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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

1.2. Services Courrier recommandé[MC] et Xpresspost[MC] de Postes Canada

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of September 14, 2021 contains applications open to public inspection from August 29, 2021 to September 4, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 14 septembre 2021 contient les demandes disponibles au public pour consultation pour la période du 29 août 2021 au 4 septembre 2021.

Canadian Patents Issued

September 14, 2021

Brevets canadiens délivrés

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[54] **ACTIVATABLE BINDING POLYPEPTIDES AND METHODS OF IDENTIFICATION AND USE THEREOF**
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[72] THOMAS, JERRY, US
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[54] **ECLAIRAGE SANS FIL ET SYSTEME DE COMMANDE DE DISPOSITIF ELECTRIQUE**
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[72] SHAK, STEVEN, US
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[54] **QUANTITES EFFICACES DE (3AR)-1,3A,8-TRIMETHYL-1,2,3,3A,8,8A-HEXAHYDROPYRROLO[2,3-B]INDOL-5-YL PHENYLCARBAMATE ET LEURS PROCEDES**
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[54] **HIGH-PURITY PRODUCTION OF MULTI-SUBUNIT PROTEINS SUCH AS ANTIBODIES IN TRANSFORMED MICROBES SUCH AS PICHIA PASTORIS**
[54] **PRODUCTION DE PROTEINES A SOUS-UNITES MULTIPLES DE PURETE ELEVEE TELLES QUE DES ANTICORPS DANS DES MICROBES TRANSFORMES TELS QUE PICHIA PASTORIS**
[72] MCNEILL, PATRICIA DIANNE, US
[72] JANSON, NICOLE, US
[72] LESNICKI, GARY L., US
[72] QI, PEI, US
[72] LATHAM, JOHN A., US
[72] GARCIA-MARTINEZ, LEON F., US
[73] H. LUNDBECK A/S., DK
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION INCLUDING SGLT-2 INHIBITOR AND USES TO TREAT RENAL HYPERFILTRATIVE INJURY**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN INHIBITEUR DU SGLT-2 (TRANSPORTEURS DE GLUCOSE COUPLES AU SODIUM) ET UTILISATIONS POUR TRAITER UNE LESION RENALE PAR HYPERFILTRATION**
[72] BROEDL, ULI, DE
[72] VON EYNATTEN, MAXIMILIAN, DE
[72] JOHANSEN, ODD-ERIK, DE
[72] KLEIN, THOMAS, DE
[72] LUIPPOLD, GERD, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[25] EN
[54] **TREATMENT OF FRATAXIN (FXN) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO FXN**
[54] **TRAITEMENT DES MALADIES ASSOCIEES A LA FRATAXINE (FXN) PAR INHIBITION DE LA TRANSCRIPTION DE L'ANTI-SENS NATUREL DE LA FXN**
[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[73] CURNA, INC., US
[85] 2013-12-05
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[51] **Int.Cl. H04N 21/433 (2011.01) H04N 21/434 (2011.01) H04N 21/462 (2011.01)**
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[54] **EXTENSIONS TO TRIGGER PARAMETERS TABLE FOR INTERACTIVE TELEVISION**
[54] **EXTENSIONS SUR UNE TABLE DE PARAMETRES DECLENCHEURS POUR LA TELEVISION INTERACTIVE**
[72] EYER, MARK, US
[73] SONY CORPORATION, JP
[85] 2013-12-10
[86] 2013-06-12 (PCT/US2013/045345)
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[25] EN
[54] **ESTERS FOR TREATMENT OF OCULAR INFLAMMATORY CONDITIONS**
[54] **ESTERS DESTINES A TRAITER DES ETATS PATHOLOGIQUES INFLAMMATOIRES DE L'OEIL**
[72] GALLOIS-BERNOS, ANNABELLE, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2013-12-20
[86] 2012-06-19 (PCT/US2012/043079)
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[54] **APPARATUS FOR GENERATING THERAPEUTIC SHOCKWAVES AND APPLICATIONS OF SAME**
[54] **APPAREIL DE PRODUCTION D'ONDES DE CHOC THERAPEUTIQUES ET LEUR APPLICATION**
[72] CAPELLI, CHRISTOPHER C., US
[73] THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **COMBUSTOR FOR GAS TURBINE ENGINE**
[54] **CHAMBRE DE COMBUSTION POUR TURBINE A GAZ**
[72] PROCIW, LEV ALEXANDER, US
[72] HU, TIN CHEUNG JOHN, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2845164)
[87] (2845164)
[22] 2014-03-06
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[54] **VOLTAGE BALANCING SYSTEM AND METHOD FOR MULTILEVEL CONVERTERS**
[54] **SYSTEME D'EQUILIBRAGE DE TENSION ET PROCEDE POUR CONVERTISSEURS MULTI-NIVEAUX**
[72] SCHROEDER, STEFAN, DE
[72] CHEN, QINGYUN, DE
[73] GE ENERGY POWER CONVERSION TECHNOLOGY LIMITED, GB
[86] (2845956)
[87] (2845956)
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[54] **ANALYTE METER DIGITAL SAMPLE DETECTION**
[54] **DETECTION D'ECHANTILLONS NUMERIQUES DE DISPOSITIF DE MESURE D'ANALYTE**
[72] ELDER, DAVID, GB
[72] YOUNG, STANLEY, GB
[72] CARNEY, CIARAN, GB
[72] GUTHRIE, BRIAN, GB
[72] MILNE, STEVEN, GB
[72] YOUNG, JOHN, GB
[73] LIFESCAN IP HOLDINGS, US
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[54] **A METHOD AND A DEVICE FOR DATA ANALYSIS IN A MULTIDIMENSIONAL CUBE DATA STRUCTURE**
[54] **PROCEDE ET DISPOSITIF POUR L'ANALYSE DE DONNEES DANS UNE STRUCTURE DE DONNEES EN CUBE MULTIDIMENSIONNEL**
[72] WOLGE, HAKAN, SE
[72] LINSEFORS, TOBIAS, SE
[73] QLIKTECH INTERNATIONAL AB, SE
[85] 2014-04-07
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[54] **SYSTEM AND METHOD WITH AUTOMATIC RADIUS CROSSING NOTIFICATION FOR GPS TRACKER**
[54] **SYSTEME ET PROCEDE AVEC AVERTISSEMENT DE CROISEMENT DE RAYON AUTOMATIQUE POUR TRACEUR GPS**
[72] KERN, JAMES, US
[72] FERRO, PHIL, US
[72] NISITA, FRANK JOSEPH, US
[72] LAUBE, RICHARD J., US
[73] ADEMCO INC., US
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[54] **POLYPEPTIDE CONSTRUCTS AND USES THEREOF**
[54] **PRODUITS DE RECOMBINAISON DE POLYPEPTIDE ET UTILISATIONS DE CEUX-CI**
[72] WILSON, DAVID S., JR, US
[72] POGUE, SARAH L., US
[72] MIKESELL, GLEN E, US
[72] TAURA, TETSUYA, US
[72] KORVER, WOUTER, US
[72] DOYLE, ANTHONY G., AU
[72] CLARKE, ADAM, AU
[72] POLLARD, MATTHEW, AU
[72] TRAN, STEPHEN, AU
[72] LIN, JACK TZU-CHIAO, US
[73] TEVA PHARMACEUTICALS AUSTRALIA PTY LTD, AU
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[25] FR
[54] **METHOD FOR PREDICTING THE QUANTITY AND COMPOSITION OF FLUIDS PRODUCED BY MINERAL REACTIONS OPERATING IN A SEDIMENTARY BASIN**
[54] **PROCEDE POUR PREDIRE LA QUANTITE ET LA COMPOSITION DES FLUIDES PRODUITS PAR DES REACTIONS MINERALES OPERANT DANS UN BASSIN SEDIMENTAIRE**
[72] BROSSE, ETIENNE, FR
[72] RUDKIEWICZ, JEAN-LUC, FR
[72] PARRA, TEDDY, FR
[72] GUICHET, XAVIER, FR
[73] TOTAL SA, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **FRAUD MANAGEMENT SYSTEM AND METHOD**
[54] **METHODE ET SYSTEME DE GESTION DE LA FRAUDE**
[72] CANIS, LAURE, FR
[72] FLORIMOND, CEDRIC, FR
[72] BISOGNI, SIMONE, FR
[72] BONNET, MARION, FR
[73] AMADEUS S.A.S., FR
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[87] (2855168)
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[25] EN
[54] **PONTOON BOAT WITH HIGH EFFICIENCY SPONSONS**
[54] **BATEAU A PONTON DOTE DE NAGEOIRES STABILISATRICES A HAUTE EFFICACITE**
[72] RAITER, LEON C., US
[72] SAHR, RONALD, US
[73] LARSON BOATS, LLC, US
[86] (2855766)
[87] (2855766)
[22] 2014-07-03
[30] US (61/932.442) 2014-01-28
[30] US (14/317.078) 2014-06-27

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[25] EN
[54] **METHOD AND SYSTEM FOR APPLYING A COMPRESSIVE PRELOAD**
[54] **METHODE ET MECANISME D'APPLICATION D'UNE PRECHARGE DE COMPRESSION**
[72] REMY, PATRICE, CA
[72] GAUDET, PIERRE, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2856681)
[87] (2856681)
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[30] US (13/940,321) 2013-07-12

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[54] **COOLER WITH VACUUM PUMP**
[54] **REFROIDISSEUR EQUIPE D'UNE POMPE A VIDE**
[72] DOMAN, MARTHINUS H., CA
[73] DOMAN, MARTHINUS H., CA
[86] (2858272)
[87] (2858272)
[22] 2014-08-01
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[25] EN
[54] **SHOWER DOOR GLASS PANE PACKAGING ASSEMBLY**
[54] **ENSEMBLE D'EMBALLAGE DE PANNEAU DE VERRE DE PORTE DE DOUCHE**
[72] LEMNIOS, CHRISTINE, US
[72] ZHANG, YINGHONG, US
[72] MATHERLY, JEANIE, US
[72] KLEIN, MATTHEW, US
[72] BOEHNEN, PATRICK, US
[72] HAWKINS, LAURA, US
[72] AUSTIN, JAMES ALLEN, III, US
[72] FORREST, EARL DAVID, US
[72] SCHULTZ, NATHANIEL FALTIN DUTTON, US
[72] TORRENCE, JUSTIN TERRELL, US
[73] LIBERTY HARDWARE MFG. CORP., US
[86] (2861454)
[87] (2861454)
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[25] EN
[54] **POLYMER ENCAPSULATED TITANIUM DIOXIDE PARTICLES**
[54] **PARTICULES DE DIOXYDE DE TITANE ENCAPSULEES DANS UN POLYMERE**
[72] AULD, KATHLEEN A., US
[72] KELLY, DAVID G., US
[72] BARDMAN, JAMES K., US
[72] RHODES, MICHAEL, US
[72] HEFFNER, MICHELE, US
[73] ROHM AND HAAS COMPANY, US
[86] (2861735)
[87] (2861735)
[22] 2014-08-29
[30] US (61/877,512) 2013-09-13

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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 47/30 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHIC MEDIA FOR STORAGE AND DELIVERY OF THERAPEUTIC BIOLOGICS AND SMALL MOLECULES**
[54] **MATERIAUX CHROMATOGRAPHIQUES POUR LE STOCKAGE ET LA DELIVRANCE D'AGENTS BIOLOGIQUES THERAPEUTIQUES ET DE PETITES MOLECULES**
[72] CHICKOSKY, JOHN A., US
[72] HONEYMAN, CHARLES H., CA
[72] MCGLAUGHLIN, MOLLY S., US
[72] RAGHEB, AMRO, CA
[73] MERCK MILLIPORE LTD., IE
[85] 2014-07-18
[86] 2013-01-18 (PCT/US2013/022057)
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[25] EN
[54] **ADJUVANT COMPOSITIONS COMPRISING A TERPENIC ALKOXYLATE AND AN AGROCHEMICAL**
[54] **COMPOSITIONS D'ADJUVANT RENFERMANT UN ALKOXYLATE TERPENIQUE ET UN PRODUIT AGROCHIMIQUE**
[72] STOCK, DAVID, GB
[72] TAYLOR, PHILIP, GB
[72] BELL, GORDON ALASTAIR, GB
[72] ASHFORD, EMMA JANE, CH
[72] RAMSAY, JULIA LYNNE, GB
[72] PERRY, RICHARD BRIAN (DECEASED), XX
[73] SYNGENTA PARTICIPATIONS AG, CH
[73] SYNGENTA LIMITED, GB
[85] 2014-07-21
[86] 2013-01-18 (PCT/EP2013/050922)
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[51] **Int.Cl. G01N 33/26 (2006.01) G01N 21/78 (2006.01) G01N 24/08 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **COLORIMETRIC DETERMINATION OF THE TOTAL OIL CONTENT OF A PLANT TISSUE SAMPLE USING ALKALINE SAPONIFICATION**
[54] **DETERMINATION COLORIMETRIQUE DE LA TENEUR TOTALE EN HUILE D'UN ECHANTILLON DE TISSU VEGETAL AU MOYEN D'UNE SAPONIFICATION ALCALINE**
[72] PATTERSON, THOMAS G., US
[72] FREEMAN, TED, US
[72] FLOOK, JOSH, US
[73] DOW AGROSCIENCES LLC, US
[85] 2014-06-27
[86] 2012-11-28 (PCT/US2012/066863)
[87] (WO2013/101381)
[30] US (61/581,552) 2011-12-29

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[51] **Int.Cl. A01H 1/00 (2006.01) A01H 1/04 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING APHID RESISTANCE IN SOYBEANS**
[54] **PROCEDES POUR L'AMELIORATION DE RESISTANCE AUX PUCERONS DU SOJA**
[72] ALT, JESSIE L., US
[72] CHAKY, JULIAN M., US
[72] RYAN-MAHMUTAGIC, MOLLY, US
[72] WOODWARD, JOHN B., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2014-06-27
[86] 2012-12-21 (PCT/US2012/071328)
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[30] US (61/581,151) 2011-12-29

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **1H-PYRROLO[2,3-B] PYRIDINE DERIVATIVES AND THEIR USE AS KINASE INHIBITORS**
[54] **DERIVES DE 1H-PYRROLO[2,3-B]PYRIDINE ET LEUR UTILISATION COMME INHIBITEURS DE KINASES**
[72] STOKES, STEPHEN, GB
[72] GRAHAM, CHRISTOPER JOHN, GB
[72] RAY, STUART CHRISTOPHER, GB
[72] STEFANIAK, EMMA JAYNE, GB
[73] VERNALIS (R&D) LIMITED, GB
[85] 2014-07-28
[86] 2013-01-30 (PCT/GB2013/050212)
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[30] GB (1201566.5) 2012-01-30

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[51] **Int.Cl. B62D 5/12 (2006.01) B60G 13/08 (2006.01) B60G 17/08 (2006.01) F16F 9/56 (2006.01)**
[25] EN
[54] **DUAL INLINE HYDRAULIC DEVICE**
[54] **DISPOSITIF HYDRAULIQUE ALIGNE DOUBLE**
[72] LAMOUREUX, MARTIN, CA
[72] ROUSSEAU, NICOLAS, CA
[72] TELLIER, PATRICK, CA
[73] ELKA SUSPENSION INC., CA
[86] (2863072)
[87] (2863072)
[22] 2014-07-09
[30] US (61/844.070) 2013-07-09

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[51] **Int.Cl. G01N 35/00 (2006.01)**
[25] EN
[54] **MEDICAL ANALYSIS METHOD**
[54] **PROCEDE D'ANALYSE MEDICALE.**
[72] BRISEBRAT, JEAN-MICHEL, FR
[72] BERNAY, SEBASTIEN, FR
[72] GAGNEPAIN, CEDRIC, FR
[72] SEYDOUX, DANIEL, FR
[73] DIAMED GMBH, CH
[73] BIO-RAD EUROPE GMBH, CH
[85] 2014-09-04
[86] 2013-03-08 (PCT/FR2013/050489)
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[11] **2,866,904**
[13] C
[51] **Int.Cl. H02K 49/10 (2006.01) A47K 3/022 (2006.01) A61H 33/00 (2006.01) F16D 7/00 (2006.01)**
[25] EN
[54] **INDUCTIVE COUPLING**
[54] **COUPLAGE INDUCTIF**
[72] TRAN, MINH SANG, CA
[72] ALEXANDER, CHRIS, CA
[73] GULFSTREAM INC., CA
[86] (2866904)
[87] (2866904)
[22] 2014-10-10
[30] US (61/889,771) 2013-10-11

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[13] C
[51] **Int.Cl. A61K 31/7048 (2006.01) A61K 31/352 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **APP SPECIFIC BACE INHIBITORS (ASBIS) AND USES THEREOF**
[54] **INHIBITEURS DE BACE SPECIFIQUES DE L'APP (ASBI) ET LEURS UTILISATIONS**
[72] JOHN, VARGHESE, US
[72] BREDESEN, DALE E., US
[73] BUCK INSTITUTE FOR RESEARCH ON AGING, US
[85] 2014-09-18
[86] 2013-03-15 (PCT/US2013/032481)
[87] (WO2013/142370)
[30] US (61/612,848) 2012-03-19
[30] US (61/728,688) 2012-11-20

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[13] C
[51] **Int.Cl. F24F 7/02 (2006.01) F16K 15/03 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **FLAPPER VALVE ADAPTOR FOR A ROOF VENT AND METHOD OF INSTALLING THE SAME**
[54] **ADAPTATEUR DE SOUPAPE A LANGUETTE POUR EVENT DE TOIT ET METHODE D'INSTALLATION DUDIT ADAPTATEUR**
[72] MANTYLA, JAMES BRIAN, CA
[72] BALDWIN, SCOTT, CA
[73] CANPLAS INDUSTRIES LTD., CA
[86] (2869492)
[87] (2869492)
[22] 2014-11-03

[11] **2,870,504**
[13] C
[51] **Int.Cl. G09B 19/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRAINING A WELDING OPERATOR**
[54] **SYSTEMES ET PROCEDES DE FORMATION D'UN SOUDEUR**
[72] PATTERSON, JON M., US
[72] ALBRECHT, BRUCE P., US
[73] ILLINOIS TOOL WORKS, INC., US
[85] 2014-10-09
[86] 2013-04-26 (PCT/US2013/038371)
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[30] US (61/639,414) 2012-04-27
[30] US (13/779,418) 2013-02-27

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[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **APPARATUS WITH HETEROGENEOUS PROCESSING MODULES**
[54] **APPAREIL POURVU DE MODULES DE TRAITEMENT HETEROGENE**
[72] BISHOP, JOHN L., US
[73] CEPHEID, US
[85] 2014-10-21
[86] 2013-04-25 (PCT/US2013/038210)
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[30] US (61/639,820) 2012-04-27

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[25] EN
[54] **IMPLANTABLE UROLOGICAL DEVICE WITH IMPROVED RETRIEVAL FEATURE**
[54] **DISPOSITIF UROLOGIQUE IMPLANTABLE POURVU D'UN ELEMENT D'EXTRACTION AMELIORE**
[72] LEE, HEEJIN, US
[72] HO DUC, HONG LINH, US
[73] TARIS BIOMEDICAL LLC, US
[85] 2014-10-20
[86] 2013-05-20 (PCT/US2013/041877)
[87] (WO2013/177068)
[30] US (61/649,253) 2012-05-19

[11] **2,871,353**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **BIPARATOPIC BINDING POLYPEPTIDES FOR CXCR2 AND USES THEREOF**
[54] **POLYPEPTIDES LIANTS BIRAPATOPIQUES DESTINES AU CXCR2 ET UTILISATIONS ASSOCIEES**
[72] BROWN, ZARIN, GB
[72] BRADLEY, MICHELLE, GB
[72] CHARLTON, STEVEN JOHN, GB
[72] VAN HEEKE, GINO ANSELMUS, GB
[72] CROMIE, KAREN, BE
[72] DOMBRECHT, BRUNO, BE
[72] STEFFENSEN, SOREN, BE
[72] BAUMEISTER, JUDITH, BE
[72] BOUCHE, MARIE-PAULE, BE
[72] BOUTTON, CARLO, BE
[72] BUYSE, MARIE-ANGE, BE
[72] SNOECK, VEERLE, BE
[72] STAELENS, STEPHANIE, BE
[73] ABLYNX N.V., BE
[85] 2014-10-23
[86] 2013-05-08 (PCT/IB2013/053711)
[87] (WO2013/168108)
[30] US (61/644,582) 2012-05-09

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[51] **Int.Cl. A61K 9/00 (2006.01) A61F 9/00 (2006.01) A61K 31/5575 (2006.01) A61L 31/04 (2006.01) A61L 31/16 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEM AND METHODS OF TREATING OPEN ANGLE GLAUCOMA AND OCULAR HYPERTENSION**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT ET PROCEDES DE TRAITEMENT D'UN GLAUCOME A ANGLE OUVERT ET DE L'HYPERTENSION OCULAIRE**
[72] UTKHEDE, DEEPANK, CA
[72] CADDEN, SUZANNE, CA
[72] HAO, YONG, CA
[73] MATI THERAPEUTICS, INC., US
[85] 2014-10-31
[86] 2013-02-27 (PCT/IB2013/000694)
[87] (WO2013/164671)
[30] US (61/642,287) 2012-05-03
[30] US (61/644,401) 2012-05-08
[30] US (61/644,397) 2012-05-08
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[30] US (61/680,641) 2012-08-07
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[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **ELECTRONIC COMPLETION OF CASH VERSUS FUTURES BASIS TRADES**
[54] **EXECUTION ELECTRONIQUE DE MISES SUR L'ECART BASEES SUR UNE COMPARAISON ENTRE L'ARGENT COMPTANT ET DES CONTRATS A TERME**
[72] GOODMAN, RICHARD P., US
[72] SWEETING, MICHAEL, US
[73] BGC PARTNERS, INC., US
[86] (2873448)
[87] (2873448)
[22] 2005-09-12
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[51] **Int.Cl. A63F 9/24 (2006.01) G06Q 50/34 (2012.01)**
[25] EN
[54] **A SYSTEM FOR AUTOMATING THE DETECTION OF PROBLEM GAMBLING BEHAVIOUR AND THE INHIBITION AND CONTROL OF GAMING MACHINE AND GAMBLING DEVICE FUNCTIONALITY**
[54] **SYSTEME VISANT A AUTOMATISER LA DETECTION D'UN COMPORTEMENT DE JEU PROBLEMATIQUE ET L'INHIBITION ET LA COMMANDE D'UNE FONCTIONNALITE D'UNE MACHINE DE JEU OU D'UN DISPOSITIF DE PAR I**
[72] CALLAWAY, TREVOR, AU
[73] T. CALLAWAY AND ASSOCIATES PTY LTD, AU
[85] 2014-11-14
[86] 2013-05-17 (PCT/AU2013/000523)
[87] (WO2013/170318)
[30] AU (2012902024) 2012-05-17

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[51] **Int.Cl. B01J 23/10 (2006.01) B01J 23/34 (2006.01) B01J 35/02 (2006.01) B01J 35/04 (2006.01) B01J 35/06 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) C07C 2/84 (2006.01) C07C 9/06 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **CATALYTIC FORMS AND FORMULATIONS**
[54] **FORMES ET FORMULATIONS CATALYTIQUES**
[72] CIZERON, JOEL M., US
[72] ZURCHER, FABIO R., US
[72] MCCORMICK, JAROD, US
[72] GAMORAS, JOEL, US
[72] VOGEL, ROGER, US
[72] VINCENT, JOEL DAVID, US
[72] NYCE, GREG, US
[72] SCHAMMEL, WAYNE P., US
[72] SCHER, ERIK C., US
[72] ROSENBERG, DANIEL, US
[72] RAS, ERIK-JAN, NL
[72] FREER, ERIK, US
[73] LUMMUS TECHNOLOGY, US
[85] 2014-11-19
[86] 2013-05-23 (PCT/US2013/042519)
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[30] US (61/651,396) 2012-05-24
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[51] **Int.Cl. E04F 13/07 (2006.01)**
[25] EN
[54] **PANEL SIDING PRODUCT**
[54] **PRODUIT DE PAREMENT EN PANNEAU**
[72] STEFFES, STEPHEN W., US
[72] SHAW, ROBERT D., US
[72] STUCKY, DAVID J., US
[72] KIRN, BRIAN W., US
[73] CERTAINTEED CORPORATION, US
[86] (2874660)
[87] (2874660)
[22] 2014-12-12
[30] US (61/917398) 2013-12-18

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[13] C
[51] **Int.Cl. A61K 39/21 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOUNDS COMPRISING HIV GP41 PEPTIDE COUPLED TO CRM197 CARRIER PROTEIN**
[54] **COMPOSES IMMUNOGENES COMPRENANT LE PEPTIDE GP41 DU VIH COUPLE A LA PROTEINE PORTEUSE CRM197**
[72] CROUZET, JOEL, FR
[72] HO TSONG FANG, RAPHAEL, FR
[72] DESFONTAINES, DOMINIQUE, FR
[73] INNAVIRVAX, FR
[85] 2014-11-28
[86] 2013-05-30 (PCT/IB2013/054482)
[87] (WO2013/179262)
[30] EP (12305602.0) 2012-05-31

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[25] EN
[54] **MICROSTRUCTURE-BASED WOUND CLOSURE DEVICES**
[54] **DISPOSITIFS DE FERMETURE DE PLAIE, BASES SUR UNE MICROSTRUCTURE**
[72] ROLANDI, MARCO, US
[72] RUVOLO, VITTORIO, IT
[72] BERENSON, RONALD J., US
[72] RUEBEL, CHASE, US
[72] JIN, JUNGHO, US
[73] UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION, US
[85] 2014-11-28
[86] 2013-06-17 (PCT/US2013/046181)
[87] (WO2013/188884)
[30] US (61/660,561) 2012-06-15
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[25] EN
[54] **TARGET DETECTION AND SIGNAL AMPLIFICATION**
[54] **DETECTION DE CIBLE ET AMPLIFICATION DE SIGNAL**
[72] BONE, SIMON MARK, AU
[72] TODD, ALISON VELYIAN, AU
[72] MEEHAN, TIMOTHY DANIEL, AU
[73] SPEEDX PTY LTD, AU
[85] 2014-12-16
[86] 2013-06-18 (PCT/AU2013/000651)
[87] (WO2013/188912)
[30] AU (2012902551) 2012-06-18
[30] AU (2012903462) 2012-08-10
[30] AU (2013202354) 2013-04-03

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[51] **Int.Cl. B01L 3/00 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **ANALYTICAL TEST STRIP WITH CAPILLARY SAMPLE-RECEIVING CHAMBERS SEPARATED BY A PHYSICAL BARRIER ISLAND**
[54] **BANDELETTE D'ESSAI ANALYTIQUE AVEC DES CHAMBRES DE RECEPTION D'ECHANTILLON CAPILLAIRE SEPAREES PAR UNE ILE BARRIERE PHYSIQUE**
[72] WHYTE, LYNSEY, GB
[72] SLOSS, SCOTT, GB
[72] MCCOLL, DAVID, GB
[72] WHITEHEAD, NEIL, GB
[72] SMITH, ANTONY, GB
[73] LIFESCAN IP HOLDINGS, LLC, US
[85] 2014-12-16
[86] 2013-06-13 (PCT/GB2013/051552)
[87] (WO2013/190270)
[30] US (13/529,901) 2012-06-21

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[51] **Int.Cl. G01J 3/06 (2006.01) G01J 3/12 (2006.01) G01J 3/443 (2006.01) G02B 21/36 (2006.01)**
[25] EN
[54] **PATHOLOGY SLIDE SCANNERS FOR FLUORESCENCE AND BRIGHTFIELD IMAGING AND METHOD OF OPERATION**
[54] **DISPOSITIFS DE BALAYAGE DE LAMES D'ANATOMOPATHOLOGIE POUR IMAGERIE PAR FLUORESCENCE ET EN FOND CLAIR ET PROCEDE DE FONCTIONNEMENT**
[72] DIXON, ARTHUR EDWARD, CA
[73] HURON TECHNOLOGIES INTERNATIONAL INC., CA
[85] 2014-12-24
[86] 2013-06-25 (PCT/CA2013/000592)
[87] (WO2014/000085)
[30] US (61/664,022) 2012-06-25
[30] US (13/730,488) 2012-12-28

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[25] EN
[54] **CONJUGATES OF CELL BINDING MOLECULES WITH CYTOTOXIC AGENTS**
[54] **CONJUGUES DE MOLECULE DE LIAISON CELLULAIRE ET D'AGENTS CYTOTOXIQUES**
[72] ZHANG, YUE, CN
[72] MA, YOURANG, CN
[72] ZHAO, ROBERT YONGXIN, CN
[73] HANGZHOU DAC BIOTECH CO., LTD, CN
[85] 2015-01-09
[86] 2012-07-12 (PCT/IB2012/053554)
[87] (WO2014/009774)

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[13] C
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **PROCESSES AND COMPOSITIONS FOR METHYLATION-BASED ENRICHMENT OF FETAL NUCLEIC ACID FROM A MATERNAL SAMPLE USEFUL FOR NON-INVASIVE PRENATAL DIAGNOSES**
[54] **PROCEDES ET COMPOSITIONS POUR L'ENRICHISSEMENT BASE SUR LA METHYLATION D'UN ECHANTILLON MATERNEL EN ACIDE NUCLEIQUE F□TAL, UTILES POUR LES DIAGNOSTICS PRENATALS NON INVASIFS**
[72] TYNAN, JOHN ALLEN, US
[72] HOGG, GRANT, US
[72] TANG, MENGJIA, US
[73] SEQUENOM, INC., US
[85] 2015-01-12
[86] 2013-07-11 (PCT/US2013/050145)
[87] (WO2014/011928)
[30] US (61/671,628) 2012-07-13
[30] US (61/721,929) 2012-11-02

[11] **2,878,996**
[13] C
[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR TRACKING GAMING ACTIVITY**
[54] **PROCEDE ET SYSTEME DE SUIVI D'ACTIVITE DE JEU**
[72] CZUBAK, ROMAN, AT
[73] NOVOMATIC AG, AT
[85] 2015-01-13
[86] 2013-08-05 (PCT/EP2013/066403)
[87] (WO2014/023696)
[30] EP (12179616.3) 2012-08-08
[30] US (13/590,638) 2012-08-21

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[13] C
[51] **Int.Cl. C08J 9/14 (2006.01) B29C 44/50 (2006.01) C08J 9/228 (2006.01) C08K 5/02 (2006.01) C08L 25/06 (2006.01)**
[25] EN
[54] **BLOWING AGENTS FOR EXTRUDED POLYSTYRENE FOAM AND EXTRUDED POLYSTYRENE FOAM AND METHODS OF FOAMING**
[54] **AGENTS GONFLANTS DESTINES A UNE MOUSSE DE POLYSTYRENE EXTRUDEE ET MOUSSE DE POLYSTYRENE EXTRUDEE ET PROCEDES DE MOUSSAGE**
[72] BOWMAN, JAMES M., US
[72] WILLIAMS, DAVID J., US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2015-01-15
[86] 2013-07-19 (PCT/US2013/051391)
[87] (WO2014/015315)
[30] US (61/673,603) 2012-07-19
[30] US (61/699,556) 2012-09-11
[30] US (61/801,980) 2013-03-15

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[13] C
[51] **Int.Cl. G06F 40/30 (2020.01) G06F 16/95 (2019.01) G06F 40/279 (2020.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR INFERRING USER INTENT IN SEARCH INPUT IN A CONVERSATIONAL INTERACTION SYSTEM**
[54] **PROCEDE ET SYSTEME POUR DEDUIRE UNE INTENTION D'UN UTILISATEUR SUR LA BASE D'UNE RECHERCHE ENTREE DANS UN SYSTEME DE CONVERSATION INTERACTIF**
[72] BARVE, RAKESH, IN
[72] ARAVAMUDAN, MURALI, US
[72] VENKATARAMAN, SASHIKUMAR, US
[72] WELLING, GIRISH, US
[73] VEVEO, INC., US
[85] 2015-01-20
[86] 2013-07-19 (PCT/US2013/051288)
[87] (WO2014/015267)
[30] US (61/673,867) 2012-07-20
[30] US (61/712,721) 2012-10-11
[30] US (13/667,400) 2012-11-02
[30] US (13/667,388) 2012-11-02
[30] US (13/874,523) 2013-05-01

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[13] C
[51] **Int.Cl. A61K 31/4196 (2006.01) A61K 31/138 (2006.01) A61K 31/437 (2006.01) A61K 31/4453 (2006.01) A61K 31/451 (2006.01) A61K 31/5685 (2006.01) A61K 31/585 (2006.01) A61P 5/26 (2006.01) A61P 15/08 (2006.01)**
[25] EN
[54] **USE OF AROMATASE INHIBITOR OR ESTROGEN BLOCKER FOR INCREASING SPERMATOGENESIS OR TESTOSTERONE LEVELS IN MALES**
[54] **UTILISATION D'UN INHIBITEUR DE L'AROMATASE OU D'UN ANTI-OESTROGENE POUR ACCROITRE LA SPERMATOGENESE OU LES NIVEAUX DE TESTOSTERONE CHEZ DES SUJETS MALES**
[72] ADAMS, KENNETH W., CA
[73] DR. KENNETH ADAMS MEDICINE PROFESSIONAL CORPORATION, CA
[85] 2015-02-09
[86] 2012-08-09 (PCT/CA2012/000746)
[87] (WO2013/020215)
[30] US (61/521,667) 2011-08-09

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING THE COMPATIBILITY OF WATER SOLUBLE HERBICIDE SALTS**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA COMPATIBILITE DE SELS HERBICIDES HYDROSOLUBLES**
[72] ALEXANDER, MARK, US
[72] AUSTIN, ANNE, US
[72] KENNEDY, ALEX, US
[72] LIU, LEI, US
[72] RODRIGUES, KLIN A., US
[72] TANK, HOLGER, US
[73] DOW AGROSCIENCES LLC, US
[73] AKZO NOBEL SURFACE CHEMISTRY LLC, US
[85] 2015-03-02
[86] 2013-08-30 (PCT/US2013/057490)
[87] (WO2014/039379)
[30] US (61/696,351) 2012-09-04
[30] US (61/739,364) 2012-12-19

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[13] C
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 9/00 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **FORMULATIONS PHARMACOKINETICS OF DEUTERATED BENZOQUINOLINE INHIBITORS OF VESICULAR MONOAMINE TRANSPORTER 2**
[54] **PHARMACOCINETIQUES DE FORMULATIONS D'INHIBITEURS DE BENZOQUINOLINE DEUTERE DU TRANSPORTEUR 2 DE MONOAMINE VESICULAIRE**
[72] SOMMER, ANDREAS, US
[72] ZHANG, CHENGZHI, US
[72] CARTER, JOHN, US
[72] ARTHUR, JOHN, US
[72] BRADBURY, MARGARET, US
[72] GANT, THOMAS, US
[72] SHAHBAZ, MANOUCHEHR, US
[73] AUSPEX PHARMACEUTICALS, INC., US
[85] 2015-03-02
[86] 2013-09-18 (PCT/US2013/060387)
[87] (WO2014/047167)
[30] US (61/702,586) 2012-09-18

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[13] C
[51] **Int.Cl. B64F 5/40 (2017.01) B64C 25/58 (2006.01) F16F 9/43 (2006.01)**
[25] EN
[54] **METHOD OF INITIALIZING A LANDING GEAR STRUT**
[54] **METHODE D'INITIALISATION D'UNE JAMBE AMORTISSEUR DE TRAIN D'ATTERRISAGE**
[72] FAZELI, AMIR M., CA
[72] CEPIC, ADNAN, CA
[72] REBER, SUSANNE M., US
[73] GOODRICH CORPORATION, US
[86] (2884814)
[87] (2884814)
[22] 2015-03-11
[30] US (61/968,449) 2014-03-21
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[25] EN
[54] **METHOD FOR OBTAINING 1-KESTOSE**
[54] **PROCEDE D'OBTENTION DE 1-KESTOSE**
[72] PEREZ CRUZ, ENRIQUE ROSENDO, CU
[72] HERNANDEZ GARCIA, LAZARO, CU
[72] MARTINEZ GARCIA, DUNIESKY, CU
[72] TRUJILLO TOLEDO, LUIS ENRIQUE, CU
[72] MENENDEZ RODRIGUEZ, CARMEN, CU
[72] SOBRINO LEGON, ALINA, CU
[72] RAMIREZ IBANEZ, RICARDO, CU
[72] FEIJOO COSTA, GUMERSINDO, ES
[72] LEMA RODICIO, JUAN MANUEL, ES
[73] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
[85] 2015-03-16
[86] 2013-09-18 (PCT/CU2013/000005)
[87] (WO2014/044230)
[30] CU (2012-0138) 2012-09-18

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[13] C
[51] **Int.Cl. C25B 9/65 (2021.01) H01M 8/0247 (2016.01)**
[25] FR
[54] **COMPONENT CONSTITUTING AN HTE ELECTROLYSER INTERCONNECTOR OR SOFC FUEL CELL INTERCONNECTOR AND ASSOCIATED PRODUCTION PROCESSES**
[54] **COMPOSANT CONSTITUANT UN INTERCONNECTEUR D'ELECTROLYSEUR EHT OU DE PILE A COMBUSTIBLE SOFC ET PROCEDES DE REALISATION ASSOCIES**
[72] LAUCOURNET, RICHARD, FR
[72] DALMASSO, MYRIAM, FR
[72] RADO, CYRIL, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2015-03-16
[86] 2013-09-24 (PCT/IB2013/058814)
[87] (WO2014/049523)
[30] FR (12 59040) 2012-09-26

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[13] C
[51] **Int.Cl. D21F 7/00 (2006.01)**
[25] EN
[54] **ADAPTIVE SHEETMAKING MACHINE CONTROL SYSTEM**
[54] **SYSTEME ADAPTATIF DE COMMANDE DE MACHINE DE FABRICATION DE FEUILLE**
[72] BACKSTROM, JOHAN, US
[72] FORBES, MICHAEL, CA
[73] HONEYWELL ASCA INC., CA
[85] 2015-04-08
[86] 2013-09-30 (PCT/CA2013/000837)
[87] (WO2014/059515)
[30] US (13/655,193) 2012-10-18

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[13] C
[51] **Int.Cl. B01J 23/72 (2006.01) B01J 23/02 (2006.01) B01J 29/06 (2006.01)**
[25] EN
[54] **8-RING SMALL PORE MOLECULAR SIEVE WITH PROMOTER TO IMPROVE LOW TEMPERATURE PERFORMANCE**
[54] **TAMIS MOLECULAIRE A PORES FINS DE TYPE 8 ANNEAUX AVEC PROMOTEUR POUR AMELIORER LA PERFORMANCE A BASSE TEMPERATURE**
[72] MONAHAN, JAYA L., US
[72] BURK, PATRICK, US
[72] NAGATA, MAKATO, JP
[72] BANNO, YASUYUKI, JP
[72] KIM, EUNSEOK, KR
[73] BASF CORPORATION, US
[85] 2015-04-16
[86] 2013-10-17 (PCT/US2013/065501)
[87] (WO2014/062952)
[30] US (61/716,067) 2012-10-19
[30] US (14/056,431) 2013-10-17

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[13] C
[51] **Int.Cl. C07D 401/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **NOVEL PROCESS FOR MAKING COMPOUNDS FOR USE IN THE TREATMENT OF CANCER**
[54] **NOUVEAU PROCEDE POUR LA PRODUCTION DE COMPOSES A UTILISER DANS LE TRAITEMENT DU CANCER**
[72] NAGANATHAN, SRIRAM, US
[72] GUZ, NATHAN, US
[72] PFEIFFER, MATTHEW, US
[72] SOWELL, C. GREGORY, US
[72] BOSTICK, TRACY, CA
[72] YANG, JASON, US
[72] SRIVASTAVA, AMIT, US
[73] EXELIXIS, INC., US
[73] GENENTECH, INC., US
[85] 2015-04-02
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[72] BIAN, NANYING, US
[72] SCHEID, DANIEL, DE
[73] MERCK PATENT GMBH, DE
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[73] MUNKSJO ARCHES, FR
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[54] **INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM**
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[73] SONY CORPORATION, JP
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[72] BARTH, STEFAN, DE
[72] SCHIFFER, SONJA, DE
[73] UNIVERSITY OF CAPE TOWN, ZA
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[54] **CASSETTE D'EXPRESSION OPTIMISEE POUR L'EXPRESSION D'UN POLYPEPTIDE PRESENTANT UN HAUT RENDEMENT**
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[72] SCHMITZ, RITA, FR
[72] WILMS, BURKHARD, CH
[72] GEISSE, SABINE, CH
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[73] LUMIPHORE, INC., US
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[54] **SYSTEME DE REMPLACEMENT DE SCENE PHOTOGRAPHIQUE**
[72] BENSON, KEITH A., US
[73] LIFETOUCH INC., US
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[54] **COMPOSES AYANT UNE ACTIVITE ANTAGONISTE DU RECEPTEUR MUSCARINIQUE ET AGONISTE DU RECEPTEUR BETA2 ADRENERGIQUE**
[72] RANCATI, FABIO, IT
[72] LINNEY, IAN, IT
[72] KNIGHT, CHRIS, IT
[72] SCHMIDT, WOLFGANG, IT
[73] CHIESI FARMACEUTICI S.P.A., IT
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[54] **DETECTEUR DE PRODUITS CHIMIQUES CONTENUS DANS LE SOL**
[72] MILLER, TONY, GB
[72] LE BESNERAIS, PIERRE-HENRI, GB
[72] MALAURIE, HUGO, GB
[73] PLANT BIOSCIENCE LIMITED, GB
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[54] **SYSTEME DE GENERATION D'AEROSOL AVEC CHAUFFAGE DIFFERENTIEL**
[72] GREIM, OLIVIER, CH
[72] PLOJOUX, JULIEN, CH
[72] ZINOVIK, IHAR, CH
[72] JOCHNOWITZ, EVAN, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **DERIVES DE BETRIXABAN ET LEUR UTILISATION EN TANT QUE SUPPORT EN PHASE SOLIDE PAR AFFINITE POUR LA PURIFICATION DE SERINES PROTEASES**
[72] PANDEY, ANJALI, US
[72] ROSE, JACK W., US
[73] PORTOLA PHARMACEUTICALS, INC., US
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[54] **COUCHE BARRIERE POUR PROTECTION CONTRE LA CORROSION DANS DISPOSITIFS ELECTROCHIMIQUES**
[72] GHIELMI, ALESSANDRO, DE
[72] SUCHSLAND, JENS-PETER, DE
[72] BRAUN, PIA, DE
[73] GREENERITY GMBH, DE
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[72] KAYO, MARGARET W., US
[72] FORNICOLA, RICHARD S., US
[72] KOVACIK, IVAN, US
[73] BIOSENSORS INTERNATIONAL GROUP, LTD., BM
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[72] EHRESMANN, MANFRED, DE
[72] KORADIN, CHRISTOPHER, DE
[72] PLETSCH, ANDREAS, DE
[72] BONNEKESSEL, MELANIE, DE
[72] KAEDING, THOMAS, DE
[72] SCHEIN-ALBRECHT, KARIN, DE
[72] DEMMING, STEFANIE, DE
[72] WEBER, FRANZ, DE
[72] SIEGEL, WOLFGANG, DE
[72] SCHRODER, HARTWIG, DE
[72] FREYER, STEPHAN, DE
[72] ODMAN, PETER, DE
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[72] NARINE, SURESH, CA
[72] BOUZIDI, LAZIZ, CA
[72] DARLING, BRUCE, CA
[72] BAKER, MARK, CA
[72] LI, SHAOJUN, CA
[72] MAHDEVARI, ALI, CA
[73] TRENT UNIVERSITY, CA
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[72] GHILARDI, MARIA PIA, IT
[73] NAKANISHI INC., JP
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[72] HOLLIS, DARRELL, US
[72] KLAUSMEYER, RODNEY L., US
[72] KRAMER, KEITH S., US
[72] GARMON, MICHAEL ANDREW, US
[73] OCCIDENTAL CHEMICAL CORPORATION, US
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[54] **PROCEDES ET COMPOSITIONS POUR LA CONCENTRATION DE PROTEINES**
[72] ETZEL, MARK R., US
[72] ARUNKUMAR, ABHIRAM, IN
[72] AGARWAL, SHANTANU, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[73] DAIRY MANAGEMENT INC., US
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[54] **ALLIAGES HAUTE RESISTANCE, FACILES A ELABORER, A BASE DE NI-CR-CO-MO-AL RESISTANT A L'OXYDATION**
[72] SRIVASTAVA, S. KRISHNA, US
[72] PIKE, LEE, US
[73] HAYNES INTERNATIONAL, INC., US
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[54] **INTERFACE ENTRE UN CONDUIT D'AGENT D'EXTINCTION DE FEU ET UN COMPARTIMENT DE CHARGEMENT D'UN AERONEF**
[72] EL HADDAD, ANTHONY, CA
[72] DESY, PHILIPPE, CA
[72] GAUDREAU, JEAN-GUY, CA
[73] AIRBUS CANADA LIMITED PARTNERSHIP, CA
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[54] **SYSTEM ARCHITECTURE FOR ACCOUNT-TARGETED MOBILE LOCKSCREEN OFFER GENERATION AND PRESENTATION**
[54] **ARCHITECTURE DE SYSTEME POUR LA PRODUCTION ET LA PRESENTATION D'UNE OFFRE D'ECRAN DE VERROUILLAGE MOBILE ASSOCIE A UN COMPTE**
[72] MEADS, CHRISTOPHER ROBERT JEFFREY, GB
[72] DEWHURST, CHARLES WILLIAM DAVID, GB
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
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[72] BORGSTROM, PER, US
[73] PELLFICURE PHARMACEUTICALS, INC., US
[85] 2015-08-24
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[54] **COMPOUNDS AND USES THEREOF FOR THE MODULATION OF HEMOGLOBIN**
[54] **COMPOSES ET LEURS UTILISATIONS POUR LA MODULATION DE L'HEMOGLOBINE**
[72] LI, ZHE, US
[72] XU, QING, US
[72] METCALF, BRIAN W., US
[72] GWALTNEY, STEPHEN L., II, US
[72] HARRIS, JASON R., US
[72] YEE, CALVIN W., US
[73] GLOBAL BLOOD THERAPEUTICS, INC., US
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[54] **ONAPRISTONE POLYMORPHIC FORMS AND METHODS OF USE**
[54] **FORMES POLYMORPHES DE L'ONAPRISTONE ET LEURS PROCEDES D'UTILISATION**
[72] PRONIUK, STEFAN, US
[73] CONTEXT BIOPHARMA INC., US
[85] 2015-09-03
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[54] **COMPOSITIONS ET PROCEDES POUR DES ACIDES NUCLEIQUES A CIBLAGE D'ACIDE NUCLEIQUE**
[72] MAY, ANDREW PAUL, US
[72] HAURWITZ, RACHEL E., US
[72] DOUDNA, JENNIFER A., US
[72] BERGER, JAMES M., US
[72] CARTER, MATTHEW MERRILL, US
[72] DONOHOUE, PAUL, US
[73] CARIBOU BIOSCIENCES, INC., US
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[30] US (61/845,714) 2013-07-12
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[30] US (61/865,743) 2013-08-14
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[30] US (61/900,311) 2013-11-05
[30] US (61/902,723) 2013-11-11
[30] US (61/903,232) 2013-11-12
[30] US (61/906,211) 2013-11-19
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[54] **VERIFICATION DE TRANSACTIONS EN LIGNE**
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[72] HOLSTROM, MICHAEL, CA
[72] LOCKHART, ROLAND THOMAS, CA
[72] MCCULLIGH, MURRAY, CA
[72] MISTER, SERGE JEAN MAURICE, CA
[72] WETMORE, GREG, CA
[73] ENTRUST, INC., US
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[54] **SOURCE BALAYE GRANDEMENT REGLABLE**
[72] JAYARAMAN, VIJAYSEKHAR, US
[72] BURGNER, CHRISTOPHER, US
[72] JOHN, DEMIS, US
[72] HEIM, PETER, US
[72] CABLE, ALEX EZRA, US
[73] PRAEVIUM RESEARCH, INC., US
[73] THORLABS, INC., US
[85] 2015-09-10
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[30] US (61/793,730) 2013-03-15

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[25] EN
[54] **MICRORNA-BASED APPROACH TO TREATING MALIGNANT PLEURAL MESOTHELIOMA**
[54] **APPROCHE A BASE DE MICROARN POUR TRAITER UN MESOTHELIOME PLEURAL MALIN**
[72] REID, GLEN, AU
[72] VAN ZANDWIJK, NICO, AU
[73] ASBESTOS DISEASES RESEARCH FOUNDATION, AU
[85] 2015-09-11
[86] 2014-03-12 (PCT/IB2014/000723)
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[25] EN
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[54] **LIGANDS ALKYL-ACIDES POUR NANOCRISTAUX**
[72] FREEMAN, WILLIAM P., US
[72] FURUTA, PAUL T., US
[72] DUBROW, ROBERT S., US
[73] NANOSYS, INC., US
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[54] **S-ENANTIOMERICALLY ENRICHED COMPOSITIONS OF BETA BLOCKERS FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS**
[54] **COMPOSITIONS DE BETAS BLOQUANTS ENRICHIES DU POINT DE VUE DES ENANTIOMERES-S POUR LE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE**
[72] COATS, ANDREW J.S, AU
[72] ANKER, STEFAN, DE
[72] SPRINGER, JOCHEN, DE
[73] COATS, ANDREW J.S., AU
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[25] EN
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[54] **ATTENUATEUR DE DEFAUT PORTABLE POUR DES FENETRES ELECTROCHIMIQUES**
[72] ROZBICKI, ROBERT T., US
[72] BAXTER, BRUCE, US
[72] FRANK, TREVOR, US
[73] VIEW, INC., US
[85] 2015-10-05
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[25] EN
[54] **METHOD FOR DETERMINING PROGNOSIS OF CANCER**
[54] **PROCEDE DE DETERMINATION D'UN PRONOSTIC DE CANCER**
[72] TAKETO, MAKOTO, JP
[72] SONOSHITA, MASAHIRO, JP
[72] SAKAI, YOSHIHARU, JP
[72] KAWADA, KENJI, JP
[72] ITATANI, YOSHIRO, JP
[73] KYOTO UNIVERSITY, JP
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[54] **BEARING MEANS BRAKE DEVICE**
[54] **DISPOSITIF DE FREINAGE DE MOYEN DE SUPPORT**
[72] PUNTENER, URS, CH
[72] KOCH, MARCEL, CH
[72] WEBER, STEFAN, CH
[73] INVENTIO AG, CH
[85] 2015-11-18
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[54] **DISTRIBUTION PLATE FOR GAS/LIQUID CONTACT COLUME WITH SECONDARY DISTRIBUTION SYSTEM**
[54] **PLATEAU DISTRIBUTEUR POUR COLONNE DE CONTACT GAZ/LIQUIDE AVEC SYSTEME DE DISTRIBUTION SECONDAIRE**
[72] HAROUN, YACINE, FR
[72] ROYON-LEBEAUD, AUDE, FR
[72] PLAIS, CECILE, FR
[73] IFP ENERGIES NOUVELLES, FR
[85] 2015-11-17
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[54] **TREATMENT PROCESS FOR EXTRACTION OF PRECIOUS, BASE AND RARE ELEMENTS**
[54] **PROCEDE DE TRAITEMENT DESTINE A L'EXTRACTION DE MATIERES PRECIEUSES, DE MATIERE DE BASE ET D'ELEMENTS DE TERRES RARES**
[72] LIDDELL, KEITH STUART, GB
[72] SMITH, LISA ANNE, AU
[72] ADAMS, MICHAEL DAVID, TH
[73] LIFEZONE LIMITED, MU
[86] (2912940)
[87] (2912940)
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[54] **GRANULATED SEEDS**
[54] **SEMENCES ENROBEES**
[72] SCHEFFLER, JOCHEN, DE
[72] LORTZ, BEATA MARIA, DE
[72] RIEGER, THOMAS, DE
[72] ALPMANN, LUDGER, DE
[72] FEUERSTEIN, ULF, DE
[72] DAU, JORN, DE
[73] EVONIK OPERATIONS GMBH, DE
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[54] **DEVICE AND METHOD FOR SYNTHESIS OF A POLYMER UNDER SEPARATION OF A GASEOUS SUBSTANCE**
[54] **DISPOSITIF ET PROCEDE DE SYNTHESE D'UN POLYMERE AVEC SEPARATION D'UNE SUBSTANCE GAZEUSE**
[72] ZHU, NING, DE
[72] STAMMER, ACHIM, DE
[72] CLAUSS, JOACHIM, DE
[72] KORY, GAD, DE
[73] BASF SE, DE
[85] 2015-11-25
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[25] FR
[54] **PROCESS FOR DECARBONATION OF A HYDROCARBON-BASED GAS**
[54] **PROCEDE DE DECARBONATATION D'UN GAZ HYDROCARBONE**
[72] GONNARD, SEBASTIEN, FR
[72] LALOUE, NICOLAS, FR
[72] LEROY, AGNES, FR
[72] PERDU, GAUTHIER, FR
[73] IFP ENERGIES NOUVELLES, FR
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[25] EN
[54] **AMINO-TRIAZINE DERIVATIVES AND PHARMACEUTICAL COMPOSITION CONTAINING SAID DERIVATIVE**
[54] **DERIVES AMINO-TRIAZINE ET COMPOSITION PHARMACEUTIQUE CONTENANT LESDITS DERIVES**
[72] KAI, HIROYUKI, JP
[73] SHIONOGI & CO., LTD., JP
[85] 2015-12-11
[86] 2014-06-13 (PCT/JP2014/065678)
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[54] **INDUSTRIAL FURNACE AND PROCESS FOR CONTROLLING THE COMBUSTION INSIDE IT**
[54] **FOUR INDUSTRIEL ET PROCEDE POUR CONTROLER LA COMBUSTION A L'INTERIEUR DUDIT FOUR**
[72] DELLA ROCCA, ALESSANDRO, IT
[72] FANTUZZI, MASSIMILIANO, IT
[73] TENOVA S.P.A., IT
[85] 2015-12-16
[86] 2014-06-27 (PCT/IB2014/062654)
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[25] EN
[54] **ROOFING MATERIAL WITH LOCALLY APPLIED FIRE RESISTANT MATERIAL**
[54] **MATERIAU DE COUVERTURE AVEC MATERIAU RESISTANT AU FEU APPLIQUE LOCALEMENT**
[72] HARRINGTON, EDWARD RICHARD, JR., US
[72] VERHOFF, JONATHAN M., US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[86] (2916395)
[87] (2916395)
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[25] EN
[54] **BICYCLIC COMPOUNDS USEFUL FOR TREATING DISEASES CAUSED BY RETROVIRUSES**
[54] **COMPOSES BICYCLIQUES UTILES POUR LE TRAITEMENT DE MALADIES CAUSEES PAR DES RETROVIRUS**
[72] TAZI, JAMAL, FR
[72] MAHUTEAU-BETZER, FLORENCE, FR
[72] NAJMAN, ROMAIN, FR
[72] SCHERRER, DIDIER, FR
[72] CAMPOS, NOELIE, FR
[72] GARCEL, AUDE, FR
[73] ABIVAX, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] INSTITUT CURIE, FR
[73] UNIVERSITE DE MONTPELLIER, FR
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[54] **SYSTEM AND METHOD FOR REMOVING SULFATES FROM WATER**
[54] **SYSTEMES ET METHODES D'EXTRACTION DE SULFATES DE L'EAU**
[72] RANDAL, CHAD ALLEN, CA
[73] AUREUS ENERGY SERVICES INC., CA
[86] (2916669)
[87] (2916669)
[22] 2016-01-05
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[25] EN
[54] **GENDER, VIABILITY AND/OR DEVELOPMENTAL STAGE DETERMINATION OF AVIAN EMBRYOS IN OVO**
[54] **DETERMINATION DU GENRE, DE LA VIABILITE ET/OU DU STADE DE DEVELOPPEMENT D'EMBRYONS AVIAIRES IN OVO**
[72] BRUINS, WOUTER SEBASTIAAN, NL
[72] STUTTERHEIM, WIL MARIJN, NL
[73] IN OVO HOLDING B.V., NL
[85] 2016-01-05
[86] 2013-07-30 (PCT/NL2013/050569)
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[25] EN
[54] **UV ABSORBING 1,2,3,4-TETRAHYDROPYRIDINE COMPOUNDS, COMPOSITIONS COMPRISING SAME AND USES THEREOF**
[54] **COMPOSES DE 1,2,3,4-TETRAHYDROPYRIDINE ABSORBANT LES UV, COMPOSITIONS LES COMPRENANT ET LEURS UTILISATIONS**
[72] YORK, MARK, AU
[72] RYAN, JOHN, AU
[72] SAVAGE, GREGORY PAUL, AU
[72] MEYER, ADAM GERHARD, AU
[72] JARVIS, KAREN, AU
[73] CORAL SUNSCREEN PTY LTD, AU
[85] 2016-01-12
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[25] EN
[54] **PIPERIDINE AND AZEPINE DERIVATIVES AS PROKINETICIN RECEPTOR MODULATORS**
[54] **DERIVES PIPERIDINE ET AZEPINE SERVANT DE MODULATEURS DU RECEPTEUR DE LA PROKINETICINE**
[72] BOUSBA, SARAH, GB
[72] GOLDBY, ANNE, GB
[72] JENKINS, KERRY, GB
[72] KINSELLA, NATASHA, UG
[72] TEALL, MARTIN, GB
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2016-01-25
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[25] EN
[54] **METHOD FOR CATALYTIC OXIDATION OF CELLULOSE AND METHOD FOR MAKING A CELLULOSE PRODUCT**
[54] **PROCEDES D'OXYDATION CATALYTIQUE DE CELLULOSE ET DE FABRICATION D'UN PRODUIT DE CELLULOSE**
[72] PAAKKONEN, TIMO, FI
[72] VUORINEN, TAPANI, FI
[72] NUOPPONEN, MARKUS, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2016-01-26
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[25] EN
[54] **HANDLE ASSEMBLY FOR IMPLANT DELIVERY APPARATUS**
[54] **POIGNEE POUR APPAREIL DE POSE D'IMPLANTS**
[72] LIM, HOU-SEN, SG
[72] GOTZ, WOLFGANG, DE
[73] VENUS MEDTECH (HANGZHOU), INC., CN
[85] 2016-01-29
[86] 2014-07-31 (PCT/EP2014/066478)
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[30] EP (13178717.8) 2013-07-31

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[54] **HANDLE ASSEMBLY FOR IMPLANT DELIVERY APPARATUS**
[54] **POIGNEE POUR APPAREIL DE POSE D'IMPLANTS**
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[72] GOTZ, WOLFGANG, DE
[73] VENUS MEDTECH (HANGZHOU), INC., CN
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[51] **Int.Cl. A61K 9/28 (2006.01) A61K 31/40 (2006.01)**
[25] EN
[54] **COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT**
[72] JOSHI, SHRADDHA SANJEEV, IN
[72] JAIN, VINAY, IN
[72] GUHA, ASHISH SHARADCHANDRA, IN
[73] EVONIK OPERATIONS GMBH, DE
[85] 2016-02-11
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[51] **Int.Cl. B65D 51/00 (2006.01)**
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[54] **CAP FOR A CONTAINER**
[54] **CAPUCHON POUR UN RECIPIENT**
[72] FRIEDRICH, STEFAN, CH
[72] WEIRICH, WIGAND, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2016-02-17
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[25] EN
[54] **HERBICIDAL COMPOSITIONS COMPRISING SULFENTRAZONE PLUS PROPYZAMIDE AND SULFENTRAZONE PLUS PROPYZAMIDE PLUS ETHALFLURALIN**
[54] **COMPOSITIONS HERBICIDES COMPORTANT DE LA SULFENTRAZONE ET DU PROPYZAMIDE ET DE LA SULFENTRAZONE ET DU PROPYZAMIDE ET DE L'ETHALFLURALINE**
[72] DEGENHARDT, RORY, CA
[72] JURAS, LEN, CA
[72] MANN, RICHARD K., US
[73] DOW AGROSCIENCES LLC, US
[85] 2016-02-22
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[25] EN
[54] **INTEGRATED PIERCEABLE SEAL FLUID PATHWAY CONNECTION AND DRUG CONTAINERS FOR DRUG DELIVERY PUMPS**
[54] **RACCORDEMENT DE VOIE DE FLUIDE A JOINT PERFORABLE INTEGRE ET RECIPIENTS DE MEDICAMENT POUR POMPES D'ADMINISTRATION DE MEDICAMENT**
[72] CLEMENTE, MATTHEW J., US
[72] HANSON, IAN B., US
[72] BENTE, PAUL F., US
[73] UNITRACT SYRINGE PTY LTD, AU
[85] 2016-02-22
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[25] EN
[54] **METHOD AND APPARATUS FOR INCREASING THE DIGITAL INPUT AND OUTPUT RANGE ON A DOOR OPERATOR**
[54] **PROCEDE ET APPAREIL POUR AUGMENTER LA PLAGE D'ENTREE ET DE SORTIE NUMERIQUE SUR UN OPERATEUR DE PORTE**
[72] ZASOWSKI, PETER, US
[72] LAWHON, DUSTIN, US
[73] YALE SECURITY, INC., US
[85] 2016-03-04
[86] 2014-09-09 (PCT/US2014/054732)
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[54] **CIBLAGE SPECIFIQUE DE CELLULES PAR L'INTERMEDIAIRE D'UN SYSTEME DE SUPPORT NANOSTRUCTURE**
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[72] GOTTSCHALDT, MICHAEL, DE
[72] TRAGER, ANJA, DE
[72] PIETSCH, CHRISTIAN, DE
[72] GONNERT, FALK, DE
[72] RECKNAGEL, PETER, DE
[72] PRESS, ADRIAN, DE
[73] SMARTDYELIVERY GMBH, DE
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[54] **TURBOMACHINE DESIGNED TO OPERATE IN TURNING GEAR MODE**
[54] **TURBOMACHINE ADAPTEE A FONCTIONNER EN MODE VIREUR**
[72] THIRIET, ROMAIN, FR
[72] POUMAREDE, VINCENT, FR
[72] SERGHINE, CAMEL, FR
[73] TURBOMECA, FR
[85] 2016-03-11
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[25] FR
[54] **MECHANICAL SYSTEM COMPRISING A CONNECTING DEVICE BETWEEN A WEARING PART AND THE SUPPORT THEREOF, AND BUCKET OF A HEAVY-CONSTRUCTION MACHINE**
[54] **SYSTEME MECANIQUE COMPRENANT UN DISPOSITIF DE LIAISON ENTRE UNE PIECE D'USURE ET SON SUPPORT, ET GODET D'ENGIN DE TRAVAUX PUBLICS**
[72] MARCHAND, FABRICE, FR
[73] SAFE METAL, FR
[85] 2016-03-11
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[25] EN
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[54] **PROCEDE POUR L'HYDROLYSE DE BIOMASSE**
[72] ZAVREL, MICHAEL, DE
[72] DENNEWALD, DANIELLE, DE
[72] SCHUETZE, SANDRA, DE
[72] VERHUELSDONK, MARCUS, DE
[72] JAKOB, MARKUS, DE
[73] CLARIANT INTERNATIONAL LTD., CH
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[54] **ARTICLES COMPOSITES LIGNOCELLULOSIQUES**
[72] MENTE, DONALD C., US
[73] BASF SE, DE
[85] 2016-03-29
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[25] EN
[54] **NEUTRON PATH ENHANCEMENT**
[54] **AMPLIFICATION DU CHEMIN DE NEUTRONS**
[72] SNUGGERUD, ROSS, US
[72] GOFF, RUSSELL, US
[73] NUSCALE POWER, LLC, US
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[25] EN
[54] **PIPERAZINE DERIVATIVES AND THE USE THEREOF AS MEDICAMENT**
[54] **DERIVES DE PIPERAZINE ET LEUR UTILISATION EN TANT QUE MEDICAMENT**
[72] HOENKE, CHRISTOPH, DE
[72] GIOVANNINI, RICCARDO, DE
[72] LESSEL, UTA, DE
[72] ROSENBROCK, HOLGER, DE
[72] SCHMID, BERNHARD, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[54] **METHOD OF CLEANING AN ORAL APPLIANCE**
[54] **PROCEDE DE NETTOYAGE D'UN APPAREIL ORAL**
[72] FLORMAN, MICHAEL, US
[73] FLORMAN, MICHAEL, US
[85] 2016-04-08
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[54] **CASQUE DE PROTECTION**
[72] PFANNER, ANTON, AT
[72] GREBER, MARTIN, AT
[73] PFANNER SCHUTZBEKLEIDUNG GMBH, AT
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[25] EN
[54] **PHENYL LINKED QUINOLINYL MODULATORS OF ROR-GAMMA-T**
[54] **MODULATEURS QUINOLINYLES A LIAISON PHENYLE DE RAR-GAMMA-T**
[72] BARBAY, KENT, US
[72] EDWARDS, JAMES P., US
[72] KREUTTER, KEVIN D., US
[72] KUMMER, DAVID A., US
[72] MAHAROOF, UMAR, US
[72] NISHIMURA, RACHEL, US
[72] URBANSKI, MAUD, US
[72] VENKATESAN, HARIHARAN, US
[72] WANG, AIHUA, US
[72] WOLIN, RONALD L., US
[72] WOODS, CRAIG R., US
[72] FOURIE, ANNE, US
[72] XUE, XIAOHUA, US
[72] CUMMINGS, MAXWELL D., US
[72] LEONARD, KRISTI A., US
[73] JANSSEN PHARMACEUTICA NV, BE
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[54] **NOISE SURVEILLANCE SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DU BRUIT**
[72] CARLSEN, SIMON, NO
[72] LUNDE, ERLING, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2016-04-15
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[54] **MATERIAL AND DEVICE FOR THE CONTAINMENT OF CRYOGENIC LIQUIDS**
[54] **MATERIAU ET DISPOSITIF POUR LE CONFINEMENT DE LIQUIDES CRYOGENIQUES**
[72] L'INTERMY, JULIEN, FR
[72] DEFOORT, BRIGITTE, FR
[72] DUCHET-RUMEAU, JANNICK, FR
[72] GERARD, JEAN-FRANCOIS, FR
[73] INSTITUT NATIONAL DES SCIENCES APPLIQUEES, FR
[73] INSAVALOR, FR
[73] ARIANEGROUP SAS, FR
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[54] **CAMERA WITH VERY HIGH RESOLUTION AND VERY LARGE IMAGE SIZE**
[54] **APPAREIL PHOTOGRAPHIQUE A TRES HAUTE RESOLUTION ET A TRES GRANDE TAILLE D'IMAGE**
[72] GIOLITO, DAMIEN, FR
[72] MARDIVIRIN, DAVID, FR
[73] IMAO, FR
[85] 2016-04-27
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[54] **RESOURCE ALLOCATION CONTROL BASED ON CONNECTED DEVICES**
[54] **CONTROLE D'ATTRIBUTION DE RESSOURCE FONDE SUR LES APPAREILS CONNECTES**
[72] COHEN, EVAN, CA
[72] MARI, KEVIN, CA
[72] HAMILTON, MATTHEW, CA
[72] BARNETT, JONATHAN K., CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG-SUK, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2929787)
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[54] **CATHETER STRAIN RELIEF CLIP**
[54] **CLIP DE LIBERATION DE CONTRAINTE DE CATHETER**
[72] KHALAJ, STEVE SAEED, US
[73] AVENT, INC., US
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[54] **LONG-LIFE PLASMA NOZZLE WITH LINER**
[54] **BUSE A PLASMA A LONGUE DUREE DE VIE COMPORTANT UNE CHEMISE CONDUCTRICE**
[72] MOLZ, RONALD J., US
[72] HAWLEY, DAVE, US
[73] OERLIKON METCO (US) INC., US
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[54] **DEVICE FOR CHANGING THE DIRECTION OF TRAVEL OF A RAIL-BOUND VEHICLE, RAIL-BOUND RIDE HAVING SUCH A DEVICE, AND METHOD FOR OPERATING SUCH A DEVICE**
[54] **DISPOSITIF DE MODIFICATION DU SENS DE MARCHE D'UN VEHICULE ROULANT SUR RAILS, ATTRACTION ROULANT SUR RAILS COMPRENANT UN DISPOSITIF DE CE TYPE ET PROCEDE DE FONCTIONNEMENT D'UN DI SPOSITIF DE CE TYPE**
[72] SORNIK, FRANK, DE
[72] GORDT, DENNIS, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2016-05-18
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[54] **DRAINED FLUID EVACUATION STUB FOR A PROPULSION ASSEMBLY**
[54] **MAT D'EVACUATION DE FLUIDES DRAINES POUR UN ENSEMBLE PROPULSIF**
[72] LEON, ALEXANDRE, FR
[72] PAVILLET, JULIEN, FR
[72] SAYN-URPAR, JULIEN, FR
[73] SNECMA, FR
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[25] EN
[54] **LIGHTING MODULE FOR RECESSED LIGHTING SYSTEMS**
[54] **MODULE D'ECLAIRAGE POUR SYSTEMES D'ECLAIRAGE ENCASTRES**
[72] BAILEY, MICHAEL D., US
[72] DANESH, MICHAEL D., US
[73] DMF, INC., US
[86] (2931588)
[87] (2931588)
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[25] FR
[54] **CARRIAGE AND MACHINE FOR OPERATING A FURNACE IN AN ANODE-FIRING FACILITY**
[54] **CHARIOT ET MACHINE POUR L'EXPLOITATION D'UN FOUR DANS UNE INSTALLATION DE CUISSON D'ANODES**
[72] DAVID, STEPHANE, FR
[73] FIVES ECL., FR
[85] 2016-06-03
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[54] **BONE PLATE**
[54] **LAME OSSEUSE**
[72] WOLF, STEFAN, CH
[72] AEBI, THIS, CH
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2016-06-07
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[54] **RADIATION DETECTOR AND METHOD FOR REDUCING THE AMOUNT OF TRAPPED CHARGE CARRIERS IN A RADIATION DETECTOR**
[54] **DETECTEUR DE RAYONNEMENT ET METHODE DE REDUCTION DE LA QUANTITE DE PORTEURS DE CHARGE PIEGES DANS UN DETECTEUR DE RAYONNEMENT**
[72] ULLBERG, CHRISTER, SE
[72] URECH, MATTIAS, SE
[72] WEBER, NICLAS, SE
[73] XCOUNTER AB, SE
[85] 2016-06-20
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[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING WATER**
[54] **SYSTEME ET METHODE DE FOURNITURE D'EAU**
[72] HARTIG, UWE, DE
[72] PRAMOR, HORST, DE
[72] PULS, NORBERT JURGEN, DE
[72] WERMTER, CARSTEN, DE
[73] EXERGENE TECHNOLOGIE GMBH, DE
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[25] EN
[54] **A HEAT EXCHANGER FOR A SHOWER OR BATH TUB**
[54] **ECHANGEUR DE CHALEUR POUR UNE DOUCHE OU UN BAIN**
[72] SCHMID, RETO, CH
[72] SVATON, ROMAN, CH
[72] RUSCH, CHRISTOPH, CH
[73] JOULIA AG, CH
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[54] **SKIN CARE COMPOSITIONS COMPRISING KAKADU PLUM EXTRACT**
[54] **COMPOSITIONS DE SOINS DE LA PEAU RENFERMANT UN EXTRAIT DE PRUNE KAKADU**
[72] GAN, DAVID, US
[72] HINES, MICHELLE, US
[72] ARAVENA, JAVIER, US
[72] JONES, BRIAN, US
[73] MARY KAY, INC., US
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[54] **TRIAZOLE FORMULATIONS**
[54] **FORMULATIONS DE TRIAZOLE**
[72] LI, FUGANG, CA
[72] PHAM, HUNG HOANG, CA
[72] GONG, RACHEL, CA
[72] ANDERSON, DARREN J., CA
[73] VIVE CROP PROTECTION INC., CA
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[25] EN
[54] **PRINT TARGET SURFACE REFORMING DEVICE**
[54] **DISPOSITIF DE REFORMAGE DE SURFACE CIBLE D'IMPRESSION**
[72] ITO, YUHIKO, JP
[73] EZAWA JIMUKI CO., LTD., JP
[85] 2016-07-19
[86] 2015-01-28 (PCT/JP2015/052354)
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[54] **ROLLING, FOLDING AND FORMING DEVICE**
[54] **DISPOSITIF DE ROULAGE, PLIAGE ET MISE EN FORME**
[72] ZEPF, PETER LAWRENCE, CA
[73] DIPSUMS LLC, US
[85] 2016-07-21
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[54] **DATA PROCESSING DEVICE AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] IKEGAYA, RYOJI, JP
[72] YAMAMOTO, MAKIKO, JP
[72] SHINOHARA, YUJI, JP
[73] SONY CORPORATION, JP
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[54] **SYSTEM AND METHOD FOR FRACTIONATING GRAIN**
[54] **SYSTEME ET PROCEDE DE FRACTIONNEMENT DE GRAINS**
[72] VASANTHAN, THAVARATNAM, CA
[73] GRAINFRAC INC., CA
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[54] **PROTECTIVE EDGE FOR A BLADE AND METHOD OF MANUFACTURING SAID EDGE**
[54] **BORD DE PROTECTION D'AUBE ET SON PROCEDE DE FABRICATION**
[72] COTINOT, JEREMIE CHRISTIAN ANDRE, FR
[72] VIOLA, ALAIN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[25] EN
[54] **FLUID EMULSION PURIFICATION PROCESSES USING MICROPOROUS MEMBRANES HAVING FILTRATION AND ADSORPTION PROPERTIES**
[54] **PROCEDES DE PURIFICATION D'UNE EMULSION FLUIDE UTILISANT DES MEMBRANES MICROPOREUSES AYANT DES PROPRIETES DE FILTRATION ET D'ADSORPTION**
[72] GUO, QUNHUI, US
[72] KNOX, CAROL L., US
[72] WILT, TRUMAN, US
[72] VOTRUBA-DRZAL, PETER L., US
[72] KAHLE, CHARLES F., US
[72] MCCOLLUM, GREGORY J., US
[73] PPG INDUSTRIES OHIO, INC., US
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[54] **HUMAN BODY RADIATION EXAMINING METHOD AND HUMAN BODY RADIATION EXAMINING SYSTEM**
[54] **PROCEDE ET SYSTEME D'EXAMEN PAR RAYONNEMENT DU CORPS HUMAIN**
[72] ZHAO, ZIRAN, CN
[72] CHEN, ZHIQIANG, CN
[72] LI, YUANJING, CN
[72] WU, WANLONG, CN
[72] JIN, YINGKANG, CN
[72] ZHU, CHENGUANG, CN
[73] NUCTECH COMPANY LIMITED, CN
[86] (2942792)
[87] (2942792)
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[54] **SINGLE SERVE BEVERAGE ADDITIVE CARTRIDGE**
[54] **CARTOUCHE D'ADDITIF DE BOISSON A PORTION UNIQUE**
[72] NOWAK, KELLY M., US
[73] PTC-INNOVATIONS, LLC, US
[85] 2016-09-15
[86] 2014-03-15 (PCT/US2014/029964)
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[30] US (61/798,655) 2013-03-15
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[51] **Int.Cl. H04N 19/186 (2014.01) H04N 19/176 (2014.01) H04N 19/463 (2014.01) H04N 19/70 (2014.01) H04N 19/93 (2014.01)**
[25] EN
[54] **ESCAPE SAMPLE CODING IN PALETTE-BASED VIDEO CODING**
[54] **CODAGE D'ECHANTILLONS D'ECHAPPEMENT DANS LE CODAGE VIDEO BASE SUR UNE PALETTE**
[72] JOSHI, RAJAN LAXMAN, US
[72] SEREGIN, VADIM, US
[72] PU, WEI, US
[72] KARCZEWICZ, MARTA, US
[72] SOLE ROJALS, JOEL, US
[72] RAPAKA, KRISHNAKANTH, US
[73] QUALCOMM INCORPORATED, US
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[30] US (62/002,054) 2014-05-22
[30] US (62/010,313) 2014-06-10
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[30] US (62/040,978) 2014-08-22
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[30] US (14/719,215) 2015-05-21

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[25] EN
[54] **CHEWY CANDY COMPRISING A HIGHLY BRANCHED STARCH (HBS) AND METHOD FOR PROVIDING THE SAME**
[54] **BONBON A MACHER COMPRENANT UN AMIDON HAUTEMENT RAMIFIE (AHR) ET SON PROCEDE DE PRODUCTION**
[72] BAKKER, WYBREN, NL
[72] BUWALDA, PIETER LYKLE, NL
[72] TOMASOA, DAVID THOMAS BENJAMIN, NL
[73] COOPERATIE AVEBE U.A., NL
[85] 2016-11-03
[86] 2015-05-08 (PCT/NL2015/050321)
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[30] EP (14167562.9) 2014-05-08

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[54] **ENSEMBLE D'APPLICATION D'UNE BANDE DE FILM MINCE BIDIMENSIONNEL DANS UN TISSU VIVANT**
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[72] LEWIS, CHRISTOPHER, DE
[73] ERNST STRUNGMANN INSTITUT GEMEINNUTZIGE GMBH, DE
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[54] **METHODE ET APPAREIL POUR ENVOYER ET RECEVOIR UN RAPPORT DE MESURE AU MOYEN D'UN CANAL PARTAGE**
[72] DIGIROLAMO, ROCCO, CA
[72] CAVE, CHRISTOPHER R., CA
[72] MARINIER, PAUL, CA
[72] GRANDHI, SUDHEER A., US
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[72] KANG, HAN SEONG, KR
[72] PARK, JONG SUNG, KR
[72] KIM, JUNG KWON, KR
[72] KIM, HYUNG JIN, KR
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[54] **SYSTEME, PROCEDE ET APPAREIL D'ORGANISATION DE PHOTOGRAPHIES MEMORISEES SUR UN DISPOSITIF INFORMATIQUE MOBILE**
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[73] AMAZON TECHNOLOGIES, INC., US
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[72] PEPIN, STEEVE, CA
[72] ETHIER, GILBERT, CA
[72] GOULET, MARIE-CLAIRE, CA
[72] GAUDREAU, LINDA, CA
[72] GAGNE, MARIELLE, CA
[72] MARTEL, MICHELE, CA
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[54] **ENSEMBLE CARTOUCHE INCLINEE POUR UN DISPOSITIF DE DISTRIBUTION**
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[72] SHERMAN, FAIZ FEISAL, US
[72] BUSH, STEPHAN GARY, US
[72] MESCHKAT, STEPHAN JAMES ANDREAS, DE
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[72] PRICKEL, MARVIN A., US
[72] PRODDUTURI, SHIVAKUMAR, US
[73] CNH INDUSTRIAL AMERICA LLC, US
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[73] DAVIS-STANDARD, LLC, US
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[72] BUSCHE, GREGORY CLAYTON, US
[73] THE BOEING COMPANY, US
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[54] **DISPOSITIF D'ESTIMATION D'ETAT DE PILE A COMBUSTIBLE, PROCEDE D'ESTIMATION D'ETAT ET SYSTEME DE PILE A COMBUSTIBLE**
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[54] **BALAI JUMELE AVEC PLAQUETTE D'APPUI**
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[72] LOCHET, LAURENT, FR
[73] MERSEN FRANCE AMIENS SAS, FR
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[54] **NETTOYANT DE VADROUILLE A SEC**
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[72] MALINOSKY, MICHAEL W., CA
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[54] **METHOD AND SYSTEM FOR ORGANIZED USER EXPERIENCE WORKFLOW**
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[72] SIVERTSON, MATTHEW, US
[72] WANG, GANG, US
[72] MCCLUSKEY, KEVIN, US
[72] KUMAR, VINAY, US
[72] YU, JAY JIEBING, US
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[54] **SYSTEME DE VISIOCASQUE COMPACT PROTEGE PAR UNE STRUCTURE HYPERFINE**
[72] AMITAI, YAAKOV, IL
[72] OFIR, YUVAL, IL
[72] MOR, ELAD, IL
[73] LUMUS LTD., IL
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[54] **ASSAINISSEUR ET DESINFECTANT DE SURFACE D'ORIGINE NATURELLE**
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[72] RUSSOTTI, GARY, US
[72] AAB, RICHARD, US
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[54] **DISPOSITIF D'ANTENNE ORIENTABLE EMPLOYANT UNE LENTILLE DIELECTRIQUE**
[72] SAVAGE, LARRY LEON, US
[72] THACKER, COREY MCKINEY, US
[73] THE BOEING COMPANY, US
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[54] **SYSTEMES TRANSPORTEURS, ENSEMBLES ET PROCEDES ASSOCIES POUR LE TRANSPORT D'ECHANTILLONS DE TISSU**
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[72] KELLER, TIMOTHY, US
[72] LAING, ALASTAIR, US
[72] OTTER, MICHAEL, US
[72] PETRE, VINNIE, US
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[72] COLLINS, JAMES CHRISTOPHER, US
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[72] SHIELDS, PAUL, US
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[73] IPG PHOTONICS CORPORATION, US
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[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
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[73] LANDIS+GYR INNOVATIONS, INC., US
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[54] **ANTENNE A PLAQUE AVEC RESEAUX CIRCULAIRES UNIPOLAIRES PARASITES PERIPHERIQUES**
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[73] NOVATEL INC., CA
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[72] CHAMPAGNE, ALAN ROLLAND, CA
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[54] **PESTICIDAL MICROCAPSULES WITH A SHELL MADE OF TETRAMETHYLXYLYLENE DIISOCYANATE, CYCLOALIPHATIC DIISOCYANATE, AND ALIPHATIC DIAMINE**
[54] **MICROCAPSULES PESTICIDES AVEC UNE ENVELOPPE A BASE DE DIISOCYANATE DE TETRAMETHYLXYLYLENE, DE DIISOCYANATE CYCLOALIPHATIQUE, ET DE DIAMINE ALIPHATIQUE**
[72] KOLB, KLAUS, DE
[72] GREGORI, WOLFGANG, DE
[72] STEINBRENNER, ULRICH, DE
[72] PARRA RAPADO, LILIANA, DE
[73] BASF SE, DE
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[54] **HEAT EXCHANGE DEVICE**
[54] **DISPOSITIF D'ECHANGE DE CHALEUR**
[72] WU, KUNRAN, CN
[72] YANG, ZHENHONG, CN
[72] IIO, KOUJI, JP
[72] HASEGAWA, NORIHIKO, JP
[73] PANASONIC ECOLOGY SYSTEMS GUANGDONG CO., LTD., CN
[73] PANASONIC CORPORATION, JP
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[54] **DATA INTERACTION PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2017-12-20
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[54] **FEMININE PAD WITH BARRIER CUFFS**
[54] **SERVIETTE FEMININE AVEC BARRIERES D'ETANCHEITE FORMANT BARRIERE**
[72] HARDIE, STEPHEN LEBEUF, US
[72] CARLIN, EDWARD PAUL, US
[72] GLASSMEYER, RONDA LYNN, US
[72] TRENNEPOHL, MICHAEL DALE, US
[72] FERRER, JOHN, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **PYRITHIONE PRESERVATIVE SYSTEM IN SOLID RINSE AID PRODUCTS**
[54] **SYSTEME CONSERVATEUR A BASE DE PYRITHIONE DANS LES PRODUITS SOLIDES D'AGENT DE RINCAGE**
[72] FOSTER, TOBIAS, DE
[72] JENSEN, ANDREW, US
[72] MOLINARO, KATHERINE, US
[72] PEITERSEN, NATHAN, US
[72] BLACK, ELAINE, US
[73] ECOLAB USA INC., US
[85] 2018-02-15
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[25] EN
[54] **ELECTRONIC INHALATION DEVICE**
[54] **DISPOSITIF D'INHALATION ELECTRONIQUE**
[72] LORD, CHRISTOPHER, GB
[73] NICOVENTURES TRADING LIMITED, GB
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[87] (2997062)
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[54] **METHODS OF MICROBIAL MEASURING AND CONTROL**
[54] **PROCEDES DE MESURE ET DE CONTROLE MICROBIEN**
[72] FAJT, JAMES, US
[72] ZAMBRANO, ABRAHAM, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-03-05
[86] 2016-03-03 (PCT/US2016/020672)
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[54] **CBRN BREATHING APPARATUS**
[54] **APPAREIL RESPIRATOIRE NRBC**
[72] ZHONG, HARRY XIA, US
[73] AVON PROTECTION SYSTEMS, INC., US
[85] 2018-03-07
[86] 2016-09-08 (PCT/US2016/050707)
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[25] EN
[54] **PROCESS FOR THE PURIFICATION OF BIOMASS HYDROLYSATE**
[54] **PROCEDE DE PURIFICATION D'HYDROLYSAT DE BIOMASSE**
[72] ZAVREL, MICHAEL, DE
[72] DENNEWALD, DANIELLE, DE
[72] HOFFMANN, PHILIP, DE
[73] CLARIANT INTERNATIONAL LTD, CH
[85] 2018-03-09
[86] 2016-08-19 (PCT/EP2016/069740)
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[25] EN
[54] **RAPID CHARGING SYSTEM AND METHOD FOR ELECTRICALLY CONNECTING A VEHICLE TO A CHARGING STATION**
[54] **SYSTEME DE CHARGE RAPIDE ET PROCEDE POUR LA LIAISON ELECTRIQUE D'UN VEHICULE A UN POSTE DE CHARGE**
[72] WEIGEL, WILFRIED, DE
[72] DOMES, MATTHIAS, DE
[72] GAMSJAGER, TOBIAS, AT
[72] STAUBACH, TIMO, DE
[73] SCHUNK TRANSIT SYSTEMS GMBH, DE
[85] 2018-03-20
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[25] EN
[54] **CONNECTOR HAVING A FRANGIBLE PORTION FOR A LINKAGE OF AN AGRICULTURAL VEHICLE**
[54] **CONNECTEUR AYANT UNE PARTIE FRANGIBLE POUR UNE LIAISON D'UN VEHICULE AGRICOLE**
[72] BENT, ETHAN CURTIS STEPHEN, CA
[72] CHAHLEY, DENNIS W., CA
[72] GADZELLA, GERARD JAMES, CA
[72] SHARBATI, EHSAN, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3001407)
[87] (3001407)
[22] 2018-04-13
[30] US (15/626,921) 2017-06-19

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[54] **AUGMENTED AND VIRTUAL REALITY QUOTE-TO-CASH SYSTEM**
[54] **SYSTEME DE DEVIS-CAISSE A REALITE VIRTUELLE ET AUGMENTEE**
[72] KRAPPE, KIRK G., US
[72] GIRI, NEEHAR, US
[72] GAUR, VIBHOR, US
[73] APTTUS CORPORATION, US
[86] (3002189)
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[25] EN
[54] **CARTILAGE GRAFTS**
[54] **GREFFES DE CARTILAGE**
[72] CHEN, SILVIA S., US
[72] WOLFINBARGER, LLOYD, US
[72] QIN, XIAOFEI, US
[72] CHEN, JINGSONG, US
[72] THOMAS, RONY, US
[72] MOORE, MARK, US
[72] JONES, ALYCE LINTHURST, US
[73] LIFENET HEALTH, US
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[54] **WEE1 KINASE INHIBITORS AND METHODS OF MAKING AND USING THE SAME**
[54] **INHIBITEURS DE LA KINASE WEE1 ET LEURS PROCEDES DE FABRICATION ET D'UTI LISATION**
[72] REIGAN, PHILIP, US
[72] MATHESON, CHRISTOPHER, US
[73] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2018-04-30
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[25] EN
[54] **FLUSHABLE FIBROUS STRUCTURES**
[54] **STRUCTURES FIBREUSES JETABLES DANS LES TOILETTES**
[72] MOHAMMADI, KHOSROW PARVIZ, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-17
[86] 2016-12-14 (PCT/US2016/066587)
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[25] EN
[54] **CUCURBITANE TETRACYCLIC TRITERPENOID COMPOUNDS FOR APPLICATION IN TREATING PULMONARY FIBROSIS**
[54] **COMPOSE TRITERPENOIDE TETRACYCLIQUE DE CUCURBITANE POUR APPLICATION DANS LE TRAITEMENT DE LA FIBROSE PULMONAIRE**
[72] XIE, HAIFENG, CN
[72] ZHANG, CHAOFENG, CN
[72] XIE, QILIN, CN
[72] HU, YUNLING, CN
[73] CHENGDU BIOPURIFY LTD., CN
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[25] EN
[54] **NOVEL BATTERY SYSTEMS BASED ON TWO-ADDITIVE ELECTROLYTE SYSTEMS INCLUDING 2-FURANONE, AND METHOD OF FORMATION PROCESS OF SAME**
[54] **NOUVEAUX SYSTEMES DE BATTERIES BASES SUR DES SYSTEMES D'ELECTROLYTE A DEUX ADDITIFS COMPRENANT DE LA 2-FURANONE ET LEUR PROCEDE DE FABRICATION**
[72] DAHN, JEFFERY RAYMOND, CA
[72] MA, XIAOWEI, CA
[73] TESLA, INC., US
[73] PANASONIC CORPORATION, JP
[86] (3010941)
[87] (3010941)
[22] 2018-07-10
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[25] EN
[54] **ENERGY RECOVERY IN MANUFACTURE OF SULFURIC ACID**
[54] **RECUPERATION D'ENERGIE DANS LA FABRICATION D'ACIDE SULFURIQUE**
[72] VERA-CASTANEDA, ERNESTO, US
[73] MECS, INC., US
[86] (3012769)
[87] (3012769)
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[54] **QUINOLINE ANALOGS AS PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**
[54] **ANALOGUES DE QUINOLEINE EN TANT QU'INHIBITEURS DE PHOSPHATIDYLINOSITOL 3-KINASE**
[72] HAO, XIAOLIN, US
[73] HANGZHOU ZHENGXIANG PHARMACEUTICALS CO., LTD., CN
[85] 2018-08-01
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[30] US (62/304,148) 2016-03-05

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[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 10/0525 (2010.01) H01M 10/056 (2010.01)**
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[54] **DIOXAZOLONES AND NITRILE SULFITES AS ELECTROLYTE ADDITIVES FOR LITHIUM-ION BATTERIES**
[54] **DIOXAZOLONES ET SULFITES DE NITRILE COMME ADDITIFS ELECTROLYTES DANS LES BATTERIES AU LITHIUM-ION**
[72] DAHN, JEFFERY RAYMOND, CA
[72] HYNES, TOREN, CA
[72] HALL, DAVID SCOTT, CA
[73] TESLA, INC., US
[73] PANASONIC CORPORATION, JP
[86] (3013743)
[87] (3013743)
[22] 2018-08-09
[30] US (16/045,082) 2018-07-25
[30] US (62/687,594) 2018-06-20

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[51] **Int.Cl. A61F 2/90 (2013.01) A61M 31/00 (2006.01)**
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[54] **INTRAVASCULAR ANEURYSM TREATMENT DEVICE AND METHODS**
[54] **DISPOSITIF DE TRAITEMENT D'ANEVRISME INTRAVASCULAIRE ET METHODES**
[72] HOLZER, ASHER, IL
[72] BAR ELI, IL
[72] PAZ, OFIR, IL
[73] INSPIREMD LTD., IL
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[87] (3013758)
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[25] EN
[54] **SYSTEMS AND METHODS FOR COMPUTING DATA PRIVACY-UTILITY TRADEOFF**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE CALCULER UN COMPROMIS DE CONFIDENTIALITE ET D'UTILITE DE DONNEES**
[72] THOMAS, DILYS, IN
[72] LODHA, SACHIN PREMSUKH, IN
[72] BANAHATTI, VIJAYANAND MAHADEO, IN
[72] PADMANABHAN, KISHORE, IN
[72] MASHIWAL, KALYANI, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[85] 2018-08-22
[86] 2017-02-20 (PCT/IB2017/050950)
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[51] **Int.Cl. H01L 35/30 (2006.01) F01N 5/02 (2006.01) H02N 11/00 (2006.01)**
[25] EN
[54] **THERMOELECTRIC CONVERSION UNIT, THERMOELECTRIC CONVERSION MODULE, AND EXHAUST-GAS ELECTRICITY GENERATION UNIT**
[54] **UNITE DE CONVERSION THERMOELECTRIQUE, MODULE DE CONVERSION THERMOELECTRIQUE ET UNITE DE PRODUCTION D'ELECTRICITE A PARTIR DE GAZ D'ECHAPPEMENT**
[72] UCHIYAMA, NAOKI, JP
[72] KUBO, KAZUYA, JP
[73] ATSUMITEC CO., LTD., JP
[85] 2018-08-23
[86] 2017-03-21 (PCT/JP2017/011249)
[87] (WO2017/164180)
[30] JP (2016-057279) 2016-03-22
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[25] EN
[54] **OPTICAL NITRATE SENSOR FOR MULTIPARAMETER WATER QUALITY MEASUREMENT**
[54] **CAPTEUR OPTIQUE DE NITRATE POUR MESURE DE QUALITE DE L'EAU A PARAMETRES MULTIPLES**
[72] PALASSIS, CHRISTOPHER JOHN, US
[72] ROJO, MIGUEL A., US
[73] YSI, INC., US
[85] 2018-09-04
[86] 2017-03-07 (PCT/US2017/021075)
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[54] **TECHNIQUES FOR REPORTING CHANNEL FEEDBACK IN WIRELESS COMMUNICATIONS**
[54] **TECHNIQUES DE NOTIFICATION DE RETROACTION DE CANAL DANS DES COMMUNICATIONS SANS FIL**
[72] MERLIN, SIMONE, US
[72] CHEN, JIALING LI, US
[72] FREDERIKS, GUIDO ROBERT, US
[72] ASTERJADHI, ALFRED, US
[72] CHERIAN, GEORGE, US
[73] QUALCOMM INCORPORATED, US
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[54] **DREDGING APPARATUS AND METHOD OF DREDGING**
[54] **APPAREIL DE DRAGAGE ET PROCEDE DE DRAGAGE**
[72] WORMALD, DANIEL J., GB
[73] WORMALD, DANIEL J., GB
[85] 2018-09-18
[86] 2016-03-18 (PCT/GB2016/050767)
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[30] GB (1504671.7) 2015-03-19

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[51] **Int.Cl. G06T 7/00 (2017.01)**
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[54] **AUTOMATED CORE DESCRIPTION**
[54] **DESCRIPTION DE CAROTTE AUTOMATISEE**
[72] MEZGHANI, MOKHLES MUSTAPHA, SA
[72] SHAMMARI, SALEM HAMOUD, SA
[72] ANIFOWOSE, FATAI A., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **SLIDE-INHIBITING SAFETY GARMENT FOR ICE AND ASSOCIATED METHOD**
[54] **VETEMENT DE SECURITE EMPECHANT DE GLISSER DESTINE A LA GLACE ET METHODE ASSOCIEE**
[72] BOURN, CHARLES T., CA
[73] BOURN, CHARLES T., CA
[86] (3021743)
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[25] EN
[54] **ELECTROCHEMICAL APPARATUS FOR PRODUCING DISINFECTANT**
[54] **APPAREIL ELECTROCHIMIQUE POUR LA PRODUCTION DE DESINFECTANT**
[72] EDGAR, JOSEPH A., US
[72] KREFTA, ANDREW, IE
[73] H2ENVIRO LLC, US
[85] 2018-11-01
[86] 2017-05-08 (PCT/US2017/031602)
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[25] EN
[54] **OVEN WITH INTERNAL VOC CATALYST**
[54] **FOUR COMPORTANT UN CATALYSEUR DE COV INTERNE**
[72] ANDREAE, BRADLEY M., US
[73] SST SYSTEMS, INC., US
[86] (3022992)
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[22] 2018-11-02
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[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/70 (2014.01)**
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[54] **TEMPORAL SUB-LAYER DESCRIPTOR**
[54] **DESCRIPTEUR DE SOUS-COUCHE TEMPORELLE**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2018-11-06
[86] 2017-04-24 (PCT/JP2017/016232)
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[30] US (62/336,038) 2016-05-13
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[54] **METHODS OF PRODUCING HYDRATED FLAVONOIDS AND USE THEREOF IN THE PREPARATION OF TOPICAL COMPOSITIONS**
[54] **PROCEDES DE PRODUCTION DE FLAVONOIDES HYDRATES ET LEUR UTILISATION DANS LA PREPARATION DE COMPOSITIONS TOPIQUES**
[72] BIRBARA, PHILIP J., US
[73] VIZURI HEALTH SCIENCES CONSUMER HEALTHCARE, INC., US
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[25] EN
[54] **STANDARD CELL ARCHITECTURE FOR DIFFUSION BASED ON FIN COUNT**
[54] **ARCHITECTURE DE CELLULES STANDARD POUR DIFFUSION BASEE SUR LE NOMBRE D'AILETTES**
[72] CORREALE, ANTHONY, JR., US
[72] BOWERS, BENJAMIN, US
[72] DELLA ROVA, TRACEY, US
[72] GOODALL, WILLIAM, III, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-11-14
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[54] **SYSTEM AND METHOD FOR CONTROLLING A DRILLING MACHINE**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE MACHINE DE FORAGE**
[72] MILLER, PETER D., US
[73] EPIROC DRILLING SOLUTIONS LLC, US
[85] 2018-11-21
[86] 2017-06-21 (PCT/US2017/038449)
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[25] EN
[54] **TRAINING METHOD AND SYSTEM FOR DIRECTIONAL TRANSMISSION IN WIRELESS COMMUNICATION**
[54] **PROCEDE ET SYSTEME D'APPRENTISSAGE POUR UNE TRANSMISSION DIRECTIONNELLE DANS LA COMMUNICATION SANS FIL**
[72] ABDALLAH, RAMY, US
[72] SAKODA, KAZUYUKI, US
[73] SONY CORPORATION, JP
[85] 2018-11-22
[86] 2017-05-26 (PCT/US2017/034632)
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[30] US (15/175,615) 2016-06-07

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[51] **Int.Cl. H04N 13/00 (2018.01) H04N 5/222 (2006.01) H04N 5/247 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING A VIRTUAL IMAGE FROM A VIEWPOINT SELECTED BY THE USER, FROM A CAMERA ARRAY WITH DEFAULT PARAMETERS ASSOCIATED TO THE SELECTED TYPE OF SPORT EVENT**
[54] **PROCEDE ET APPAREIL POUR GENERER UNE IMAGE VIRTUELLE A PARTIR D'UN POINT DE VUE SELECTIONNE PAR L'UTILISATEUR, A PARTIR D'UN RESEAU DE CAMERAS AYANT DES PARAMETRES PAR DEFAUT ASSO CIES AU TYPE SELECTIONNE D'EVENEMENT SPORTIF**
[72] TANAKA, KATSUMASA, JP
[72] HANDA, MASAHIRO, JP
[72] AIZAWA, MICHIO, JP
[72] MIZUNO, SHOGO, JP
[72] MATSUSHITA, AKIHIRO, JP
[72] MORISAWA, KEISUKE, JP
[72] YANO, TOMOHIRO, JP
[72] KOMIYAMA, MAI, JP
[72] FUJII, KENICHI, JP
[72] DATE, ATSUSHI, JP
[73] CANON KABUSHIKI KAISHA, JP
[85] 2018-11-23
[86] 2017-05-22 (PCT/JP2017/019078)
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[30] JP (2016-104432) 2016-05-25

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[54] **EYEBALL TRACKING METHOD AND APPARATUS, AND DEVICE**
[54] **PROCEDE ET APPAREIL DE SUIVI DE GLOBE OCULAIRE, ET DISPOSITIF**
[72] CAI, ZIHAO, CN
[72] FENG, LIANG, CN
[73] CHINA UNIONPAY CO., LTD., CN
[85] 2018-11-29
[86] 2016-11-30 (PCT/CN2016/108060)
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[54] **METHOD OF COMPACTION OF BASES COMPOSED OF WEAK MINERAL SOILS**
[54] **METHODE DE COMPACTION DE BASES COMPOSEES DE RESIDUS MINERAUX FAIBLES**
[72] TER-MARTIROSYAN, ZAVEN GRIGOR'EVICH, RU
[72] MIRNIY, ANATOLIY YUR'EVICH, RU
[72] SOBOLEV, EVGENIY STANISLAVOVICH, RU
[72] SIDOROV, VITALIY VALENTINOVICH, RU
[72] ANZHELO, GEORGIY OLEGOVICH, RU
[72] LUZIN, IVAN NIKOLAEVICH, RU
[72] TER-MARTIROSYAN, ARMEN ZAVENOVICH, RU
[73] JOINT STOCK COMPANY "ROSENERGOATOM", RU
[73] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS", RU
[85] 2018-12-04
[86] 2017-12-08 (PCT/RU2017/000916)
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[54] **INFORMATION INTERACTION PROCESSING METHOD, SYSTEM AND TERMINAL**
[54] **PROCEDE, SYSTEME ET TERMINAL DE TRAITEMENT D'INTERACTION D'INFORMATIONS**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-12-04
[86] 2015-06-30 (PCT/CN2015/082811)
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[25] EN
[54] **PHOSPHORYLATED LIGNOCELLULOSIC FIBERS, USES AND PROCESSES OF PREPARATION THEREOF**
[54] **FIBRES LIGNOCELLULOSIQUES PHOSPHORYLEES, UTILISATIONS ET PROCEDES DE PREPARATION CORRESPONDANTS**
[72] BELOSINSCHI, DAN, CA
[72] BROUILLETTE, FRANCOIS, CA
[72] SHI, YING, CA
[72] PARADIS, JEAN, CA
[72] DOUCET, JOSEE, CA
[73] 3R VALO, S.E.C., CA
[85] 2018-12-10
[86] 2017-06-12 (PCT/CA2017/050717)
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[25] EN
[54] **CONTROLLED HIGH PRESSURE SEPARATOR FOR PRODUCTION FLUIDS**
[54] **SEPARATEUR HAUTE PRESSION CONTROLE DESTINE AUX FLUIDES DE PRODUCTION**
[72] ELMER, WILLIAM G., US
[73] ENCLINE ARTIFICIAL LIFT TECHNOLOGIES LLC, US
[86] (3028055)
[87] (3028055)
[22] 2018-12-19
[30] US (62/616,119) 2018-01-11
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[51] **Int.Cl. A23L 33/00 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23L 33/115 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/17 (2016.01) A23L 33/175 (2016.01) A23L 33/18 (2016.01) A23L 33/21 (2016.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MANAGING DIGESTIVE DISORDERS AND A HEALTHY MICROBIOME**
[54] **COMPOSITIONS ET PROCEDES POUR LA GESTION DE TROUBLES DIGESTIFS ET L'ETABLISSEMENT D'UN MICROBIOME SAIN**
[72] LEBRUN-BLASHKA, SARA, US
[72] TROUP, JOHN, US
[72] CONTRACTOR, NIKHAT, US
[73] METAGENICS, INC., US
[85] 2019-01-08
[86] 2017-07-17 (PCT/US2017/042329)
[87] (WO2018/017456)
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[54] **INTERACTION BETWEEN ANTIMICROBIAL QUATERNARY COMPOUNDS AND ANIONIC SURFACTANTS**
[54] **INTERACTION ENTRE DES COMPOSES QUATERNAIRES ANTIMICROBIENS ET DES TENSIOACTIFS ANIONIQUES**
[72] MAN, VICTOR FUK-PONG, US
[72] ANDERSON, DERRICK R., US
[73] ECOLAB USA INC., US
[85] 2019-01-21
[86] 2017-02-28 (PCT/US2017/019895)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING AKT PROTEIN KINASE INHIBITORS**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES INHIBITEURS DE LA PROTEINE KINASE AKT**
[72] REENTS, REINHARD, CH
[72] HIDBER, PIRMIN, CH
[72] HELL, ANDRE, CH
[72] STEIDLE, PETER, CH
[72] WUNDERLICH, MARTIN, CH
[72] PEPELNJAK, MARIE, CH
[72] GOSSELIN, FRANCIS, US
[72] YOST, EDWARD, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-01-28
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[25] EN
[54] **ACTINIC RADIATION-CURABLE URETHANE/UREA-CONTAINING AEROSPACE COATINGS AND SEALANTS**
[54] **REVETEMENTS ET MATERIAUX D'ETANCHEITE AEROSPATIAUX CONTENANT DE L'URETHANE/UREE DURCISSABLES PAR RAYONNEMENT ACTINIQUE**
[72] VIRNELSON, BRUCE, US
[72] RAO, CHANDRA B., US
[72] LIN, RENHE, US
[73] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2019-01-28
[86] 2017-08-08 (PCT/US2017/045871)
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[51] **Int.Cl. A61K 45/06 (2006.01)**
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[54] **INHIBITION OF SPHINGOSINE 1-PHOSPHATE RECEPTOR FOR TREATMENT AND PREVENTION OF LYMPHEDEMA**
[54] **INHIBITION DU RECEPTEUR DE LA SPHINGOSINE 1-PHOSPHATE POUR LE TRAITEMENT ET LA PREVENTION D'UN LYMPHOEDEME**
[72] MEHRARA, BABAK, US
[73] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2019-02-13
[86] 2017-08-17 (PCT/US2017/047291)
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[25] EN
[54] **AMPHIPHILIC BRANCHED POLYDIORGANOSILOXANE MACROMERS**
[54] **MACROMERES AMPHIPHILES DE TYPE POLYDIORGANOSILOXANE RAMIFIE**
[72] CHANG, FRANK, US
[72] JING, FENG, US
[72] CHENG, FEI, US
[72] ZHENG, YING, US
[73] ALCON INC., US
[85] 2019-02-28
[86] 2017-10-25 (PCT/IB2017/056622)
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[51] **Int.Cl. C23C 30/00 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/16 (2006.01) C23C 28/00 (2006.01) H01F 27/245 (2006.01) H01F 27/34 (2006.01) H01F 41/02 (2006.01)**
[25] EN
[54] **ORIENTED SILICON STEEL PRODUCT WITH LOW IRON LOSS FOR LOW-NOISE TRANSFORMER, AND MANUFACTURING METHOD THEREOF**
[54] **PRODUIT EN ACIER AU SILICIUM A FAIBLES PERTES DANS LE FER POUR TRANSFORMATEUR A FAIBLE BRUIT, ET SON PROCEDE DE FABRICATION**
[72] ZHAO, ZIPENG, CN
[72] HOU, CHANGJUN, CN
[72] XIANG, BANGLIN, CN
[72] SHEN, KANYI, CN
[72] LI, GUOBAO, CN
[72] LING, CHEN, CN
[72] XIE, WEIYONG, CN
[72] SONG, YANLI, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2019-03-08
[86] 2017-06-13 (PCT/CN2017/088090)
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[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/0286 (2016.01) H01M 8/124 (2016.01) F16J 15/02 (2006.01)**
[25] FR
[54] **WATER ELECTROLYSIS REACTOR (SOEC) OR FUEL CELL (SOFC) WITH AN INCREASED RATE OF WATER VAPOUR USE OR FUEL USE, RESPECTIVELY**
[54] **REACTEUR D'ELECTROLYSE DE L'EAU (SOEC) OU PILE A COMBUSTIBLE (SOFC) A TAUX D'UTILISATION DE VAPEUR D'EAU OU RESPECTIVEMENT DE COMBUSTIBLE AUGMENTE**
[72] DI IORIO, STEPHANE, FR
[72] ROUX, GUILHEM, FR
[72] ORESIC, BRUNO, FR
[72] REYTIER, MAGALI, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2019-03-20
[86] 2017-09-20 (PCT/EP2017/073839)
[87] (WO2018/055011)
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[54] **HYDROCARBON WASTE STREAM PURIFICATION PROCESSES USING MICROPOROUS MATERIALS HAVING FILTRATION AND ADSORPTION PROPERTIES**
[54] **PROCEDES DE PURIFICATION DE FLUX DE DECHETS D'HYDROCARBURES UTILISANT DES MATERIAUX MICROPOREUX AYANT DES PROPRIETES DE FILTRATION ET D'ADSORPTION**
[72] GUO, QUNHUI, US
[72] PETERS, JAMES C., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2019-04-03
[86] 2017-10-17 (PCT/US2017/056951)
[87] (WO2018/075494)
[30] US (15/299,880) 2016-10-21

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[54] **MAINTENANCE METHOD FOR HEATING, VENTILATION OR AIR CONDITIONING SYSTEM**
[54] **PROCEDE DE MAINTENANCE POUR SYSTEME DE CHAUFFAGE, DE VENTILATION OU DE CLIMATISATION**
[72] ZHAO, YONG, CN
[72] ZHANG, XIANSHENG, CN
[73] ZHONGSHAN BROAD-OCEAN MOTOR CO.,LTD., CN
[85] 2019-04-05
[86] 2017-06-14 (PCT/CN2017/088322)
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[54] **HIGH TEMPERATURE, DAMAGE TOLERANT SUPERALLOY, AN ARTICLE OF MANUFACTURE MADE FROM THE ALLOY, AND PROCESS FOR MAKING THE ALLOY**
[54] **SUPERALLIAGE TOLERANT LES DOMMAGES A HAUTE TEMPERATURE, ARTICLE MANUFACTURE FABRIQUE A PARTIR DE CET ALLIAGE, ET PROCEDE DE FABRICATION DE L'ALLIAGE**
[72] HECK, KARL A., US
[72] KERNION, SAMUEL J., US
[73] CRS HOLDINGS, INC., US
[85] 2019-04-05
[86] 2017-10-09 (PCT/US2017/055740)
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[25] EN
[54] **AMINO ACID BEVERAGE CONTAINING ALLULOSE**
[54] **BOISSON A BASE D'ACIDE AMINE CONTENANT DE L'ALLULOSE**
[72] SHIM, DONG SEOK, KR
[72] KIM, SU-JEONG, KR
[72] PARK, SEUNG WON, KR
[72] BAK, YOUN-KYUNG, KR
[72] PARK, JUNG GYU, KR
[72] BYUN, SUNG BAE, KR
[72] LEE, IN, KR
[72] JUNG, DONG CHUL, KR
[72] CHOI, JONG MIN, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-04-09
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[54] **PROCESS FOR MAKING A LAMINATED SHEET**
[54] **PROCEDE DE FABRICATION D'UNE FEUILLE STRATIFIEE**
[72] ARBESMAN, RAY, CA
[72] PHAM, NGHI, CA
[72] MACKELVIE, WINSTON, CA
[73] GRIPMETAL LIMITED, IE
[86] (3040130)
[87] (3040130)
[22] 2012-06-18
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[25] EN
[54] **DEVICE-ASSISTED SERVICES FOR PROTECTING NETWORK CAPACITY**
[54] **SERVICES ASSISTES PAR DISPOSITIF POUR PROTEGER LA CAPACITE DE RESEAU**
[72] RALEIGH, GREGORY G., US
[72] RAISSINIA, ALI, US
[72] LAVINE, JAMES, US
[73] HEADWATER RESEARCH LLC, US
[86] (3040365)
[87] (3040365)
[22] 2011-05-25
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[25] EN
[54] **MOVABLE PLATFORM AND ACTUATING ATTACHMENT**
[54] **PLATE-FORME MOBILE, ET ACCESSOIRE D'ACTIONNEMENT**
[72] BRADLEY, MARK, US
[72] HOPKINS, STONIE, US
[72] MALDONADO, JEFFERSON, US
[72] HUTCHENS, DOUG, US
[72] WADE, JERRY, US
[73] INNOVATIVE LOGISTICS, INC., US
[85] 2019-04-17
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[25] EN
[54] **PORTABLE URINAL MOUNTING ASSEMBLY**
[54] **ENSEMBLE DE MONTAGE D'URINOIR PORTATIF**
[72] KILLIAN, JAMES, US
[73] KILLIAN, JAMES, US
[85] 2019-04-18
[86] 2017-10-09 (PCT/US2017/055790)
[87] (WO2018/075283)
[30] US (15/297,206) 2016-10-19

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[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SURGICAL POWER TOOL WITH CRITICAL ERROR HANDLER**
[54] **OUTIL ELECTRIQUE CHIRURGICAL AVEC GESTIONNAIRE D'ERREUR CRITIQUE**
[72] HESTON, BRIAN KEITH, US
[73] ZIMMER, INC., US
[85] 2019-04-29
[86] 2017-10-16 (PCT/US2017/056740)
[87] (WO2018/080823)
[30] US (62/414,995) 2016-10-31

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[25] EN
[54] **THIN PLATE APPARATUS FOR REMOVING DEBRIS FROM WATER**
[54] **APPAREIL A PLAQUE MINCE SERVANT A ELIMINER DES DEBRIS DE L'EAU**
[72] DUPERON, TERRY L., US
[72] WOODLEY, MICHAEL, US
[73] DUPERON INNOVATION, LLC, US
[86] (3042784)
[87] (3042784)
[22] 2010-09-02
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[30] US (61/275,657) 2009-09-02
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[25] EN
[54] **DUAL TELEMETRIC COILED TUBING SYSTEM**
[54] **SYSTEME DE COLONNE DE PRODUCTION SPIRALEE TELEMETRIQUE DOUBLE**
[72] GARNER, LOUIS D., CA
[72] LIVESCU, SILVIU, CA
[72] WATKINS, THOMAS J., CA
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-05-06
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[54] **SELF-CONTAINED TORSION SPRING INSERTER FOR DRUG DELIVERY INFUSION SET**
[54] **DISPOSITIF D'INSERTION DE RESSORT DE TORSION AUTOCONTENU POUR UN ENSEMBLE DE PERFUSION POUR L'ADMINISTRATION DE MEDICAMENT**
[72] BRUEHWILLER, MICHEL, US
[72] CONSTANTINEAU, COLE, US
[72] KHANICHEH, AZADEH, US
[72] SCHOONMAKER, RYAN, US
[72] WALISH, JUDY, US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **POSITION REPORTING AND NAVIGATION IN AN INTEGRATED FLIGHT APPLICATION USING BULLSEYE**
[54] **RAPPORT DE POSITION ET NAVIGATION DANS UNE APPLICATION DE VOL INTEGREE UTILISANT UNE CIBLE**
[72] ROOT, TRAVIS SCOTT CLAYTON, US
[72] VASQUEZ, LUIS MANUEL FLORES, US
[73] FOREFLIGHT LLC, US
[86] (3043210)
[87] (3043210)
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[25] EN
[54] **PINNED CELL ARRAY FOR AN ENERGY STORAGE SYSTEM**
[54] **RESEAU DE CELLULES BROCHEES DESTINE A UN SYSTEME DE STOCKAGE D'ENERGIE**
[72] DELRYMPLE, DEREK A., US
[72] REYBURN, STEVEN T., US
[72] FORD, DEAN M., US
[72] JOHNSON, CLYDE H., US
[72] HOPKINS, RUSSELL B., US
[72] LAWRENCE, ROBERT A., US
[72] MILLER, BRUCE E., US
[73] ALLISON TRANSMISSION, INC., US
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[25] EN
[54] **PLUG-IN BUSSED ELECTRICAL CENTER FOR AN ENERGY STORAGE MODULE**
[54] **CENTRE DE RACCORDEMENT ELECTRIQUE PAR BUS BRANCHE DESTINE A UN MODULE DESTOCKAGE D'ENERGIE**
[72] MASKEW, BRIAN J., US
[72] MORROW, BRIAN C., US
[72] GASAWAY, TIMOTHY A., US
[73] ALLISON TRANSMISSION, INC., US
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[25] EN
[54] **LOAD CONTROL DEVICE FOR CONTROLLING A DRIVER FOR A LIGHTING LOAD**
[54] **DISPOSITIF DE COMMANDE DE CHARGE POUR COMMANDER UN PILOTE D'UNE CHARGE D'ECLAIRAGE**
[72] STEINER, JAMES P., US
[72] COOPER, DANIEL G., US
[72] BEDELL, RYAN S., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[86] (3044318)
[87] (3044318)
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[30] US (62/059,180) 2014-10-03
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[25] EN
[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 7/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME**
[54] **CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE_64 800 BITS ET UN TAUX DE CODE DE 7/15 ET PROCEDE D'ENCODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE UTILISANT CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
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[87] (3045677)
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[54] **IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] HATTORI, SHINOBU, JP
[72] TAKAHASHI, YOSHITOMO, JP
[73] SONY CORPORATION, JP
[86] (3045874)
[87] (3045874)
[22] 2012-06-28
[62] 2,838,088
[30] JP (2011-145564) 2011-06-30
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[25] EN
[54] **CREATING, BROADCASTING, AND VIEWING 3D CONTENT**
[54] **CREATION, DIFFUSION ET VISUALISATION D'UN CONTENU EN 3D**
[72] MYHILL, ADAM, CA
[73] UNITY IPR APS, DK
[85] 2019-06-07
[86] 2017-12-09 (PCT/IB2017/001645)
[87] (WO2018/104791)
[30] US (62/432,321) 2016-12-09
[30] US (62/551,130) 2017-08-28

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[51] **Int.Cl. G06F 15/173 (2006.01)**
[25] EN
[54] **SECURE OFFLINE RESOURCE OPERATIONS**
[54] **OPERATIONS SECURISEES DE RESSOURCES HORS LIGNE**
[72] CHEN, GE, CN
[72] WANG, LEI, CN
[72] SHEN, LINGNAN, CN
[72] CHEN, XING, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-06-10
[86] 2017-12-19 (PCT/US2017/067334)
[87] (WO2018/118933)
[30] CN (201611175289.6) 2016-12-19
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[25] EN
[54] **PTO QUICK ATTACHMENT FOR A UTILITY VEHICLE**
[54] **FIXATION RAPIDE DE PRISE DE FORCE POUR UN VEHICULE UTILITAIRE**
[72] BRIESE, KEVIN K., US
[72] HANSON, JACOB D., US
[73] POLARIS INDUSTRIES INC., US
[85] 2019-06-13
[86] 2017-12-22 (PCT/US2017/068169)
[87] (WO2018/119388)
[30] US (62/437,667) 2016-12-22

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[51] **Int.Cl. H04W 4/10 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OBTAINING SUPPLEMENTAL INFORMATION IN A GROUP COMMUNICATION USING ARTIFICIAL INTELLIGENCE**
[54] **SYSTEME ET PROCEDE D'OBTENTION D'INFORMATIONS SUPPLEMENTAIRES DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE**
[72] PROCTOR, LEE M., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-06-21
[86] 2017-12-13 (PCT/US2017/066111)
[87] (WO2018/125571)
[30] US (15/390,797) 2016-12-27

[11] **3,048,413**
[13] C
[51] **Int.Cl. H04W 4/10 (2009.01) H04M 3/487 (2006.01) H04W 4/90 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING TIMING OF RESPONSE IN A GROUP COMMUNICATION USING ARTIFICIAL INTELLIGENCE**
[54] **SYSTEME ET PROCEDE POUR DETERMINER LA SYNCHRONISATION D'UNE REPONSE DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE**
[72] PROCTOR, LEE M., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-06-25
[86] 2017-12-13 (PCT/US2017/066104)
[87] (WO2018/125570)
[30] US (15/390,830) 2016-12-27

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[13] C
[51] **Int.Cl. H04B 1/3827 (2015.01)**
[25] EN
[54] **WEARABLE WIRELESS COMMUNICATION DEVICE AND COMMUNICATION GROUP SETTING METHOD USING THE SAME**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL PORTABLE ET PROCEDE DE REGLAGE DE GROUPE DE COMMUNICATION UTILISANT CE DISPOSITIF**
[72] PARK, SANG RAE, KR
[73] PARK, SANG RAE, KR
[85] 2019-06-26
[86] 2017-12-07 (PCT/KR2017/014303)
[87] (WO2018/131796)
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[25] EN
[54] **ORTHOSIS, RELATED COMPONENTS AND METHODS OF USE**
[54] **ORTHESE, COMPOSANTS ASSOCIES ET PROCEDES D'UTILISATION**
[72] BEJARANO, ROBERT, US
[73] DJO, LLC, US
[85] 2019-07-03
[86] 2018-01-05 (PCT/US2018/012621)
[87] (WO2018/129344)
[30] US (62/443,572) 2017-01-06

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **MEASUREMENT METHOD, BASE STATION AND TERMINAL**
[54] **PROCEDE DE MESURE, STATION DE BASE ET TERMINAL**
[72] YANG, NING, CN
[72] XU, HUA, CA
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-04
[86] 2017-01-06 (PCT/CN2017/070483)
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[13] C
[51] **Int.Cl. B65D 90/08 (2006.01) B65D 88/06 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **MODULAR STORAGE TANK WITH SECONDARY CONTAINMENT**
[54] **CUVE DE STOCKAGE MODULAIRE AVEC CONTENANT SECONDAIRE**
[72] THIESSEN, LONNY J., CA
[73] WESTCAP AG CORP., CA
[86] (3049676)
[87] (3049676)
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[25] EN
[54] **ANTI-FUNGAL SEED COATING FORMULATIONS AND METHODS**
[54] **FORMULATIONS DE TRAITEMENT DE SEMENCES ANTIFONGIQUES, SEMENCES TRAITEES, ET PROCEDES ASSOCIES**
[72] KROLIKOWSKI, DALE ALLAN, US
[72] CROSS, DAVID, US
[72] TANG, EUGENIA, US
[73] GERMAINS SEED TECHNOLOGY, INC., US
[85] 2019-07-09
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[87] (WO2018/140458)
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[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/168 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DRUG DELIVERY DEVICES**
[54] **DISPOSITIFS MICROFLUIDIQUES D'ADMINISTRATION DE MEDICAMENT**
[72] ANAND, PJ, US
[72] SINGH, DEEP ARJUN, US
[73] ALCYONE LIFESCIENCES, INC., US
[86] (3050475)
[87] (3050475)
[22] 2012-08-01
[62] 2,843,587
[30] US (61/513,948) 2011-08-01
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[51] **Int.Cl. B01J 37/00 (2006.01)**
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[54] **CATALYSTS FOR THE DEHYDRATION OF HYDROXYPROPIONIC ACID AND ITS DERIVATIVES**
[54] **CATALYSEURS DE DESHYDRATATION D'ACIDE HYDROXYPROPIONIQUE ET DE SES DERIVES**
[72] VELASQUEZ, JUAN ESTEBAN, US
[72] COLLIAS, DIMITRIS IOANNIS, US
[72] GODLEWSKI, JANE ELLEN, US
[72] WIREKO, FRED CHRISTIAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **PLASTIC CONTAINERS, BASE CONFIGURATIONS FOR PLASTIC CONTAINERS, AND SYSTEMS, METHODS, AND BASE MOLDS THEREOF**
[54] **RECIPIENTS EN PLASTIQUE, CONFIGURATIONS DE BASE POUR RECIPIENTS EN PLASTIQUE ET SYSTEMES, PROCEDES ET MOULES DE BASE ASSOCIES**
[72] BYSICK, SCOTT E., US
[72] WURSTER, MICHAEL P., US
[73] GRAHAM PACKAGING COMPANY, L.P., US
[86] (3050747)
[87] (3050747)
[22] 2012-08-10
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[51] **Int.Cl. C10G 1/04 (2006.01) B01D 21/00 (2006.01) B03B 9/02 (2006.01)**
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[54] **DISTRIBUTOR CONSTRUCTIONS AND TECHNIQUES FOR SEPARATING A VOLATILE SOLVENT FROM TAILINGS**
[54] **CONSTRUCTIONS DE DISTRIBUTEUR ET TECHNIQUES DE SEPARATION D'UN SOLVANT VOLATIL DES RESIDUS**
[72] VAN DER MERWE, SHAWN, CA
[72] SHARIATI, MOHAMMAD, CA
[72] VAKIL, ALI, CA
[72] MOYLS, BENITO, CA
[72] DEMKO, BRYAN, CA
[73] FORT HILLS ENERGY L.P., CA
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[62] 2,939,123

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[51] **Int.Cl. B61F 5/22 (2006.01)**
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[54] **CHASSIS SUSPENSION**
[54] **SUSPENSION DE CHASSIS**
[72] BERTHOLD, FINGERHUT, DE
[73] HANNING & KAHL GMBH & CO KG, DE
[85] 2019-07-31
[86] 2018-02-07 (PCT/EP2018/053046)
[87] (WO2018/146131)
[30] DE (20 2017 100 649.2) 2017-02-08

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[51] **Int.Cl. C21D 8/12 (2006.01) C22C 38/00 (2006.01) H01F 1/147 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS ORIENTES**
[72] TERASHIMA, TAKASHI, JP
[72] UMADA, TAKUMI, JP
[72] WATANABE, MAKOTO, JP
[72] TAKAMIYA, TOSHITO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2019-08-05
[86] 2018-01-17 (PCT/JP2018/001270)
[87] (WO2018/150791)
[30] JP (2017-028249) 2017-02-17

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[25] EN
[54] **TORQUE SHOULDER OF A PREMIUM CONNECTION**
[54] **EPAULEMENT DE COUPLE D'UN RACCORDEMENT PREMIUM**
[72] EVANS, MERLE E., US
[72] VAN WITTENBERGHE, JEROEN STIJN JULIAAN, BE
[73] ARCELORMITTAL TUBULAR PRODUCTS LUXEMBOURG S.A., LU
[85] 2019-08-16
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[87] (WO2018/158707)
[30] US (15/449,350) 2017-03-03
[30] US (15/634,558) 2017-06-27

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[25] EN
[54] **PULLEY STRUCTURE**
[54] **STRUCTURE DE POULIE**
[72] SHIMAMURA, HAYATO, JP
[72] IMAI, KATSUYA, JP
[72] DAN, RYOSUKE, JP
[72] MORIMOTO, TAKASHI, JP
[73] MITSUBOSHI BELTING LTD., JP
[85] 2019-09-09
[86] 2018-04-17 (PCT/JP2018/015921)
[87] (WO2018/194075)
[30] JP (2017-082495) 2017-04-19
[30] JP (2018-070956) 2018-04-02

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[13] C
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/505 (2006.01) A61K 31/517 (2006.01)**
[25] EN
[54] **MULTIKINASE INHIBITORS OF VEGF AND TGF BETA AND USES THEREOF**
[54] **INHIBITEURS MULTIKINASES DU VEGF ET DU TGF-BETA ET UTILISATIONS ASSOCIEES**
[72] TANG-LIU, DIANE, US
[72] DEVRIES, GERALD WOODROW, US
[73] AIVIVA BIOPHARMA, INC., US
[85] 2019-08-12
[86] 2018-02-12 (PCT/US2018/017810)
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[30] US (62/457,929) 2017-02-12

[11] **3,060,329**
[13] C
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[25] EN
[54] **METHOD FOR PRODUCING A THERMOPLASTIC COMBINATION FILM**
[54] **PROCEDE DE FABRICATION D'UN FILM COMBINE THERMOPLASTIQUE**
[72] ARNDT, MARTIN, DE
[72] CAPPUCCILLI, MICHELE, DE
[72] VON AVENARIUS, WOLFGANG, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-10-17
[86] 2018-04-18 (PCT/EP2018/059805)
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[30] EP (17170606.2) 2017-05-11

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[13] C
[51] **Int.Cl. A61B 5/398 (2021.01) A61B 3/10 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **USE OF ELECTRORETINOGRAPHY (ERG) FOR THE ASSESSMENT OF PSYCHIATRIC DISORDERS**
[54] **UTILISATION DE L'ELECTRORETINOGRAPHIE (ERG) POUR L'EVALUATION DE TROUBLES PSYCHIATRIQUES**
[72] HEBERT, MARC, CA
[72] MAZIADE, MICHEL, CA
[72] MERETTE, CHANTAL, CA
[73] UNIVERSITE LAVAL, CA
[86] (3060726)
[87] (3060726)
[22] 2014-03-13
[62] 2,905,202
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[13] C
[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/437 (2006.01) A61K 31/438 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **INDOLIZINE DERIVATIVES AND THEIR APPLICATION IN MEDICINE**
[54] **DERIVES D'INDOLIZINE ET LEUR APPLICATION EN MEDECINE**
[72] LIU, DONG, CN
[72] CHEN, DONGDONG, CN
[72] DENG, BIAO, CN
[72] TU, XIANGYUN, CN
[72] FANG, ZINAN, CN
[72] WU, HAOHAO, CN
[72] GU, DANYAN, CN
[73] KIND PHARMACEUTICAL, CN
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[87] (WO2018/205928)
[30] CN (201710322377.2) 2017-05-09

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[54] **POMPE ENTIEREMENT PLASTIQUE RESISTANTE A L'EAU**
[72] ARMINAK, ARMIN, US
[73] ARMINAK, ARMIN, US
[85] 2019-12-11
[86] 2019-01-30 (PCT/US2019/015906)
[87] (WO2020/046413)
[30] US (62/724,491) 2018-08-29
[30] US (16/225,842) 2018-12-19

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[13] C
[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 16/90 (2019.01)**
[25] EN
[54] **HIGHLY SCALABLE EVENT BROKERING AND AUDIT TRACEABILITY SYSTEM**
[54] **COURTAGE D'EVENEMENT HAUTEMENT EVOLUTIF ET SYSTEME DE TRACABILITE D'AUDIT**
[72] COCHRAN, STEVE, US
[72] EL-SEBAALY, HATEM, US
[72] WILSON, GREG, US
[72] KNUTH, PAUL, US
[72] MALONEY, CHAD, US
[73] GLOBAL HEALTHCARE EXCHANGE, LLC, US
[86] (3065692)
[87] (3065692)
[22] 2017-10-11
[62] 3,047,069
[30] US (15/377,798) 2016-12-13

[11] **3,066,121**
[13] C
[51] **Int.Cl. G03G 15/08 (2006.01)**
[25] EN
[54] **POWDER CONTAINER AND IMAGE FORMING APPARATUS**
[54] **RECIPIENT A POUDRE ET APPAREIL DE FORMATION D'IMAGE**
[72] HOSOKAWA, HIROSHI, JP
[72] KAI, TSUKURU, JP
[72] MATSUMOTO, JUNICHI, JP
[72] KOMATSU, MAKOTO, JP
[72] HAYAKAWA, TADASHI, JP
[72] OZAWA, YUZURU, JP
[72] TAMAKI, SHINJI, JP
[72] KIKUCHI, KENJI, JP
[73] RICOH COMPANY, LIMITED, JP
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[54] **SYSTEME UNICOMPARTIMENTAL PARTIEL POUR REMPLACEMENT DE GENOU PARTIEL**
[72] NOCCO, EMANUELE, US
[72] LINDER-GANZ, ERAN, IL
[73] ACTIVE IMPLANTS LLC, US
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[54] **NEEDLE SHIELDING ASSEMBLIES AND INFUSION DEVICES FOR USE THEREWITH**
[54] **ENSEMBLES DE PROTECTION D'AIGUILLE ET DISPOSITIFS DE PERFUSION A UTILISER AVEC CEUX-CI**
[72] SONDEREGGER, RALPH, US
[72] POLITIS, VICTOR, US
[72] RICHARDS, STEPHEN, US
[72] SEARLE, GARY, US
[72] BENE, ERIC, US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT**
[72] GRIBBLE, DAVID H., CA
[72] DEVEAU, JAMES A., CA
[73] GRIBBLE, DAVID H., CA
[73] DEVEAU, JAMES A., CA
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[25] FR
[54] **EXIT PIVOT FOR CARDIAC PUMP WITH MAGNETIC COUPLING**
[54] **PIVOT DE SORTIE POUR POMPE CARDIAQUE A COUPLAGE MAGNETIQUE**
[72] HADDADI, MOHAMMAD, FR
[72] GARRIGUE, STEPHANE, FR
[72] HADDADI, MARYAM, FR
[72] MASCARELL, ARNAUD, FR
[73] FINEHEART, FR
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[54] **HAPTENS, HAPTEN CONJUGATES, COMPOSITIONS THEREOF AND METHOD FOR THEIR PREPARATION AND USE**
[54] **HAPTENES, CONJUGUES D'HAPTENES, COMPOSITIONS ASSOCIEES ET METHODE DE PREPARATION ET UTILISATION ASSOCIEES**
[72] KOSMEDER, JERRY W., US
[72] LEFEVER, MARK, US
[72] JOHNSON, DONALD, US
[72] FARRELL, MICHAEL, US
[72] ZHILINA, ZHANNA, US
[72] BIENIARZ, CHRISTOPHER, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
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[54] **PROGRAMMABLE LOGIC SWITCH AND SYSTEM**
[54] **COMMUTATEUR LOGIQUE PROGRAMMABLE ET SYSTEME**
[72] GUERCI, MASSIMO, IT
[73] GUERCI, MASSIMO, IT
[85] 2020-01-15
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[54] **LIQUID CONSUMPTION APPARATUS AND LIQUID CONSUMPTION SYSTEM**
[54] **APPAREIL ET SYSTEME A CONSOMMATION DE LIQUIDE**
[72] KOBAYASHI, AKIHITO, JP
[72] ISHIBE, AKINARI, JP
[72] TANABE, YUMA, JP
[72] HAYASHI, MASAHIRO, JP
[72] SATO, MASATAKE, JP
[72] OSAKABE, YOSHINORI, JP
[72] TAKAHASHI, HIROAKI, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2020-01-27
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[54] **TARGET-ASSOCIATED MOLECULES FOR CHARACTERIZATION ASSOCIATED WITH BIOLOGICAL TARGETS**
[54] **MOLECULES ASSOCIEES A UNE CIBLE POUR UNE CARACTERISATION ASSOCIEE A DES CIBLES BIOLOGIQUES**
[72] TSAO, DAVID, US
[72] ATAY, OGUZHAN, US
[73] BILLIONTOONE, INC., US
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045394)
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[54] **APPARATUS THAT ENABLES NON-PENETRATING SEX**
[54] **APPAREIL QUI PERMET UNE ACTIVITE SEXUELLE SANS PENETRATION**
[72] RHODES, JAMES, US
[73] RHODES, JAMES, US
[85] 2020-02-18
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[54] **DISC BRAKE ROTOR ASSEMBLY**
[54] **ENSEMBLE ROTOR DE FREIN A DISQUE**
[72] BURRIS, JAREN WILEY RICHARD, US
[72] DUNNA, PAVAN KUMAR, US
[72] DEMENKO, NAZAR VENTAMINOVICH, US
[72] JOHNSON, DARREN KIRK, US
[72] HARRINGTON, JONATHAN DAVID, US
[72] MANN, KEITH DARRAN, US
[72] EDWARDS, WILLIAM JOSEPH, US
[73] CONSOLIDATED METCO, INC., US
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[54] **METHODS FOR PERFORMING TASKS IN A TANK CONTAINING HAZARDOUS SUBSTANCES**
[54] **PROCEDES DE CONDUITE DE TACHES DANS UN RESERVOIR CONTENANT DES SUBSTANCES DANGEREUSES**
[72] MEYERS, JOHN W., US
[72] DAILY, JOSEPH A., US
[72] CHEUVRONT, DAVID L., US
[72] LOVELACE, JAMES TODD, US
[72] GILLORY, RONALD, US
[72] CASSIMATIS, DAVID JOHN, US
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[54] **STEEL FOR COILED TUBING WITH LOW YIELD RATIO AND ULTRA-HIGH STRENGTH AND PREPARATION METHOD THEREOF**
[54] **ACIER POUR TUBE SPIRALE A FAIBLE RAPPORT D'ELASTICITE ET ULTRA-HAUTE RESISTANCE ET PROCEDE DE PREPARATION ASSOCIE**
[72] ZHANG, CHUANGUO, CN
[72] SUN, LEILEI, CN
[72] ZHENG, LEI, CN
[72] PANG, HOUJUN, CN
[72] LIU, JIAN, CN
[72] ZHANG, YONG, CN
[72] XU, GUODONG, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
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[54] **ELECTRICAL COOKING APPLIANCE HAVING AN DRAINING SUPPORT WITH A LID**
[54] **APPAREIL ELECTRIQUE DE CUISSON COMPORTANT UN SUPPORT DE VIDANGE AVEC COUVERCLE**
[72] DIRAND, PASCAL, FR
[72] SARTOUT, PIERRE, FR
[72] SEURAT, FREDERIC, FR
[73] SEB S.A., FR
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[54] **BRULEUR DE CUISSON ET PROCEDE DE TORREFACTION**
[72] HIRAGA, HIDEKI, JP
[73] NANOHANA COMMERCIAL CO., LTD., JP
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[54] **AUTONOMOUS OR SEMI-AUTONOMOUS COMPONENT TRANSPORT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AUTONOMES OU SEMI-AUTONOMES DE TRANSPORT DE COMPOSANTS**
[72] KILIBARDA, VELIBOR, US
[72] DUGAS, MICHAEL R., US
[72] ZHOU, LEI, US
[72] TAPPO, FREDDIE, US
[72] TAYLOR, TRACY, US
[72] SENIC, RADOMIR, US
[73] COMAU LLC, US
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[25] FR
[54] **IRON-BASED NUTRITIVE COMPOSITION**
[54] **COMPOSITION NUTRITIVE A BASE DE FER**
[72] CAPPELLE, PHILIPPE JACQUES MYRIAM, BE
[72] VERHELST, KURT THIERRY S., BE
[73] PRAYON, BE
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[25] EN
[54] **SYSTEM FOR MAPPING BUILDING INTERIOR WITH PDR AND RANGING AND RELATED METHODS**
[54] **SYSTEME DE CARTOGRAPHIE DE L`INTERIEUR D`UN BATIMENT AVEC NAVIGATION A L`ESTIME POUR PIETON ET TELEMETRIE ET PROCEDES CONNEXES**
[72] LAYNE, DENNIS, US
[72] CARLSON, BRIAN R., US
[72] THIESSEN, ALAN D., US
[73] EAGLE TECHNOLOGY, LLC, US
[86] (3081293)
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[54] **ANTI-CONTAMINATION AGENT COMPOSITION**
[54] **COMPOSITION D'AGENT ANTI-CONTAMINATION**
[72] SEKIYA, HIROSHI, JP
[72] YUSA, KAZUYUKI, JP
[73] MAINTECH CO., LTD., JP
[85] 2020-05-26
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[54] **PINCE A FOURCHONS POUR MACHINE A SODAS**
[72] COHEN, AVI, IL
[72] HARDUFF, HAGAI, IL
[72] KROM, DORON, IL
[72] RING, ALLAN, IL
[72] AVIDOR, AMIT, IL
[73] SODASTREAM INDUSTRIES LTD., IL
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[51] **Int.Cl. E21B 7/20 (2006.01) F24T 10/15 (2018.01) F16L 1/032 (2006.01) F16L 1/06 (2006.01)**
[25] EN
[54] **GEOTHERMAL FLEXIBLE CONDUIT LOOP SINGLE PASS INSTALLATION SYSTEM FOR DENSE SOILS AND ROCK**
[54] **SYSTEME D'INSTALLATION A PASSE SIMPLE A BOUCLE DE CONDUIT FLEXIBLE GEOTHERMIQUE POUR SOLS ET ROCHE DENSES**
[72] DESMEULES, ALAIN, CA
[73] DESANTIS, BROOKE ERIN, CA
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[25] EN
[54] **MULTI-ACCESS DISTRIBUTED EDGE SECURITY IN MOBILE NETWORKS**
[54] **SECURITE DE LA PERIPHERIE DISTRIBUEE A ACCES MULTIPLES DANS DES RESEAUX MOBILES**
[72] VERMA, SACHIN, US
[72] BURAKOVSKY, LEONID, US
[73] PALO ALTO NETWORKS, INC., US
[85] 2020-07-13
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[87] (WO2020/198157)
[30] US (16/368,759) 2019-03-28

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[25] EN
[54] **STRUCTURE SUPPORTED CONTAINMENT DIKE**
[54] **DIGUE DE CONFINEMENT SUPPORTEE PAR UNE STRUCTURE**
[72] VICKERS, PAUL, CA
[73] P.V. FLOOD CONTROL CORP., CA
[85] 2020-07-28
[86] 2019-01-24 (PCT/US2019/015037)
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[51] **Int.Cl. E04C 3/00 (2006.01) E04C 3/12 (2006.01) E04C 3/30 (2006.01)**
[25] EN
[54] **A COMPOSITE REINFORCED WOOD STUD FOR RESIDENTIAL AND COMMERCIAL BUILDINGS**
[54] **POTEAU DE BOIS RENFORCE PAR COMPOSITE POUR DES BATIMENTS RESIDENTIELS ET COMMERCIAUX**
[72] IVERSON, BRIAN, US
[73] ROOSEVELT ENERGY, INC., US
[86] (3090610)
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[22] 2020-08-20
[30] US (16/553,937) 2019-08-28

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[51] **Int.Cl. A61M 39/12 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **NEEDLELESS CONNECTOR LOOSENING DEVICE**
[54] **DISPOSITIF DE DEVISSAGE DE CONNECTEUR SANS AIGUILLE**
[72] CHIANG, TE CHIH, CA
[73] CHIANG, TE CHIH, CA
[85] 2020-09-24
[86] 2020-02-04 (PCT/CA2020/050132)
[87] (WO2020/160650)
[30] US (62/801,564) 2019-02-05

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[51] **Int.Cl. B28D 1/00 (2006.01) E04B 1/38 (2006.01) F16B 13/14 (2006.01) F16B 25/00 (2006.01) F16B 33/06 (2006.01) F16B 39/22 (2006.01)**
[25] EN
[54] **SCREW-TYPE FASTENER FOR CONCRETE AND HURRICANE RESISTANCE APPLICATIONS**
[54] **DISPOSITIF DE FIXATION DE TYPE VIS POUR DES APPLICATIONS DE BETON ET DE RESISTANCE AUX OURAGANS**
[72] LAJEWARDI, FARHAD, US
[73] THE HILLMAN GROUP, INC., US
[85] 2020-09-30
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[87] (WO2019/199430)
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[25] EN
[54] **CANNABIS TRICHOME SEPARATION USING CHILLED WATER**
[54] **SEPARATION DES TRICHOMES DU CANNABIS A L'AIDE D'EAU REFROIDIE**
[72] PAL, KRUPAL DEVENDRA, CA
[72] ULANOWSKI, THOMAS ADAM, CA
[72] KO, RYAN DELMORAL, CA
[72] CASSELMAN, IVAN, CA
[73] NEXTLEAF SOLUTIONS LTD., CA
[85] 2020-08-20
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[13] C
[51] **Int.Cl. B66B 7/06 (2006.01) B66B 7/10 (2006.01) B66B 15/08 (2006.01)**
[25] EN
[54] **TENSION BALANCE SYSTEM AND METHOD FOR STEEL WIRE ROPES ON FRICTION HOISTING DRIVING END OF ULTRA-DEEP WELL**
[54] **SYSTEME ET METHODE D'EQUILIBRAGE DE TENSION POUR DES CABLES DE FIL D'ACIER SUR UNE EXTREMITE DE LEVAGE A FRICTION D'UN PUITS ULTRA-PROFOND**
[72] ZHU, ZHENCAI, CN
[72] CAO, GUOHUA, CN
[72] ZHOU, GONGBO, CN
[72] TANG, YU, CN
[72] JIANG, FAN, CN
[72] PENG, YUXING, CN
[72] SHEN, GANG, CN
[72] LU, HAO, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2020-10-22
[86] 2019-09-12 (PCT/CN2019/105545)
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[51] **Int.Cl. B02C 17/00 (2006.01) B02C 25/00 (2006.01)**
[25] EN
[54] **GRINDING MEDIA, SYSTEM AND METHOD FOR OPTIMISING COMMINUTION CIRCUIT**
[54] **CORPS BROYANT, SYSTEME ET PROCEDE D'OPTIMISATION DE CIRCUIT DE COMMINUTION**
[72] SHELLEY, PAUL, AU
[72] MULLHOLLAND, JOHN, AU
[72] HAMILTON, IAN, AU
[73] MOLY-COP USA LLC, US
[85] 2020-10-26
[86] 2019-04-26 (PCT/AU2019/050376)
[87] (WO2019/204882)
[30] AU (2018901388) 2018-04-26

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[51] **Int.Cl. A01K 15/04 (2006.01)**
[25] EN
[54] **DEMOUNTABLE ALLEY STOP FOR LIVESTOCK PROCESSING ALLEYS**
[54] **ARRET DE COULOIR AMOVIBLE POUR DES COULOIRS DE TRAITEMENT DE BETAIL**
[72] NESTER, JACK, CA
[73] NESTER LIVESTOCK EQUIPMENT LTD., CA
[86] (3098851)
[87] (3098851)
[22] 2020-11-12

[11] **3,099,161**
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[51] **Int.Cl. E02D 27/00 (2006.01) E02D 27/01 (2006.01) E02D 27/08 (2006.01)**
[25] EN
[54] **CONCRETE FOUNDATION STRUCTURE AND METHOD FOR CONSTRUCTING SAME**
[54] **STRUCTURE DE FONDATION EN BETON ET PROCEDE DE CONSTRUCTION ASSOCIE**
[72] FUNAKOSHI, YUMIKO, JP
[72] NAGAYAMA, YU, JP
[73] PREX CO., LTD, JP
[85] 2020-11-02
[86] 2019-12-17 (PCT/JP2019/049486)
[87] (WO2020/202658)
[30] JP (2019-070944) 2019-04-02

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[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **METHOD AND DEVICE FOR REJECTING RECEIPT OF CERTIFICATE**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE REJETER LA RECEPTION D'UN CERTIFICAT**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3102796)
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[22] 2015-07-21
[62] 2,994,577

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[51] **Int.Cl. A23L 19/00 (2016.01) A23B 7/05 (2006.01)**
[25] EN
[54] **FROZEN STRAWBERRY AND METHOD FOR PRODUCING THE SAME**
[54] **FRAISE CONGELEE ET METHODE DE PRODUCTION**
[72] MIYOSHI, TORU, JP
[73] AOHATA CORPORATION, JP
[85] 2021-01-13
[86] 2020-04-02 (PCT/JP2020/015144)
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[30] JP (2019-083283) 2019-04-24

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[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **DILUTION TAGGING FOR QUANTIFICATION OF BIOLOGICAL TARGETS**
[54] **MARQUAGE PAR DILUTION POUR LA QUANTIFICATION DE CIBLES BIOLOGIQUES**
[72] TSAO, DAVID, US
[72] YE, PATRICK, US
[72] SILAS, SUKRIT, US
[72] ATAY, OGUZHAN, US
[73] BILLIONTOONE, INC., US
[85] 2021-02-03
[86] 2019-08-06 (PCT/US2019/045331)
[87] (WO2020/033425)
[30] US (62/715,175) 2018-08-06

[11] **3,110,244**
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[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/024 (2006.01) A61B 5/08 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DERIVING BIOMETRIC INFORMATION USING MULTIPLE-AXIS SEISMOCARDIOGRAPHY**
[54] **PROCEDE ET APPAREIL POUR DERIVER DES INFORMATIONS BIOMETRIQUES A L'AIDE D'UNE SISMOCARDIOGRAPHIE A AXES MULTIPLES**
[72] D'MELLO, YANNICK, CA
[72] ROCHE, PHILIP J.R., CA
[72] LORTIE, MICHEL A., CA
[73] MACDONALD, DETTWILER AND ASSOCIATES INC., CA
[85] 2021-02-19
[86] 2018-08-20 (PCT/CA2018/051006)
[87] (WO2020/037391)

[11] **3,112,229**
[13] C
[51] **Int.Cl. E21B 17/00 (2006.01) F16L 57/00 (2006.01)**
[25] EN
[54] **PROTECTIVE DEVICE FOR A MALE END PORTION OF A STEEL TUBE INTENDED FOR USE IN A TUBULAR HYDROCARBON WORKING STRING**
[54] **DISPOSITIF PROTECTEUR POUR UNE PARTIE D'EXTREMITE MALE D'UN TUBE EN ACIER DESTINE A ETRE UTILISE DANS UNE CHAINE DE TRAVAIL TUBULAIRE D'HYDROCARBURES**
[72] BRODIE, ALASTAIR JOHN, FR
[72] VAN WESEMAEL, ALEXIS, FR
[73] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2021-03-09
[86] 2019-10-01 (PCT/EP2019/076655)
[87] (WO2020/070165)
[30] EP (18198314.9) 2018-10-02

[11] **3,112,259**
[13] C
[51] **Int.Cl. G01S 13/89 (2006.01) G01S 17/89 (2020.01)**
[25] EN
[54] **INDOOR SURVEYING APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE RELEVE INTERNE**
[72] LIKHOLYOT, ALEXANDER, CA
[73] PLANITAR INC., CA
[85] 2021-03-04
[86] 2020-05-26 (PCT/CA2020/050714)
[87] (3112259)

[11] **3,115,396**
[13] C
[51] **Int.Cl. E01B 27/02 (2006.01)**
[25] EN
[54] **METHOD FOR BUILDING A NEW BALLASTWAY FOR A RAIL LINE**
[54] **METHODE DE CONSTRUCTION D'UNE NOUVELLE VOIE BALLASTEE POUR UNE LIGNE DE CHEMIN DE FER**
[72] ZURCHER, RALF, DE
[73] ZURCHER HOLDING GMBH, DE
[85] 2021-04-06
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[51] **Int.Cl. F16K 15/04 (2006.01) E21B 34/08 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **ZERO RESTRICTION BALL VALVE INSERT, ONE-PIECE CAGE AND ASSEMBLY**
[54] **INSERT DE ROBINET A TOURNANT SPHERIQUE SANS RESTRICTION, CAGE A PIECE UNIQUE ET ENSEMBLE**
[72] SAMAYAMANTULA, JYOTHI SWAROOP, US
[71] SAMAYAMANTULA, JYOTHI SWAROOP, US
[22] 2020-02-29
[41] 2021-08-29

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[21] **3,074,138**
[13] A1
[51] **Int.Cl. F24H 9/20 (2006.01) F24D 3/08 (2006.01) F24D 19/10 (2006.01) F24H 1/08 (2006.01) F24H 1/52 (2006.01)**
[25] EN
[54] **IMPROVED CONTROL SYSTEM FOR HYDRONIC HEATER AND METHOD OF OPERATING SAME**
[54] **SYSTEME DE COMMANDE AMELIORE POUR UN RADIATEUR HYDRONIQUE ET METHODE D`EXPLOITATION**
[72] KIAROSTAMI, NADER, CA
[72] AKHOUNDSADEGH, FARZIN, CA
[71] INTERNATIONAL THERMAL INVESTMENTS LTD., CA
[22] 2020-02-29
[41] 2021-08-29

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[21] **3,074,147**
[13] A1
[51] **Int.Cl. G06Q 50/14 (2012.01) G06F 16/70 (2019.01) G06F 16/95 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **TRAVELCAP: A PRODUCT IDEA/CONCEPT THAT LEVERAGES MOVIES, TV SERIES AND STREAMING APPS/SITES BETTER TO EMPOWER TRAVEL INDUSTRY**
[54] **TRAVELCAP : UNE IDEE OU UN CONCEPT DE PRODUIT TIRANT MIEUX PARTI DES FILMS, DES SERIES TELEVISEES ET DES SITES ET APPLICATIONS DE DIFFUSION POUR HABILITER L`INDUSTRIE DES VOYAGES**
[72] RANGANATHAN, VIJAYASARATHY, CA
[71] RANGANATHAN, VIJAYASARATHY, CA
[22] 2020-03-01
[41] 2021-09-01

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[21] **3,074,158**
[13] A1
[51] **Int.Cl. G07D 9/06 (2006.01) G07D 1/00 (2006.01)**
[25] EN
[54] **PRESSURE APPLIED CASING FOR COINS**
[54] **BOITIER A PRESSION APPLIQUEE POUR JETONS**
[72] CHIU, BENJAMIN, CA
[71] CHIU, BENJAMIN, CA
[22] 2020-02-29
[41] 2021-08-29

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[21] **3,074,269**
[13] A1
[51] **Int.Cl. A61K 8/97 (2017.01) A61K 8/02 (2006.01) A61K 8/73 (2006.01) A61Q 5/00 (2006.01)**
[25] EN
[54] **HAIR CARE SOLID GRANULES THAT SUSTAIN ESSENTIAL OILS AND OR PLANT HERBAL EXTRACTIONS THAT EMULSIFY IN WATER CREATING THERAPEUTIC SOLUTION**
[54] **GRANULES SOLIDES DE SOIN DES CHEVEUX QUI ENTRETIENNENT LES HUILES ESSENTIELLES ET/OU LES EXTRAITS DE PLANTES EMULSIONNANT DANS L`EAU POUR CREER UNE SOLUTION THERAPEUTIQUE**
[72] MCCOY, SARAH, US
[71] MCCOY, SARAH, US
[22] 2020-03-02
[41] 2021-09-02

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[21] **3,074,272**
[13] A1
[51] **Int.Cl. G09F 3/02 (2006.01) A62B 9/00 (2006.01)**
[25] EN
[54] **MECHANISM OF BREATHING APPARATUS USER IDENTIFICATION**
[54] **MECANISME D`IDENTIFICATION DE L`UTILISATEUR D`UN APPAREIL RESPIRATOIRE**
[72] BOULAN, CHRISTIAN, US
[71] BOULAN, CHRISTIAN, US
[22] 2020-03-02
[41] 2021-09-02

[21] **3,074,274**
[13] A1
[51] **Int.Cl. A47L 13/16 (2006.01) A47L 1/15 (2006.01) A47L 17/04 (2006.01)**
[25] EN
[54] **A ABRASIVE CLEANING TOOL MECHANICALLY BONDED TO ANY MAN MADE FABRIC METAL OR PLASTIC SURFACE**
[54] **OUTIL DE NETTOYAGE ABRASIF LIE MECANIQUEMENT A N`IMPORTE QUELLE SURFACE DE TISSU, DE METAL OU DE PLASTIQUE DE FABRICATION HUMAINE**
[72] RINGAS, ZACHARIAS, CA
[71] RINGAS, ZACHARIAS, CA
[22] 2020-03-02
[41] 2021-09-02

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[21] **3,074,277**
[13] A1
[51] **Int.Cl. B63C 9/22 (2006.01)**
[25] FR
[54] **RETAINER WITH REMOTE-CONTROLLED RELEASE FOR A LIFEBUOY**
[54] **DISPOSITIF DE RETENUE A LIBERATION TELECOMMANDEE POUR UN ANNEAU DE SAUVETAGE**
[72] MONDOU, DANIEL, CA
[71] MONDOU, DANIEL, CA
[22] 2020-03-02
[41] 2021-09-02

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[21] **3,074,281**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 20/18 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **AN EVENT ADMINISTRATION SYSTEM**
[54] **SYSTEME D`ADMINISTRATION D`EVENEMENT**
[72] ST. ARNAUD, AMIE, CA
[71] ST. ARNAUD, AMIE, CA
[22] 2020-03-02
[41] 2021-09-02

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[21] **3,074,314**
[13] A1
[51] **Int.Cl. G09F 3/02 (2006.01) A23L 35/00 (2016.01) A47G 29/30 (2006.01)**
[25] EN
[54] **REMOVEABLE ALLERGY MARKER**
[54] **MARQUEUR D`ALLERGIE AMOVIBLE**
[72] JESSIMAN, STACEY, CA
[72] THORNE, ALLISON AMY, CA
[71] JESSIMAN, STACEY, CA
[71] THORNE, ALLISON AMY, CA
[22] 2020-03-03
[41] 2021-09-03

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[21] **3,074,373**
[13] A1
[51] **Int.Cl. F16H 21/16 (2006.01) F16H 1/28 (2006.01)**
[25] EN
[54] **EDEN LEVER MOTOR(ELM)**
[54] **MOTEUR A LEVIER D`EDEN**
[72] WOODS, TIMOTHY J., CA
[71] WOODS, TIMOTHY J., CA
[22] 2020-03-02
[41] 2021-09-02

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[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) F24F 11/56 (2018.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AN ENVIRONMENT BASED ON A CHANGE OF ENVIRONMENTAL CONTEXT**
[54] **SYSTEMES ET METHODES POUR CONTROLER UN ENVIRONNEMENT EN FONCTION D`UN CHANGEMENT DU CONTEXTE ENVIRONNEMENTAL**
[72] MARTIN, KEAVEN, CA
[72] MEUNIER-BERNARD, SHAN, CA
[71] EVEY INNOVATION INC., CA
[22] 2020-03-04
[41] 2021-09-04

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[21] **3,074,446**
[13] A1
[51] **Int.Cl. A63B 29/00 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **QUICKDRAW COVERS**
[54] **DEGAINES**
[72] PITURA, CATHERINE, CA
[71] PITURA, CATHERINE, CA
[22] 2020-03-03
[41] 2021-09-03

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[21] **3,074,534**
[13] A1
[51] **Int.Cl. B60L 7/18 (2006.01)**
[25] EN
[54] **METHOD OF DYNAMIC SPEED MODULATION IN EXTENDED BRAKING APPLICATIONS IN ELECTRIC VEHICLES**
[54] **METHODE DE MODULATION DE VITESSE DYNAMIQUE DANS DES APPLICATIONS DE FREINAGE PROLONGE DE VEHICULES ELECTRIQUES**
[72] COTE, DAVE, CA
[72] CHAHLEY, CHRIS, CA
[72] HUGHES, WILLIAM, CA
[71] PRAIRIE MACHINE & PARTS MFG. - PARTNERSHIP, CA
[22] 2020-03-04
[41] 2021-09-04

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[21] **3,074,535**
[13] A1
[51] **Int.Cl. A01K 27/00 (2006.01) A01K 23/00 (2006.01) A01K 29/00 (2006.01) B65D 83/00 (2006.01) E01H 1/12 (2006.01)**
[25] EN
[54] **PET WALKING ORGANISATIONAL DEVICE**
[54] **DISPOSITIF D`ORGANISATION POUR LA MARCHE D`ANIMAUX DE COMPAGNIE**
[72] BENOCHE, MATTHEW, CA
[71] BENOCHE, MATTHEW, CA
[22] 2020-03-03
[41] 2021-09-03

[21] **3,074,538**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR ADJUSTING LEVEL OF GALANIN IN BRAIN BY OPTIC NERVE LIGHT CONDUCTION**
[54] **METHODE POUR AJUSTER LE NIVEAU DE GALANINE DANS LE CERVEAU AU MOYEN DE LA CONDUCTION LUMINEUSE DES NERFS OPTIQUES**
[72] LI, TONG, CN
[72] WANG, XIAOGANG, CA
[71] LI, TONG, CN
[22] 2020-03-04
[41] 2021-09-04

[21] **3,074,541**
[13] A1
[51] **Int.Cl. A61K 31/5375 (2006.01) A61K 31/137 (2006.01) A61K 47/22 (2006.01) A61K 47/38 (2006.01) A61K 47/42 (2017.01) A61P 3/04 (2006.01)**
[25] EN
[54] **APPETITE SUPPRESSANT COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS DE SUPPRESSION DE L`APPETIT ET METHODES CONNEXES**
[72] BENTZ, SUZANNE, US
[71] RED MOUNTAIN HOLDINGS, LLC, US
[22] 2020-03-03
[41] 2021-09-03

[21] **3,074,544**
[13] A1
[51] **Int.Cl. B64C 30/00 (2006.01)**
[25] EN
[54] **HIGH SUPERSONIC F-39, CY-39 & CYCLONE SERIES FIGHTERS AERONAUTICS ENGINEERING DESIGN & MAIN CONTROLLING FUNCTIONAL EQUIPEMENTS**
[54] **CONCEPTION DE GENIE AERONAUTIQUE DE CHASSEUR DE SERIES F-39, CY-39 ET CYCLONE SUPERSONIQUE ELEVE ET EQUIPEMENTS FONCTIONNELS DE COMMANDE PRINCIPAUX**
[72] UNKNOWN, XX
[71] WANG, HSI-EN CYON, TW
[22] 2020-03-03
[41] 2021-09-03

[21] **3,074,625**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **CUSTOMIZED CREDIT CARD WELCOME OFFERS BASED ON TRANSACTIONAL DATA**
[54] **OFFRES D`ACCUEIL PERSONNALISEES DE CARTE DE CREDIT EN FONCTION DES DONNEES DE TRANSACTIONS**
[72] MEDEL, KIMBERLEY JANE, CA
[72] KALWANI, NEHA DIPNA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-03-04
[41] 2021-09-03
[30] US (16/807,745) 2020-03-03

[21] **3,074,912**
[13] A1
[51] **Int.Cl. G06F 8/33 (2018.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR THE CREATION AND EDITING OF SOFTWARE ASSETS WITH NATURAL LANGUAGE**
[54] **METHODE ET SYSTEME POUR LA CREATION ET LA MODIFICATION DE RESSOURCES LOGICIELS AU MOYEN D`UN LANGAGE NATUREL**
[72] WANJALA, AARON, CA
[71] WANJALA, AARON, CA
[22] 2020-03-04
[41] 2021-09-04

[21] **3,074,924**
[13] A1
[51] **Int.Cl. A61J 7/00 (2006.01) A61J 1/03 (2006.01) A61J 7/04 (2006.01)**
[25] EN
[54] **WIRELESS MEDICATION BLISTER PACK SYSTEM AND BLISTER PACK ATTACHMENT**
[54] **SYSTEME SANS FIL D`EMBALLAGE-COQUE DE MEDICAMENTS ET ACCESSOIRE D`EMBALLAGE-COQUE**
[72] BOUTHIETTE, ETIENNE, CA
[71] 9155-0020 QUEBEC INC., CA
[22] 2020-03-06
[41] 2021-09-04
[30] US (16/808.829) 2020-03-04

[21] **3,075,114**
[13] A1
[51] **Int.Cl. B62D 51/06 (2006.01)**
[25] EN
[54] **WALK-BEHIND TRACTOR WITH INCREASED GROUND CLEARANCE**
[54] **TRACTEUR POUSSE AYANT UN DEGAGEMENT AU SOL AMELIORE**
[72] STEINER, GLENN M., US
[72] BADGER, CHAD R., US
[72] ZEHR, DOUGLAS L., US
[71] TILMOR LLC, US
[22] 2020-03-11
[41] 2021-09-03
[30] US (62/846,605) 2020-03-03
[30] US (16/810,489) 2020-03-05

[21] **3,078,057**
[13] A1
[51] **Int.Cl. A61F 5/41 (2006.01)**
[25] EN
[54] **DEVICE THAT RETRACTS THE FORESKIN AND COMPRESSES THE DORSAL VEINS TO ENHANCE AND MAINTAIN AN ERECTION IN A HUMAN MALE**
[54] **DISPOSITIF TIRANT LE PREPUCE ET COMPRIMANT LES VEINES DORSALES POUR AMELIORER ET MAINTENIR L`ERECTION D`UN MALE HUMAIN**
[72] SHAW, NIGEL A., CA
[72] UNKNOWN, XX
[71] SHAW, NIGEL A., CA
[22] 2020-03-03
[41] 2021-09-03

[21] **3,082,125**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 43/26 (2006.01) E21B 47/10 (2012.01)**
[25] EN
[54] **CALCULATING ENERGY BASED NET PRESSURE AND CORRESPONDING DISCHARGE AREA OBSERVED DURING HYDRAULIC STIMULATION PROCESSES**
[54] **CALCUL DE L`ENERGIE EN FONCTION DE LA PRESSION NETTE ET LA ZONE DE DECHARGE CORRESPONDANTE OBSERVEE PENDANT DES PROCEDES DE STIMULATION HYDRAULIQUE**
[72] COX, CASEY LEE, US
[72] BORGEN, KENNETH LEE, US
[72] PADALECKI, RUSSELL JAMES, US
[72] CRAWFORD, NATHAN TAYLOR, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2020-06-05
[41] 2021-09-04
[30] US (16/809,379) 2020-03-04

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[21] **3,085,283**
[13] A1
[51] **Int.Cl. B65G 67/60 (2006.01)**
[25] EN
[54] **WATERWAY PROTECTION APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE PROTECTION DE LA VOIE NAVIGABLE**
[72] BEAUDET, GILBERT, CA
[72] BOILEAU, IVAN, CA
[72] GABOURY, MIKE, CA
[72] PERRAULT, JEAN FRANCOIS, CA
[71] COMPAGNIE D'ARRIMAGE DE QUEBEC LTEE, CA
[22] 2020-07-02
[41] 2021-09-03
[30] US (62/984.439) 2020-03-03

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[21] **3,099,575**
[13] A1
[51] **Int.Cl. G06F 8/30 (2018.01) G06F 8/10 (2018.01)**
[25] EN
[54] **AUTOMATED API CODE GENERATION**
[54] **GENERATION DE CODE D`API AUTOMATISEE**
[72] ASPRO, SALVATORE, CA
[72] WRIGHT, GEORGE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-11-18
[41] 2021-09-03
[30] US (16/808,215) 2020-03-03

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[21] **3,101,488**
[13] A1
[51] **Int.Cl. A22C 29/02 (2006.01) A22C 29/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FIXING AND TRANSPORTING CRABS DURING THE SLAUGHTER THEREOF**
[54] **APPAREIL ET METHODE POUR FIXER ET TRANSPORTER DES CRABES PENDANT LEUR ABATTAGE**
[72] SMITH, CLINTON R., US
[72] SANTORO, TYLER, US
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[22] 2020-12-03
[41] 2021-09-04
[30] US (62/984.947) 2020-03-04

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[21] **3,101,720**
[13] A1
[51] **Int.Cl. E21B 33/134 (2006.01)**
[25] EN
[54] **METAL-BASED DISSOLVABLE BALL SEAT, SETTING SYSTEM AND SETTING METHOD**
[54] **JOINT DE BILLE SOLUBLE A BASE DE METAL, SYSTEME DE POSE ET METHODE DE POSE**
[72] XUE, XIAOWEI, CN
[72] YAO, JIANGUO, CN
[72] WANG, ZHIGUO, CN
[72] REN, GUOFU, CN
[72] HU, XIANGJUN, CN
[72] GUO, SIWEN, CN
[72] ZHAO, MINQI, CN
[72] FENG, CHANGQING, CN
[72] LI, KAI, CN
[72] HUANG, PENGGANG, CN
[71] PETROCHINA COMPANY LIMITED, CN
[22] 2020-12-04
[41] 2021-09-03
[30] CN (202010138227.8) 2020-03-03

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[21] **3,102,790**
[13] A1
[51] **Int.Cl. B27K 3/32 (2006.01) B27K 5/00 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING A WOOD SUBSTRATE AND WATER-BASED WOOD TREATMENT SOLUTION AND KIT ASSOCIATED THEREWITH**
[54] **PROCEDE DE TRAITEMENT D`UN SUBSTRAT DE BOIS ET SOLUTION DE TRAITEMENT DE BOIS A BASE D`EAU ET TROUSSE CONNEXE**
[72] THIBAULT, THOMAS, CA
[72] TONG, VICTORIA, CA
[71] LES INNOVATIONS ADAPTIVA INC., CA
[22] 2020-12-16
[41] 2021-09-03
[30] US (62/984,333) 2020-03-03

[21] **3,103,816**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) H04W 84/18 (2009.01) H04N 21/84 (2011.01) H04W 4/21 (2018.01) H04W 4/80 (2018.01) G06F 16/90 (2019.01) G16Y 20/10 (2020.01) H04L 12/16 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING SUPPLEMENTARY PARAMETERS OF ELECTRONIC CONTENT**
[54] **METHODE ET APPAREIL POUR DETERMINER DES PARAMETRES SUPPLEMENTAIRES DE CONTENU ELECTRONIQUE**
[72] KUMAR, ALOK, IN
[72] HARIJAN, KUPPAPPA DANDAPPA, IN
[72] SRINIVASAN, MADHUSUDHAN, IN
[71] ROVI GUIDES, INC., US
[22] 2020-12-22
[41] 2021-09-02
[30] US (16/807069) 2020-03-02

[21] **3,104,177**
[13] A1
[51] **Int.Cl. B60R 16/023 (2006.01) E01C 19/20 (2006.01) E01H 10/00 (2006.01) G05B 99/00 (2006.01) H04L 12/40 (2006.01) F02D 45/00 (2006.01)**
[25] EN
[54] **CONTROLLER AREA NETWORK (CAN) MESSAGE SCANNER FOR A WINTER SERVICE VEHICLE, AND METHOD OF SCANNING A CAN MESSAGE**
[54] **DISPOSITIF DE BALAYAGE DE MESSAGES EN CONTROLLER AREA NETWORK (CAN) POUR VEHICULE DE SERVICE HIVERNAL ET METHODE DE BALAYAGE D`UN MESSAGE CAN**
[72] GRENIER, MARTIN, CA
[72] JOBIN, MATHIEU, CA
[71] ENGRENAGE PROVINCIAL INC., CA
[22] 2020-12-23
[41] 2021-09-04
[30] US (16/808,837) 2020-03-04

[21] **3,108,343**
[13] A1
[51] **Int.Cl. B65D 47/26 (2006.01) B65D 47/06 (2006.01) B65D 47/28 (2006.01)**
[25] EN
[54] **FOOD PRODUCT DISPENSER VALVE NORMALLY BIASED INTO CLOSED POSITION**
[54] **SOUPAPE DE DISTRIBUTION DE PRODUIT ALIMENTAIRE NORMALEMENT SOLLICITEE EN POSITION FERMEE**
[72] VERVILLE, KEVIN, US
[72] HERON, ELIZABETH, US
[71] SUMMIT PACKAGING SYSTEMS, INC., US
[22] 2021-02-08
[41] 2021-09-04
[30] US (16/808,756) 2020-03-04

[21] **3,108,594**
[13] A1
[51] **Int.Cl. F16D 3/74 (2006.01) F16D 3/12 (2006.01)**
[25] EN
[54] **FLEXIBLE FLYWHEEL COUPLING**
[54] **RACCORD DE VOLANT SOUPLE**
[72] ENGLAND, CHRISTOPHER L., US
[72] BURDESHAW, GALEN E., US
[71] ABB SCHWEIZ AG, CH
[22] 2021-02-11
[41] 2021-09-03
[30] US (16/807,831) 2020-03-03

[21] **3,108,643**
[13] A1
[51] **Int.Cl. E01D 15/127 (2006.01)**
[25] EN
[54] **ADAPTER FOR A BRIDGE ELEMENT FOR PICKING UP, TRANSPORTING AND LAYING THE BRIDGE ELEMENT BY MEANS OF A BOOM OF A VEHICLE**
[54] **ADAPTATEUR POUR UN ELEMENT DE PONT POUR RAMASSER, TRANSPORTER ET POSER L'ELEMENT DE PONT AU MOYEN DE LA FLECHE D'UN VEHICULE**
[72] WALTER, DENNIS, DE
[72] MOLLER, MICHAEL, DE
[72] KAMPER, JORG, DE
[71] FFG FLENSBURGER FAHRZEUGBAU GESELLSCHAFT MBH, DE
[22] 2021-02-11
[41] 2021-09-03
[30] DE (10 2020 105 463.7) 2020-03-03

[21] **3,108,904**
[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RETAIL PRICE OPTIMIZATION**
[54] **SYSTEME ET METHODE D`OPTIMALISATION DU PRIX DE DETAIL**
[72] SAARENVIRTA, KARI, CA
[71] DAISY INTELLIGENCE CORPORATION, CA
[22] 2021-02-10
[41] 2021-09-03
[30] US (16/807,214) 2020-03-03

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[13] A1
[51] **Int.Cl. B60K 7/00 (2006.01) B60K 1/00 (2006.01)**
[25] EN
[54] **VEHICLE WITH FRONT-WHEEL-ASSIST SYSTEM**
[54] **VEHICULE COMPORTANT UN SYSTEME D`AIDE AUX ROUES AVANT**
[72] ROPER, BRADLEY, US
[72] YABE, YOUSUKE, US
[71] KOMATSU AMERICA CORP., US
[22] 2021-02-11
[41] 2021-09-02
[30] US (17/166,582) 2021-02-03
[30] US (62/984,115) 2020-03-02

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[13] A1
[51] **Int.Cl. E02F 3/96 (2006.01) E02F 3/36 (2006.01)**
[25] EN
[54] **QUICK-CHANGE DEVICE**
[54] **DISPOSITIF A CHANGEMENT RAPIDE**
[72] KOLLMANN, MICHAEL, DE
[71] OILQUICK DEUTSCHLAND KG, DE
[22] 2021-02-09
[41] 2021-09-02
[30] DE (NO. 10 2020 105 460.2) 2020-03-02

[21] **3,109,306**
[13] A1
[51] **Int.Cl. A01M 29/06 (2011.01) A01K 37/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INSTALLING BIRD FLIGHT DIVERTERS**
[54] **METHODE ET SYSTEME POUR INSTALLER DES BARRIERES DE DEVIATION DU VOL DES OISEAUX**
[72] CLARKE, DANIEL JOHN, CA
[72] KRIVELES, ROMAS, CA
[71] FT HOLDINGS INC., CA
[22] 2021-02-18
[41] 2021-08-29
[30] US (62/983,642) 2020-02-29

[21] **3,109,780**
[13] A1
[51] **Int.Cl. B60L 53/68 (2019.01) B60L 53/67 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR MANAGEMENT OF ELECTRIC VEHICLE SUPPLY EQUIPMENT**
[54] **SYSTEME ET METHODE DE GESTION DU MATERIEL D`ALIMENTATION D`UN VEHICULE ELECTRIQUE**
[72] DARADE, NILESH, US
[72] FRASCATI, JOSEPH, US
[71] PROTERRA INC., US
[22] 2021-02-23
[41] 2021-09-02
[30] US (16/806,048) 2020-03-02

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[13] A1
[51] **Int.Cl. B61D 17/12 (2006.01) B61D 3/18 (2006.01)**
[25] EN
[54] **HOURGLASS AUTORACK CAR ROOF**
[54] **TOIT DE WAGON PORTE-AUTOMOBILES EN SABLIER**
[72] COSTON, KYLE R., US
[72] DANIELS, STEVEN E., US
[72] HUCK, KENNETH W., US
[72] MCGHEE, BRANT R., US
[72] RUNYAN, ROBERT C., US
[71] TRINITY RAIL GROUP, LLC, US
[22] 2021-02-24
[41] 2021-09-02
[30] US (16/806,277) 2020-03-02

[21] **3,109,975**
[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01)**
[25] EN
[54] **PORTABLE PET WASHING STATION**
[54] **STATION PORTATIVE POUR LA TOILETTE D`ANIMAL DE COMPAGNIE**
[72] OHANIAN, ARA, US
[71] OHANIAN, ARA, US
[22] 2021-02-22
[41] 2021-09-04
[30] US (16809286) 2020-03-04

[21] **3,110,068**
[13] A1
[51] **Int.Cl. F21S 8/04 (2006.01) F21V 21/02 (2006.01)**
[25] EN
[54] **LUMINAIRE STRUCTURE**
[54] **STRUCTURE LUMINAIRE**
[72] BELAND, STEPHANE, CA
[72] YAPHE, HOWARD, CA
[72] MILES, ANDREW, CA
[72] POURRAIN, NICOLAS, CA
[72] ABBOUD, JENNIFER, CA
[71] AXIS LIGHTING INC., CA
[22] 2021-02-23
[41] 2021-09-04
[30] US (62/985,205) 2020-03-04
[30] US (17/162,990) 2021-01-29

[21] **3,110,121**
[13] A1
[51] **Int.Cl. A61B 90/70 (2016.01) A61C 19/00 (2006.01) A61L 2/16 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PREPARING AND/OR CARING FOR A MEDICAL OR DENTAL INSTRUMENT**
[54] **METHODE ET SYSTEME POUR PREPARER ET/OU ENTRETENIR UN APPAREIL MEDICAL OU DENTAIRE**
[72] GALLUSEDER, FLORIAN, AT
[72] REITER, MICHAEL, AT
[71] W & H DENTALWERK BURMOOS GMBH, AT
[22] 2021-02-23
[41] 2021-09-02
[30] EP (20160298.4) 2020-03-02

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[13] A1
[51] **Int.Cl. A01D 34/82 (2006.01) A01D 34/67 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR A WALK-BEHIND LAWNMOWER**
[54] **ACCESSOIRE POUR UNE TONDEUSE POUSSEE**
[72] SITARZ, ROBERT, CA
[71] SITARZ, ROBERT, CA
[22] 2021-02-25
[41] 2021-09-03
[30] US (62984601) 2020-03-03

[21] **3,110,385**
[13] A1
[51] **Int.Cl. A24F 25/00 (2006.01) B67D 7/08 (2010.01) B65B 3/12 (2006.01)**
[25] EN
[54] **AUTOMATED DEPOSITION OF HIGHLY VISCOUS FLUIDS INTO THIN-WALLED CYLINDERS**
[54] **DEPOT AUTOMATISE DE FLUIDE TRES VISQUEUX DANS DES CYLINDRES A PAROI MINCE**
[72] SKAAR, PAUL, US
[72] PARTANSKY, NOHTAL, US
[71] SORTING ROBOTICS, INC., US
[22] 2021-02-25
[41] 2021-09-02
[30] US (17/180,697) 2021-02-19
[30] US (62/984,093) 2020-03-02

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[13] A1
[51] **Int.Cl. B60P 3/32 (2006.01) B60P 3/35 (2006.01) B60P 3/36 (2006.01)**
[25] EN
[54] **SINGLE-LEVEL FIFTH WHEEL TRAVEL TRAILER WITH PASS-THROUGH STORAGE COMPARTMENT**
[54] **ROULOTTE A SELLETTE A NIVEAU UNIQUE AVEC COMPARTIMENT DE RANGEMENT DE BORD EN BORD**
[72] BROWN, RONALD WESLEY, US
[71] FOREST RIVER, INC., US
[22] 2021-02-26
[41] 2021-09-02
[30] US (62/983,861) 2020-03-02
[30] US (17/185,245) 2021-02-25

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[13] A1
[51] **Int.Cl. F16K 31/64 (2006.01) F16K 1/10 (2006.01) F16K 1/52 (2006.01)**
[25] EN
[54] **THERMAL REGULATING VALVE**
[54] **SOUPAPE DE REGULATION THERMIQUE**
[72] CORDES, PAUL, DE
[71] GEBR. KEMPER GMBH + CO. KG, DE
[22] 2021-03-02
[41] 2021-09-03
[30] DE (20 2020 000 872.9) 2020-03-03

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[13] A1
[51] **Int.Cl. E01H 5/09 (2006.01) E01H 5/12 (2006.01)**
[25] EN
[54] **SNOWBLOWER**
[54] **SOUFFLEUSE A NEIGE**
[72] GIROUARD, MICHEL, CA
[71] GIROUARD, MICHEL, CA
[22] 2021-03-01
[41] 2021-09-03
[30] US (62/984,615) 2020-03-03

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[21] **3,110,784**
[13] A1
[51] **Int.Cl. B60P 7/08 (2006.01)**
[25] EN
[54] **DEVICE FOR SECURING A MATERIAL HANDLING DEVICE IN FIXED LOCATION INSIDE A TRANSPORT VEHICLE AND RELATED METHOD**
[54] **DISPOSITIF POUR FIXER EN PLACE UN DISPOSITIF DE MANUTENTION DANS UN VEHICULE DE TRANSPORT ET METHODE CONNEXE**
[72] BEDNAREK, SEAN, CA
[71] BEDNAREK, SEAN, CA
[22] 2021-03-01
[41] 2021-09-03
[30] US (62/984,617) 2020-03-03

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[13] A1
[51] **Int.Cl. A47C 17/86 (2006.01) A47B 87/00 (2006.01) A47C 4/00 (2006.01) A47C 31/00 (2006.01)**
[25] EN
[54] **LOUNGE FURNITURE WITH REMOVABLE SEAT**
[54] **MOBILIER DE SALON A SIEGE AMOVIBLE**
[72] VANG, XENG XUE, US
[72] WILLIAMS, SCOTT J., US
[72] GRIEPENTROG, DENNIS GORDON, US
[72] BOSMAN, SCOTT ANTHONY, US
[71] KRUEGER INTERNATIONAL, INC., US
[22] 2021-03-01
[41] 2021-09-02
[30] US (62/983,988) 2020-03-02
[30] US (17/172,341) 2021-02-10

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[13] A1
[51] **Int.Cl. A21C 11/00 (2006.01) A21C 5/00 (2006.01) A21C 7/00 (2006.01)**
[25] EN
[54] **SELF-ADJUSTING, ROTATABLE STABILIZED SEMI-VISCOUS MATERIAL ROUNDER BAR SEAL WITH AUTOMATIC HEIGHT ADJUSTMENT**
[54] **JOINT D`ETANCHEITE POUR BARRE DE BOULEUSE D`UN MATERIAU SEMI-VISQUEUX, AUTOREGLABLE ET STABILISE PAR ROTATION AVEC AJUSTEMENT DE LA HAUTEUR AUTOMATIQUE**
[72] SCHMIDT, NORMAN, CA
[71] SCHMIDT, NORMAN, CA
[22] 2021-03-01
[41] 2021-08-29
[30] US (62/983,665) 2020-02-29
[30] US (17188624) 2021-03-01

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[21] **3,110,806**
[13] A1
[51] **Int.Cl. F24F 11/38 (2018.01) F25B 49/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING CAUSE OF HVAC SYSTEM FAULTS**
[54] **SYSTEME ET METHODE POUR DETERMINER LA CAUSE DE DEFAILLANCES D`UN SYSTEME CVC**
[72] BRAHME, AMITA, US
[72] GOKHALE, UMESH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-03-01
[41] 2021-09-02
[30] US (16/806,305) 2020-03-02

[21] **3,110,810**
[13] A1
[51] **Int.Cl. F24F 11/38 (2018.01) F25B 49/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTINGUISHING HVAC SYSTEM FAULTS**
[54] **SYSTEME ET METHODE POUR DISTINGUER LES DEFAILLANCES D`UN SYSTEME CVC**
[72] BRAHME, AMITA, US
[72] GOKHALE, UMESH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-03-01
[41] 2021-09-02
[30] US (16/806,274) 2020-03-02

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[13] A1
[51] **Int.Cl. E05D 15/06 (2006.01) A47K 3/34 (2006.01) E06B 1/56 (2006.01) E06B 3/46 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **APPARATUSES FOR INSTALLING GLASS SHOWER DOORS**
[54] **APPAREILS POUR INSTALLER DES PORTES DE DOUCHE EN VERRE**
[72] LACASSE-VEILLEUX, CHRISTINE, CA
[72] DESAULNIERS, MARTIN, CA
[72] ROBERT-BEAUDOIN, DOMINIQUE, CA
[71] MAAX BATH INC., CA
[22] 2021-03-01
[41] 2021-09-01
[30] US (63/010,632) 2020-04-15
[30] US (62/983,748) 2020-03-01

[21] **3,110,815**
[13] A1
[51] **Int.Cl. F24F 11/38 (2018.01) F25B 49/02 (2006.01)**
[25] EN
[54] **HVAC SYSTEM FAULT PROGNOSTICS AND DIAGNOSTICS**
[54] **PRONOSTICS ET DIAGNOSTICS DES DEFAILLANCES D`UN SYSTEME CVC**
[72] BRAHME, AMITA, US
[72] GOKHALE, UMESH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-03-01
[41] 2021-09-02
[30] US (16/806,258) 2020-03-02

[21] **3,110,933**
[13] A1
[51] **Int.Cl. E05F 15/70 (2015.01) E05F 15/73 (2015.01) E05B 47/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A DOOR AND COMPONENTS RELATED TO THE SAME**
[54] **METHODE D`UTILISATION D`UNE PORTE ET COMPOSANTES CONNEXES**
[72] JASKIEWICZ, TOMASZ, US
[72] KENDALL, ADAM, US
[71] ENDURA PRODUCTS, LLC, US
[22] 2021-03-02
[41] 2021-09-04
[30] US (62/985,118) 2020-03-04
[30] US (63/092,570) 2020-10-16
[30] US (17/181,714) 2021-02-22

[21] **3,110,941**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A DOOR AND COMPONENTS RELATED TO THE SAME**
[54] **METHODE D`UTILISATION D`UNE PORTE ET COMPOSANTES CONNEXES**
[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, LLC, US
[22] 2021-03-02
[41] 2021-09-04
[30] US (62/985,118) 2020-03-04
[30] US (63/092,570) 2020-10-16
[30] US (17/181,734) 2021-02-22

[21] **3,110,942**
[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01) B60R 19/02 (2006.01) B62D 25/22 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **TRUCK BUMPER DOCK EXTENSION FLIP STEP WALK RAMP**
[54] **RALLONGE DE RAMPE DE CHARGEMENT SUR PARE-CHOCS DE CAMION AVEC MARCHE BASCULANTE**
[72] WHITMAN, PAUL L., US
[71] MORGAN TRUCK BODY, LLC, US
[22] 2021-03-02
[41] 2021-09-03
[30] US (62/984,671) 2020-03-03

[21] **3,110,951**
[13] A1
[51] **Int.Cl. A24C 5/40 (2006.01)**
[25] EN
[54] **MODULAR SMOKABLE PRODUCT PACKAGING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`EMBALLAGE MODULAIRE DE PRODUIT A FUMER**
[72] GRIGSBY, ERIC, US
[71] KUNGTECH LLC, US
[22] 2021-03-02
[41] 2021-09-02
[30] US (62/984,292) 2020-03-02

[21] **3,110,986**
[13] A1
[51] **Int.Cl. G01N 3/30 (2006.01) G01N 3/02 (2006.01) G01N 3/307 (2006.01) G01N 29/22 (2006.01)**
[25] EN
[54] **ACOUSTIC EVALUATION OF WOOD PROPERTIES**
[54] **EVALUATION ACOUSTIQUE DE CARACTERISTIQUES DU BOIS**
[72] ANTTILA, AKI J., US
[71] USNR, LLC, US
[22] 2021-03-02
[41] 2021-09-02
[30] US (62/984,287) 2020-03-02

[21] **3,110,991**
[13] A1
[51] **Int.Cl. A63B 71/12 (2006.01) A41D 13/015 (2006.01) A41D 13/06 (2006.01) A41D 13/08 (2006.01)**
[25] EN
[54] **PROTECTIVE PAD ASSEMBLY INCLUDING INNER MEMBER AND OUTER PROTECTIVE PAD RELEASABLY ATTACHABLE THERETO**
[54] **ASSEMBLAGE DE COUSSIN PROTECTEUR COMPRENANT UN ELEMENT INTERIEUR ET UN COUSSIN PROTECTEUR EXTERIEUR ATTACHE A L`ELEMENT DE MANIERE AMOVIBLE**
[72] JOHN A. PICONE, US
[72] JOSEPH M. PARDILLO, US
[71] JP VENTURES, LLC, US
[22] 2021-03-02
[41] 2021-09-02
[30] US (62/984,169) 2020-03-02
[30] US (62/984,922) 2020-03-04

[21] **3,111,024**
[13] A1
[51] **Int.Cl. C09D 133/14 (2006.01) C09D 7/62 (2018.01) B05D 1/36 (2006.01) B05D 3/02 (2006.01) C09D 161/32 (2006.01) C09D 167/02 (2006.01)**
[25] EN
[54] **PAINT COMPOSITION AND MULTILAYER COATING FILM FORMATION METHOD**
[54] **COMPOSITION DE PEINTURE ET METHODE DE FORMATION D`UN FILM DE REVETEMENT MULTICOUCHE**
[72] KITAMURA, TAKASHI, JP
[71] KANSAI PAINT CO., LTD., JP
[22] 2021-03-02
[41] 2021-09-04
[30] JP (2020-036781) 2020-03-04

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[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01M 7/00 (2006.01)**
[25] EN
[54] **PENDULUM BOOM SUSPENSION**
[54] **SUSPENSION DE FLECHE EN PENDULE**
[72] BAXTER, GARRY, E., US
[72] KOENEN, DANIEL, J., US
[72] SCHULTES, JACOB, J., US
[72] STEPHENS, BRENDEN, L., US
[72] JOHNSON, MICAH, E., US
[71] DEERE & COMPANY, US
[22] 2021-03-02
[41] 2021-09-04
[30] US (62/985,060) 2020-03-04
[30] US (17/181,274) 2021-02-22

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[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01)**
[25] EN
[54] **REFUSE CAN DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DETECTION DE POUBELLE**
[72] MAHAN, DAKOTA, US
[72] RUKAS, CHRISTOPHER J., US
[72] BECK, JOHN, US
[72] CHAN, BRENDAN, US
[71] OSHKOSH CORPORATION, US
[22] 2021-03-03
[41] 2021-09-04
[30] US (62/985,027) 2020-03-04
[30] US (17/189,740) 2021-03-02

[21] **3,111,184**
[13] A1
[51] **Int.Cl. A47F 10/00 (2006.01) B67D 1/07 (2006.01) F25D 15/00 (2006.01)**
[25] EN
[54] **FOOD PRODUCT DISPENSER WITH REMOVABLE MODULE**
[54] **DISTRIBUTEUR DE PRODUIT ALIMENTAIRE COMPORTANT UN MODULE AMOVIBLE**
[72] REISER, RALF, US
[72] CAMPBELL, SHAWN, CA
[72] KIM, JEFF, CN
[71] RICH PRODUCTS CORPORATION, US
[22] 2021-03-03
[41] 2021-09-04
[30] US (62/985142) 2020-03-04

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[13] A1
[51] **Int.Cl. A01M 7/00 (2006.01) A01C 23/00 (2006.01) B05B 12/00 (2018.01)**
[25] EN
[54] **AGRICULTURAL SPRAYER ACTIVE BOOM CENTER FRAME POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT D`UN CADRE CENTRAL DE FLECHE ACTIVE D`UN PULVERISATEUR AGRICOLE**
[72] SPORRER, ADAM D., US
[72] BLAYLOCK, KYLE R., US
[72] DARR, MATTHEW J., US
[72] MCNAULL, ROBERT, US
[72] EHRECKE, KEVIN L., US
[71] DEERE & COMPANY, US
[71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[22] 2021-03-04
[41] 2021-09-04
[30] US (62/985,132) 2020-03-04
[30] US (17/178,526) 2021-02-18

[21] **3,111,251**
[13] A1
[51] **Int.Cl. E02D 13/04 (2006.01)**
[25] EN
[54] **ALIGNMENT TOOL**
[54] **OUTIL D`ALIGNEMENT**
[72] BIJL, DARRELL, CA
[72] BIJL, STEPHANIE, CA
[71] BIJL, DARRELL, CA
[71] BIJL, STEPHANIE, CA
[22] 2021-03-04
[41] 2021-09-04
[30] US (62/985226) 2020-03-04

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[13] A1
[51] **Int.Cl. E01B 29/32 (2006.01) E01B 9/02 (2006.01)**
[25] EN
[54] **RAILROAD TIE PLATE APPARATUS AND METHOD**
[54] **APPAREIL DE SELLE DE CHEMIN DE FER ET METHODE**
[72] HELMICK, STONEY L., US
[71] HERZOG RAILROAD SERVICES, INC., US
[22] 2021-03-17
[41] 2021-09-02
[30] US (16/806,836) 2020-03-02

[21] **3,112,261**
[13] A1
[51] **Int.Cl. H01R 13/02 (2006.01) H01R 4/18 (2006.01) H01R 4/36 (2006.01) H01R 13/426 (2006.01) H02G 15/08 (2006.01)**
[25] EN
[54] **CONTACT ASSEMBLY FOR A CONNECTOR HOUSING, CONNECTOR HOUSING AS WELL AS CONNECTOR ASSEMBLY AND MODULAR CONNECTOR SET WITH SUCH A CONNECTOR HOUSING**
[54] **ENSEMBLE DE CONTACT POUR UN BOITIER DE CONNECTEUR, BOITIER DE CONNECTEUR ET ASSEMBLAGE DE CONNECTEUR ET ENSEMBLE DE CONNECTEURS MODULAIRES COMPORTANT UN TEL BOITIER DE CONNECTEUR**
[72] ZUCCA, MARCO, NL
[72] MUNGARWADI, SUBHASH, GB
[72] CATCHPOLE, JONATHAN, GB
[71] TE CONNECTIVITY NEDERLAND B.V., NL
[71] TYCO ELECTRONICS UK LTD., GB
[22] 2021-03-03
[41] 2021-09-03
[30] EP (20160790.0) 2020-03-03

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[13] A1
[51] **Int.Cl. B65D 83/76 (2006.01) B05C 17/005 (2006.01)**
[25] EN
[54] **HOUSING FOR RECEIVING FLOWABLE SUBSTANCE**
[54] **LOGEMENT POUR RECEVOIR UNE SUBSTANCE FLUIDE**
[72] SANTOIANNI, SERGIO, CA
[71] SANTOIANNI, SERGIO, CA
[22] 2021-04-22
[41] 2021-09-03
[30] US (62/984,354) 2020-03-03

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[13] A1
[51] **Int.Cl. A47G 25/20 (2006.01)**
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[54] **CLOTHING COLLAR STRETCH PREVENTION GADGET**
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[54] **RENFORCEMENT DE PATTES RONDES SOLIDES DANS LES TOURS DE TELECOMMUNICATION**
[72] RADI, ASHRAF, CA
[71] RADI, ASHRAF, CA
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[54] **UNIVERSAL THEFT DETERRENCE DEVICE FOR CATALYTIC CONVERTERS**
[54] **DISPOSITIF UNIVERSEL DE DISSUASION CONTRE LE VOL POUR PROTEGER DES CONVERTISSEURS CATALYTIQUES**
[72] ARCHER, DENNIS, CA
[71] 3WM INC., CA
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[54] **SUSTAINABLE SOLUTIONS FOR THE HOUSING AND HOMELESSNESS CRISES AND CHRONIC HOMELESSNESS**
[54] **SOLUTIONS DURABLES AUX CRISES DU LOGEMENT, AU SANS-ABRISME ET A L`ITINERANCE CHRONIQUE**
[72] AL-SHEHABI, SALMA, CA
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[54] **GENERATING HYDROCARBON CHANCE MAPPING**
[54] **CARTOGRAPHIE DE PROSPECTION DES GISEMENTS D'HYDROCARBURES**
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[71] LANDMARK GRAPHICS CORPORATION, US
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[54] **PROVISIONING SERVICES (PVS) CLOUD STREAMING WITH READ CACHE**
[54] **PRESTATIONS DE SERVICES DE DIFFUSION EN NUAGE AVEC MEMOIRE CACHE LUE**
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[72] GRAHAM, SIMON, US
[71] CITRIX SYSTEMS, INC., US
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[54] **SYSTEME DE FONDATION A ANCRAGE HELICOIDE**
[72] RUSS, KEVIN J., US
[72] DOTSON, JOSHUA A., US
[72] TURNER, LUCAS B., US
[71] HELICORE LLC, US
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[54] **SONDE OPTIQUE AUTONETTOYANTE**
[72] THABETH, KHALID, GB
[72] ACHESON, RAYMOND, GB
[71] INOV8 SYSTEMS LIMITED, GB
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[54] **APPARATUS AND METHOD FOR ENCODING A SPATIAL AUDIO REPRESENTATION OR APPARATUS AND METHOD FOR DECODING AN ENCODED AUDIO SIGNAL USING TRANSPORT METADATA AND RELATED COMPUTER PROGRAMS**
[54] **APPAREIL ET PROCEDE DE CODAGE D'UNE REPRESENTATION AUDIO SPATIALE OU APPAREIL ET PROCEDE DE DECODAGE D'UN SIGNAL AUDIO CODE A L'AIDE DE METADONNEES DE TRANSPORT ET PROGRAMMES INFO RMATIQUES ASSOCIES**
[72] KUECH, FABIAN, DE
[72] THIERGART, OLIVER, DE
[72] FUCHS, GUILLAUME, DE
[72] DOEHLA, STEFAN, DE
[72] BOUTHEON, ALEXANDRE, DE
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[25] EN
[54] **MODULAR PLATFORM FOR PRODUCING GLYCOPROTEINS AND IDENTIFYING GLYCOSYLATION PATHWAYS**
[54] **PLATE-FORME MODULAIRE POUR PRODUIRE DES GLYCOPROTEINES ET IDENTIFIER DES VOIES DE GLYCOSYLATION**
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[72] KIGHTLINGER, WESTON K., US
[71] NORTHWESTERN UNIVERSITY, US
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[25] EN
[54] **DEVICE FOR COLLECTING, PRESERVING AND STORING EUKARYOTIC CELLS CONTAINED IN A SAMPLE OF BIOLOGICAL FLUID FOR FURTHER CELL ANALYSIS**
[54] **DISPOSITIF DE COLLECTE, DE CONSERVATION ET DE STOCKAGE DE CELLULES EUCARYOTES CONTENUES DANS UN ECHANTILLON DE FLUIDE BIOLOGIQUE POUR ANALYSE DE CELLULES SUPPLEMENTAIRE**
[72] PIGEOT-REMY, STEPHANIE, FR
[72] BOEN, MARIE-LAURE, FR
[72] CARTIER, NOEL, FR
[72] BEESAU, CHRISTOPHE, FR
[72] PETIT, VINCENT, FR
[71] AHLSTROM-MUNKSJO OYJ, FI
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[54] **CHROMATOGRAPHIC PURIFICATION OF AT LEAST ONE ENZYME SELECTED FROM THE GROUP CONSISTING OF COLLAGENASE TYPE I, NEUTRAL PROTEASE, AND CLOSTRIPAIN**
[54] **PURIFICATION CHROMATOGRAPHIQUE D'AU MOINS UNE ENZYME CHOISIE DANS LE GROUPE CONSTITUE PAR LA COLLAGENASE DE TYPE I, LA PROTEASE NEUTRE ET LE CLOSTRIPAIN**
[72] SCHRADER, THOMAS, DE
[72] LAMBRECHT, JORG, DE
[72] DODING, STEFAN, DE
[71] NORDMARK PHARMA GMBH, DE
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[72] JIDHAGE, HENRIK, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[25] EN
[54] **CHEMICAL PLANT WITH A REFORMING SECTION AND A PROCESS FOR PRODUCING A CHEMICAL PRODUCT**
[54] **INSTALLATION CHIMIQUE DOTEE D'UNE SECTION DE REFORMAGE ET PROCEDE DE PRODUCTION D'UN PRODUIT CHIMIQUE**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2021-07-27
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[54] **DISPENSER FOR A PRESSURISED CONTAINER**
[54] **DIFFUSEUR POUR RECIPIENT SOUS PRESSION**
[72] BOREL, BERNARD, FR
[71] LINDAL FRANCE SAS, FR
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[54] **CHEMICAL SYNTHESIS PLANT**
[54] **INSTALLATION DE SYNTHESE CHIMIQUE**
[72] DE SARKAR, SUDIP, DK
[72] CHRISTENSEN, THOMAS SANDAHL, DK
[72] OSTBERG, MARTIN, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
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[54] **PROCESS AND DEVICE FOR APPLICATION OF PARTICLES ONTO FROZEN CONFECTIONERY**
[54] **PROCEDE ET DISPOSITIF D'APPLICATION DE PARTICULES SUR UNE CONFISERIE CONGELEE**
[72] AMEND, THOMAS ALOISIUS VALENTINUS, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **DRIVE SHAFT COMPRISING A FUSIBLE SECTION AND METHOD FOR PROTECTING SUCH A DRIVE SHAFT AGAINST AN OVERTORQUE**
[54] **ARBRE DE TRANSMISSION COMPRENANT UNE SECTION FUSIBLE ET PROCEDE DE PROTECTION CONTRE UN SUR-COUPLE D'UN TEL ARBRE DE TRANSMISSION**
[72] NEGRI, ARNAUD NICOLAS, FR
[72] BECOULET, JULIEN FABIEN PATRICK, FR
[72] BRAULT, MICHEL GILBERT ROLAND, FR
[72] CUVILLIER, ROMAIN GUILLAUME, FR
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[54] **NOMETHIAZOLES COMME TRAITEMENT DU SYNDROME DE RETT**
[72] HARTMAN, CRAIG, US
[72] COWART, DOUG, US
[71] REVIVO THERAPEUTICS, US
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[25] EN
[54] **PROCESS FOR MANUFACTURING MULTI-LAYER SUBSTRATES COMPRISING SANDWICH LAYERS AND POLYETHYLENE**
[54] **PROCEDE DE FABRICATION DE SUBSTRATS MULTICOUCHES COMPRENANT DES COUCHES EN SANDWICH ET DU POLYETHYLENE**
[72] DANI, NIKHIL P., US
[72] HENDRIX, JOERG, US
[72] WOOD, SCOTT, US
[72] CHAN, HUBERT, US
[72] PSZCZOLKOWSKI, MARK, US
[72] FRITTER, DANIELA N., US
[71] THE CLOROX COMPANY, US
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[54] **THE MONOHYDRATE OF ROGARATINIB HYDROCHLORIDE AND SOLID STATES THEREOF**
[54] **MONOHYDRATE DE CHLORHYDRATE DE ROGARATINIB ET ETATS SOLIDES ASSOCIES**
[72] GRIES, JORG, DE
[72] PLATZEK, JOHANNES, DE
[72] HASELHOFF, CLAUS-CHRISTIAN, DE
[72] LOVIS, KAI, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **PACKAGING RING WITH DIAGONAL RELIEF OPENING**
[54] **BAGUE DE GARNITURE PRESENTANT UN ORIFICE DE DELESTAGE INCLINE**
[72] SPIEGL, BERNHARD, AT
[72] KAUFMANN, ANDREAS, AT
[72] LAGLER, MARTIN, AT
[72] JANKO-GRASSLOBER, MARIAN, AT
[72] KORNFELD, MATTHIAS, AT
[71] HOERBIGER WIEN GMBH, AT
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[54] **TEAT FOR USE WITH A CONTAINER FOR CONTAINING LIQUID**
[54] **TETINE DESTINEE A ETRE UTILISEE AVEC UN RECIPIENT DESTINE A CONTENIR UN LIQUIDE**
[72] KAMPING, WIECHER FERDINAND, NL
[72] VAN DER KOOI, JOHANNES TSEARD, NL
[72] DOBRUSSKIN, CHRISTOPH, NL
[72] DE VRIES, SIETSE, NL
[72] GOSENSHUIS, DAAN HENDRIK, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[25] EN
[54] **A SPATIAL SENSOR SYNCHRONIZATION SYSTEM USING A TIME-DIVISION MULTIPLE ACCESS COMMUNICATION SYSTEM**
[54] **SYSTEME DE SYNCHRONISATION DE CAPTEUR SPATIAL UTILISANT UN SYSTEME DE COMMUNICATION A ACCES MULTIPLE PAR REPARTITION DANS LE TEMPS**
[72] KOVERMANN, JAN W., FR
[72] RUFFO, MASSIMILIANO, CH
[71] TERABEE S.A.S., FR
[85] 2021-07-28
[86] 2020-01-30 (PCT/EP2020/052354)
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[25] EN
[54] **SYNTHETIC ELASTOMERIC ARTICLE AND METHOD FOR THE PRODUCTION THEREOF**
[54] **ARTICLE EN ELASTOMERE DE SYNTHESE ET SON PROCEDE DE PRODUCTION**
[72] FOO, KHON PU, MY
[72] LIM, CHIN KEONG, MY
[72] TUNG, CIAN YING, MY
[71] SKINPROTECT CORPORATION SDN BHD, MY
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[25] EN
[54] **METHOD FOR PRODUCING COILS, PRODUCTION APPARATUS FOR PRODUCING COILS, WIRE NETTING APPARATUS, AND USES OF THE WIRE NETTING APPARATUS**
[54] **PROCEDE DE PRODUCTION DE SPIRALES, SYSTEME DE PRODUCTION DE SPIRALES, SYSTEME DE TREILLIS METALLIQUE A MAILLES ET UTILISATIONS DUDIT SYSTEME DE TREILLIS METALLIQUE A MAILLES**
[72] EICHER, MANUEL, CH
[71] GEOBRUGG AG, CH
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[54] **METHOD FOR CONTROLLING AN OPTOGENETIC DEVICE USING FILTERING AND ASSOCIATED DEVICES**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF OPTOGENETIQUE PAR FILTRAGE ET DISPOSITIFS ASSOCIES**
[72] GALLUPPI, FRANCESCO, FR
[72] GALLE, CHARLIE, FR
[71] GENSIGHT BIOLOGICS, FR
[85] 2021-07-28
[86] 2020-02-04 (PCT/EP2020/052717)
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[51] **Int.Cl. A47B 88/473 (2017.01) A47B 88/487 (2017.01)**
[25] EN
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[54] **GLISSIERE DE TIROIR**
[72] GARCIA, OSCAR, ES
[72] LOPETEGI, IKER, ES
[71] PAUL HETTICH GMBH & CO. KG, DE
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[25] EN
[54] **APPARATUS FOR TRANSPORTING AT LEAST ONE OBJECT, IN PARTICULAR A PHARMACEUTICAL CONTAINER**
[54] **ARRANGEMENT POUR LE TRANSPORT D'AU MOINS UN OBJET, NOTAMMENT D'UN RECIPIENT PHARMACEUTIQUE**
[72] MAURISCHAT, WOLFGANG HAGEN, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
[85] 2021-07-28
[86] 2020-02-19 (PCT/EP2020/054364)
[87] (WO2020/173789)
[30] DE (10 2019 202 726.1) 2019-02-28

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[51] **Int.Cl. C12Q 1/6806 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **HAPLOTAGGING - HAPLOTYPE PHASING AND SINGLE-TUBE COMBINATORIAL BARCODING OF NUCLEIC ACID MOLECULES USING BEAD-IMMOBILIZED TN5 TRANSPOSASE**
[54] **PHASAGE D'HAPLOTYPE/HAPLOTYPAGE ET CODE-BARRES COMBINATOIRE A TUBE UNIQUE DE MOLECULES D'ACIDE NUCLEIQUE A L'AIDE D'UNE TRANSPOSASE TN5 IMMOBILISEE PAR BILLES**
[72] CHAN, YINGGUANG FRANK, DE
[72] KUCKA, MAREK, DE
[72] DREAU, ANDREEA, FR
[71] MAX-PLANCK-GESELLSCHAFT ZUR FÍRDERUNG DER WISSENSCHAFTEN E.V., DE
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[86] 2020-02-14 (PCT/EP2020/053948)
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[30] EP (19157290.8) 2019-02-14
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[51] **Int.Cl. F17C 3/02 (2006.01)**
[25] FR
[54] **INSULATING BLOCK INTENDED FOR THERMALLY INSULATING A STORAGE TANK**
[54] **BLOC ISOLANT DESTINE A L'ISOLATION THERMIQUE D'UNE CUVE DE STOCKAGE**
[72] MONTFORT, PIERRE, FR
[72] CHARPENTIER, BENJAMIN, FR
[72] FREI, HOLGER, DE
[71] GAZTRANSPORT ET TECHNIGAZ, FR
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[54] **RAILWAY BRAKING SYSTEM COMPRISING A SERVICE BRAKE INDICATOR DEVICE AND RAIL VEHICLE PROVIDED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UN DISPOSITIF INDICATEUR DE FREIN DE SERVICE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] SALES, JEREMIE, FR
[71] FAIVELEY TRANSPORT AMIENS, FR
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[25] FR
[54] **RAILWAY BRAKING SYSTEM COMPRISING A PARKING BRAKE INDICATOR DEVICE AND RAIL VEHICLE PROVIDED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UN DISPOSITIF INDICATEUR DE FREIN DE PARKING ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] SALES, JEREMIE, FR
[71] FAIVELEY TRANSPORT AMIENS, FR
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[54] **CAPSULE AND SYSTEM FOR THE PREPARATION OF A LIQUID FOOD PRODUCT**
[54] **CAPSULE ET SYSTEME DE PREPARATION D'UNE DENREE ALIMENTAIRE LIQUIDE**
[72] KURTZ, OLIVIA, CH
[72] GUGERLI, RAPHAEL, CH
[72] AFFOLTER, ROLAND, CH
[72] WUTHRICH, MARTIN, CH
[72] BRUNSCHWILER, CHRISTOPH, CH
[71] DELICA AG, CH
[85] 2021-07-28
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[25] EN
[54] **METHOD FOR ADHESIVELY BONDING RUBBER-BASED THERMOPLASTIC SUBSTRATES**
[54] **PROCEDE DE LIAISON ADHESIVE DE SUBSTRATS THERMOPLASTIQUES A BASE DE CAOUTCHOUC**
[72] OERTLI, MARCEL, CH
[72] ROSKAMP, ROBERT, CH
[72] WALLIMANN, HELENA, CH
[72] FAH, CHRISTOPH, CH
[72] CHOFFAT, FABIEN, CH
[71] SIKA TECHNOLOGY AG, CH
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[25] EN
[54] **A FLEXIBLE PREFORM MOULD FOR MANUFACTURING A PREFORM FOR A WIND TURBINE BLADE**
[54] **MOULE DE PREFORME SOUPLE PERMETTANT LA FABRICATION D'UNE PREFORME DESTINEE A UNE PALE D'EOLIENNE**
[72] LEHMANN MADSEN, KRISTIAN, DK
[71] LM WIND POWER A/S, DK
[85] 2021-07-28
[86] 2020-02-25 (PCT/EP2020/054882)
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[25] EN
[54] **A METHOD FOR THE SUPPRESSION OF SOOT FORMATION IN AN ATR OR POX REACTOR**
[54] **PROCEDE DE SUPPRESSION DE FORMATION DE SUIE DANS UN REACTEUR ATR OU POX**
[72] ZANICHELLI, LUCA, IT
[72] COLMEGNA, GIACOMO, CH
[71] CASALE SA, CH
[85] 2021-07-28
[86] 2020-02-18 (PCT/EP2020/054176)
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[54] **PREPARATIONS FOR THE PREVENTION OF ILLNESSES ACQUIRED VIA THE ORAL CAVITY AND PHARYNX**
[54] **PREPARATION POUR LA PREVENTION DE MALADIES ACQUISES PAR L'INTERMEDIAIRE DE LA CAVITE BUCCALE ET DU PHARYNX**
[72] MONTES, JOSEPH G., US
[72] INTRATER, JAMES, US
[71] INTRAMONT TECHNOLOGIES, INC., US
[85] 2021-07-27
[86] 2020-03-16 (PCT/US2020/022903)
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[25] EN
[54] **ISOLATED CELL CULTURE COMPONENTS AND METHODS FOR ISOLATING THE SAME FROM LIQUID CELL CULTURE MEDIUM**
[54] **COMPOSANTS DE CULTURE CELLULAIRE ISOLES ET PROCEDES D'ISOLEMENT DE CEUX-CI A PARTIR D'UN MILIEU DE CULTURE CELLULAIRE LIQUIDE**
[72] BITTERFIELD, DEBORAH LEE, US
[72] DOHERTY, MICHAEL QUINN, US
[71] LINDY BIOSCIENCES, INC., US
[85] 2021-07-28
[86] 2020-02-05 (PCT/US2020/016743)
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[54] **ENHANCED SMOKING PRODUCT**
[54] **PRODUIT A FUMER AMELIORE**
[72] COOPER, JEFFREY T., US
[71] COOPER, JEFFREY T., US
[85] 2021-07-28
[86] 2020-02-05 (PCT/US2020/016841)
[87] (WO2020/163501)
[30] US (62/801,916) 2019-02-06

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[54] **SEAL INTEGRITY INSPECTION**
[54] **INSPECTION DE L'INTEGRITE DE SCELLEMENT**
[72] CHISHOLM, BRIAN J., US
[72] BROZELL, BRIAN J., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-07-28
[86] 2020-02-05 (PCT/US2020/016696)
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[25] EN
[54] **SYSTEM AND METHOD FOR EMERGENCY BRAKE CONTROL**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FREIN D'URGENCE**
[72] SELMER, JACOB, US
[72] MERSCHBECKER, UDO, US
[72] WINGATE, REGGIE, US
[71] KNORR BRAKE COMPANY, LLC, US
[85] 2021-07-28
[86] 2020-02-05 (PCT/US2020/016697)
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[30] US (62/801,360) 2019-02-05
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[25] EN
[54] **MOBILE CHARACTER CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PERSONNAGE MOBILE**
[72] TEMPLE, RICKY RECARDO JR., US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-07-28
[86] 2020-02-06 (PCT/US2020/017101)
[87] (WO2020/167589)
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[25] EN
[54] **METHODS FOR CALIBRATING PASSIVE SPEAKERS WITH A GRAPHICAL USER INTERFACE**
[54] **PROCEDES D'ETALONNAGE DE HAUT-PARLEURS PASSIFS AVEC UNE INTERFACE UTILISATEUR GRAPHIQUE**
[72] VAUTRIN, JODI, US
[72] MCDEVITT, JENNIFER, US
[72] VALENTE, DANIEL, US
[71] SONOS, INC., US
[85] 2021-07-28
[86] 2020-02-12 (PCT/US2020/017896)
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[54] **SCENIC COMPARTMENT RIDE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE MANEGE A COMPARTIMENTS SCENIQUES**
[72] BLUM, STEVEN C., US
[72] LEVY, LISA MARIE, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-07-28
[86] 2020-02-11 (PCT/US2020/017732)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PREPARING A SAMPLE AND PERFORMING A REAL-TIME ASSAY OF THE SAMPLE**
[54] **SYSTEMES ET PROCEDES DE PREPARATION D'UN ECHANTILLON ET DE REALISATION D'UN DOSAGE EN TEMPS REEL DE L'ECHANTILLON**
[72] WU, CHAO-HSIANG, US
[72] XUE, GANG, US
[72] SARICH, BRANDON, ZACHARY, US
[72] BERKE, MICHAEL, R., US
[72] SEBASTAIN, JACOB, US
[72] CHAN, PIK, US
[71] AMGEN INC., US
[85] 2021-07-28
[86] 2020-02-14 (PCT/US2020/018225)
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[30] US (62/805,902) 2019-02-14
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[54] **INTEGRATED TRANSFORMER WITH LOW AC LOSSES AND IMPEDANCE BALANCED INTERFACE**
[54] **TRANSFORMATEUR INTEGRE A FAIBLES PERTES DE COURANT ALTERNATIF ET INTERFACE EQUILIBREE D'IMPEDANCE**
[72] WAMBSGANSS, WARREN J., US
[71] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
[85] 2021-07-28
[86] 2020-02-13 (PCT/US2020/018144)
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[51] **Int.Cl. F27D 1/02 (2006.01) F26B 25/08 (2006.01) F27D 1/00 (2006.01) F27D 1/06 (2006.01) F27D 19/00 (2006.01)**
[25] EN
[54] **MODULAR INDUSTRIAL ENERGY TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT D'ENERGIE INDUSTRIEL MODULAIRE**
[72] ROBINSON, ZACH, US
[71] WESTRAN THERMAL PROCESSING LLC, US
[85] 2021-07-28
[86] 2020-02-19 (PCT/US2020/018775)
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[25] EN
[54] **SYSTEMS AND METHODS FOR ANIMATION ON STRUCTURAL FEATURES USING ELECTRONIC INK**
[54] **SYSTEMES ET PROCEDES D'ANIMATION SUR DES ELEMENTS STRUCTURAUX A L'AIDE D'ENCRE ELECTRONIQUE**
[72] BLUM, STEVEN C., US
[72] MCQUILLIAN, BRIAN BIRNEY, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-07-28
[86] 2020-02-19 (PCT/US2020/018841)
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[72] HOLT, BRIAN, US
[71] HOLT, BRIAN, US
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[86] 2020-06-30 (PCT/US2020/040297)
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[30] US (62/870,031) 2019-07-02
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[54] **OBJECT ORIENTATION DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D'ORIENTATION D'OBJET**
[72] LIN, YU-JEN, US
[72] MELO, ANTHONY, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-07-28
[86] 2020-02-13 (PCT/US2020/018157)
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[51] **Int.Cl. C07F 9/6558 (2006.01) A61K 31/675 (2006.01) A61P 19/08 (2006.01)**
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[54] **BISPHOSPHONATE-LINKED COMPOUNDS**
[54] **COMPOSES LIES A DES BISPHOSPHONATES**
[72] BERGAN, RAYMOND, US
[72] GORDON, RYAN, US
[72] PATTANAYAK, ANHINANDAN, US
[71] OREGON HEALTH & SCIENCE UNIVERSITY, US
[85] 2021-07-28
[86] 2020-02-06 (PCT/US2020/017071)
[87] (WO2020/163637)
[30] US (62/801,858) 2019-02-06

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[54] **COOLING SEALED PACKAGES AFTER HOT FILLING AND SEALING**
[54] **REFROIDISSEMENT D'EMBALLAGES SCELLES APRES REMPLISSAGE A CHAUD ET SCELLAGE**
[72] CHISHOLM, BRIAN J., US
[72] BROZELL, BRIAN J., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-07-28
[86] 2020-02-05 (PCT/US2020/016709)
[87] (WO2020/163426)
[30] US (16/269,342) 2019-02-06

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[51] **Int.Cl. H04L 9/08 (2006.01)**
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[54] **ARITHMETIC FOR SECURE MULTI-PARTY COMPUTATION WITH MODULAR INTEGERS**
[54] **ARITHMETIQUE POUR LE CALCUL SECURISE A PLUSIEURS PARTIES AVEC DES ENTIERS MODULAIRES**
[72] GEORGIEVA, MARIYA, US
[72] GAMA, NICOLAS, US
[72] JETCHEV, DIMITAR, US
[71] INPHER, INC., US
[85] 2021-07-28
[86] 2020-02-24 (PCT/US2020/019551)
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[30] US (62/809,543) 2019-02-22

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[51] **Int.Cl. G06Q 40/00 (2012.01)**
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[54] **NETWORK-BASED MARKETPLACE SERVICE PRICING TOOL FOR FACILITATING PURCHASES OF BUNDLED SERVICES AND PRODUCTS**
[54] **OUTIL D'EVALUATION DE SERVICE DE MARCHE BASE SUR UN RESEAU POUR FACILITER L'ACHAT DE SERVICES ET DE PRODUITS GROUPES**
[72] KETCHEL, PAUL, US
[72] OSBORNE, ANI, US
[72] MARTIROSYAN, KAR, US
[72] SCHMIDT, DANIEL, US
[72] AIPOPERSPACH, RYAN, US
[71] MDSAVE SHARED SERVICES INC., US
[85] 2021-07-28
[86] 2020-11-13 (PCT/US2020/060616)
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[30] US (16/685,888) 2019-11-15

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[51] **Int.Cl. B28B 11/14 (2006.01)**
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[54] **METHOD OF PRODUCING PRECAST BUILDING PRODUCTS**
[54] **PROCEDE DE PRODUCTION DE PRODUITS DE BATIMENT PREFABRIQUES**
[72] GEOFFREY A., KULL, AU
[71] SWISS INVESTMENTS AUSTRALIA PTY LTD, AU
[85] 2021-07-29
[86] 2020-06-19 (PCT/AU2020/050629)
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[54] **CAPTURE OF FLUORINATED CARBON COMPOUNDS**
[54] **CAPTURE DE COMPOSES CARBONES FLUORES**
[72] WHITTAKER, ANDREW, AU
[72] ZHANG, CHENG, AU
[72] TAN, XIAO, AU
[71] THE UNIVERSITY OF QUEENSLAND, AU
[85] 2021-07-29
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[51] **Int.Cl. C01D 15/02 (2006.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01)**
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[54] **RECOVERY OF LITHIUM HYDROXIDE**
[54] **RECUPERATION D'HYDROXYDE DE LITHIUM**
[72] URBANI, MARK DANIEL, AU
[72] VINES, NICHOLAS JOHN, AU
[72] JOHNSON, GARY DONALD, AU
[71] BRIGHT MINZ PTY LTD, AU
[85] 2021-07-29
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[54] **DUAL BATTERY SYSTEM**
[54] **SYSTEME DE BATTERIE DOUBLE**
[72] ABRAMOV, IGOR, AU
[71] REDARC TECHNOLOGIES PTY LTD, AU
[85] 2021-07-29
[86] 2020-02-03 (PCT/AU2020/050071)
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[25] EN
[54] **DEVICE FOR GENERATING LASER RADIATION**
[54] **DISPOSITIF DE PRODUCTION D'UN RAYONNEMENT LASER**
[72] ERBERT, GOTZ, DE
[72] WENZEL, HANS, DE
[72] KNIGGE, STEFFEN, DE
[72] MARTIN, CHRISTIAN DOMINIK, DE
[72] MAASSDORF, ANDRE, DE
[72] DELLA CASA, PIETRO, DE
[72] KNIGGE, ANDREA, DE
[72] CRUMP, PAUL, DE
[71] FERDINAND-BRAUN-INSTITUT GGMBH, LEIBNIZ-INSTITUT FUR HOCHSTFREQUENZTECHNIK, DE
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[86] 2020-01-09 (PCT/EP2020/050462)
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[25] EN
[54] **IMPROVED CONSISTENCY OF CROP YIELD THROUGH BIOLOGICAL NITROGEN FIXATION**
[54] **AMELIORATION DE L'UNIFORMITE DU RENDEMENT DE CULTURES PAR L'INTERMEDIAIRE DE LA FIXATION D'AZOTE BIOLOGIQUE**
[72] REISINGER, MARK, US
[72] SANDERS, ERNEST, US
[72] TEMME, KARSTEN, US
[71] PIVOT BIO, INC., US
[85] 2021-07-28
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[30] US (62/801,504) 2019-02-05
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[51] **Int.Cl. C10J 3/46 (2006.01) B01J 8/18 (2006.01) C02F 11/10 (2006.01) C10K 1/02 (2006.01)**
[25] EN
[54] **A UNIVERSAL FEEDER FOR A GASIFICATION REACTOR**
[54] **DISPOSITIF D'ALIMENTATION UNIVERSEL POUR UN REACTEUR DE GAZEIFICATION**
[72] KELFKENS, RENUS, US
[72] DAVIS, BRANDON, US
[71] ARIES GASIFICATION, LLC, US
[85] 2021-07-28
[86] 2020-02-26 (PCT/US2020/019900)
[87] (WO2020/256798)
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[51] **Int.Cl. H05B 47/105 (2020.01) H05B 45/10 (2020.01) H05B 47/16 (2020.01) H05B 47/19 (2020.01)**
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[54] **CONTROLLING GROUPS OF ELECTRICAL LOADS**
[54] **COMMANDE DE GROUPES DE CHARGES ELECTRIQUES**
[72] PETERSEN, ALEXANDER S., US
[72] SHUKLA, JAYKRISHNA A., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2021-07-28
[86] 2020-05-15 (PCT/US2020/033224)
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[30] US (62/849,521) 2019-05-17

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[25] EN
[54] **LIPOSOMAL NANOPARTICLE**
[54] **NANOPARTICULE LIPOSOMALE**
[72] GOLDYS, EWA, AU
[72] DENG, WEI, AU
[72] ALP AKSOY, YAGIZ, AU
[71] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[85] 2021-07-29
[86] 2020-01-31 (PCT/AU2020/050067)
[87] (WO2020/154774)
[30] AU (2019900286) 2019-01-31

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[51] **Int.Cl. B32B 29/02 (2006.01) B32B 1/08 (2006.01) D21F 11/04 (2006.01) D21F 11/08 (2006.01) D21H 11/12 (2006.01) D21H 11/14 (2006.01) D21H 13/28 (2006.01) D21H 15/10 (2006.01) D21H 23/04 (2006.01) D21H 23/28 (2006.01) D21H 27/34 (2006.01) D21H 27/38 (2006.01) D21J 3/04 (2006.01) D21J 3/12 (2006.01) E04G 13/02 (2006.01)**
[25] EN
[54] **A NEW MATERIAL, A NEW AND IMPROVED LAYERED OR LAMINATED MATERIAL, FORMWORK AND OR CONSTRUCTION ELEMENT**
[54] **NOUVEAU MATERIAU, MATERIAU A COUCHES OU STRATIFIE NOUVEAU ET AMELIORE, COFFRAGE ET/OU ELEMENT DE CONSTRUCTION**
[72] VILLAESCUSA, MARIANO, AU
[71] PLASTIC FREE PACKAGING PTY LTD, AU
[85] 2021-07-29
[86] 2020-02-04 (PCT/AU2020/050077)
[87] (WO2020/160603)
[30] AU (2019900327) 2019-02-04
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[25] EN
[54] **FERTILIZER COMPOSITION**
[54] **COMPOSITION D'ENGRAIS**
[72] MCKINNON, ANTHONY, AU
[72] HIGGINBOTTOM, SHANI, AU
[71] ALCOA OF AUSTRALIA LIMITED, AU
[85] 2021-07-29
[86] 2020-02-20 (PCT/AU2020/050147)
[87] (WO2020/168386)
[30] AU (2019900580) 2019-02-22

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[51] **Int.Cl. H01L 31/048 (2014.01) H02S 40/36 (2014.01) H01G 9/20 (2006.01) H01L 31/0203 (2014.01) H01L 31/04 (2014.01) H01L 51/00 (2006.01) H01L 51/42 (2006.01)**
[25] EN
[54] **PHOTOVOLTAIC CELL, MANUFACTURING PROCESS OF ENCAPSULATED PHOTOVOLTAIC CELL, ELECTRICAL CONNECTION SET FOR PHOTOVOLTAIC TILE AND PHOTOVOLTAIC ROOF TILE**
[54] **CELLULE PHOTOVOLTAIQUE, PROCEDE DE FABRICATION DE CELLULE PHOTOVOLTAIQUE ENCAPSULEE, ENSEMBLE DE CONNEXTION ELECTRIQUE POUR TUILE PHOTOVOLTAIQUE ET TUILE PHOTOVOLTAIQUE**
[72] ABRAO, CLAITON, BR
[72] INACIO, RODRIGO ANGELO, BR
[72] LOPES, LUIZ ANTONIO, BR
[71] TEGULA SOLUCOES PARA TELHADOS LTDA, BR
[85] 2021-07-29
[86] 2019-12-27 (PCT/BR2019/050573)
[87] (WO2020/154784)
[30] BR (BR 102019001956-5) 2019-01-30
[30] BR (BR 13 2019 021524 0) 2019-10-14

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[51] **Int.Cl. E21B 19/00 (2006.01) E21B 19/14 (2006.01)**
[25] EN
[54] **ROD HANDLER APPARATUS IN CORE DRILLING**
[54] **APPAREIL DE MANIPULATION DE TIGE DANS LE CAROTTAGE**
[72] LAROSE, DANIEL, CA
[72] ROSE, MARK, CA
[72] BERNIER, JOCELYN, CA
[72] BERNARD, YVES, CA
[71] SERVICES DE FORAGE ORBIT GARANT INC., CA
[85] 2021-07-29
[86] 2020-01-29 (PCT/CA2020/050105)
[87] (WO2020/154804)
[30] US (62/798,160) 2019-01-29

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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/42 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZATION APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE VAPORISATION**
[72] GEORGIEV, STEPHAN, CA
[72] ALSAYAR, MAX, CA
[72] KESERIS, DENIS, CA
[71] HEXO OPERATIONS INC., CA
[85] 2021-07-29
[86] 2020-02-01 (PCT/CA2020/050121)
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[30] US (62/800,164) 2019-02-01

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[51] **Int.Cl. H05H 1/24 (2006.01)**
[25] EN
[54] **CONVERTIBLE PLASMA SOURCE AND METHOD**
[54] **SOURCE DE PLASMA CONVERTIBLE ET PROCEDE**
[72] BOISVERT, JEAN-SEBASTIEN, CA
[72] WONG, PHILIP, CA
[72] LEVEILLE, VALERIE, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[71] NEXPLASMAGEN INC., CA
[85] 2021-07-29
[86] 2020-08-05 (PCT/CA2020/051067)
[87] (WO2021/022371)
[30] US (62/883,327) 2019-08-06

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[13] A1
[51] **Int.Cl. C09D 133/02 (2006.01) C09D 133/00 (2006.01)**
[25] EN
[54] **AQUEOUS COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT AQUEUSE**
[72] QIAN, ZHEN, CN
[72] CUI, WEI, CN
[72] XU, JIANMING, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2021-07-29
[86] 2019-01-29 (PCT/CN2019/073676)
[87] (WO2020/154888)

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[51] **Int.Cl. A61K 47/50 (2017.01) A61P 35/00 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **A CONJUGATE OF AN AMANITA TOXIN WITH BRANCHED LINKERS**
[54] **CONJUGUE D'UNE TOXINE D'AMANITE AVEC DES LIEURS RAMIFIES**
[72] ZHAO, ROBERT YONGXIN, US
[72] YANG, QINGLIANG, CN
[72] LEI, JUN, CN
[72] HUANG, YUANYUAN, CN
[72] ZHAO, LINYAO, CN
[72] YE, HANGBO, CN
[72] GAI, SHUN, CN
[72] CAO, MINGJUN, CN
[72] TONG, QIANQIAN, CN
[72] BAI, LU, CN
[72] GUO, ZHIXIANG, CN
[72] YANG, CHENGYU, CN
[72] ZHOU, XIAOMAI, CN
[72] XIE, HONGSHENG, CN
[72] XU, YIFANG, CN
[72] GUO, HUIHUI, CN
[72] JIA, JUNXIANG, CN
[72] ZHENG, JUN, CN
[72] LIN, CHENG, CN
[72] ZHUO, XIAOTAO, CN
[72] LI, WENJUN, CN
[72] DU, YONG, CN
[72] KONG, XIANGFEI, CN
[72] CHEN, BINBIN, CN
[72] YANG, YANLEI, CN
[72] TONG, YANHONG, CN
[72] CHEN, XIAOXIAO, CN
[72] LI, YANHUA, CN
[72] ZHANG, XIUZHENG, CN
[72] LAI, JUAN, CN
[71] HANGZHOU DAC BIOTECH CO., LTD., CN
[85] 2021-07-29
[86] 2019-01-31 (PCT/CN2019/074176)
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[51] **Int.Cl. H04W 28/22 (2009.01)**
[25] EN
[54] **METHOD, DEVICE, AND COMPUTER READABLE MEDIUM FOR COMMUNICATION**
[54] **PROCEDE, DISPOSITIF, ET SUPPORT LISIBLE PAR ORDINATEUR, POUR UNE COMMUNICATION**
[72] YUAN, FANG, CN
[72] WANG, GANG, CN
[71] NEC CORPORATION, JP
[85] 2021-07-29
[86] 2019-01-31 (PCT/CN2019/074279)
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[51] **Int.Cl. A61N 1/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REALIZING AIR CHARGED PARTICLE WAVE WITH REQUIRED FREQUENCY**
[54] **PROCEDE ET APPAREIL POUR REALISER UNE ONDE DE PARTICULES CHARGEES DANS L'AIR AVEC UNE FREQUENCE REQUISE**
[72] LIU, YANBING, CN
[72] LIU, QIJIA, CA
[72] LIU, QIRUI, CA
[71] LIU, YANBING, CN
[85] 2021-07-29
[86] 2019-04-18 (PCT/CN2019/083285)
[87] (WO2020/155412)
[30] CN (201910106917.2) 2019-02-02

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[51] **Int.Cl. F24F 1/0073 (2019.01) F24F 11/89 (2018.01) F24F 13/28 (2006.01)**
[25] EN
[54] **FILTER MESH RAIL MODULE, CLEANING COMPONENT, AIR CONDITIONER INDOOR UNIT, AND AIR CONDITIONER**
[54] **MODULE DE RAIL DE MAILLE FILTRANTE, ELEMENT DE NETTOYAGE, SECTION INTERIEURE DE CLIMATISEUR ET CLIMATISEUR**
[72] LU, GEN, CN
[72] SUN, ZECHENG, CN
[72] PI, SHUYANG, CN
[72] ZHANG, HUAJUN, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2021-07-29
[86] 2019-10-22 (PCT/CN2019/112426)
[87] (WO2020/155674)
[30] CN (201920179257.6) 2019-01-31

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[51] **Int.Cl. F24F 1/0073 (2019.01)**
[25] EN
[54] **AIR CONDITIONER INDOOR UNIT AND AIR CONDITIONER**
[54] **SECTION INTERIEURE DE CLIMATISEUR ET CLIMATISEUR**
[72] LU, GEN, CN
[72] LIU, XING, CN
[72] SUN, ZECHENG, CN
[72] PI, SHUYANG, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2021-07-29
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[87] (WO2020/155675)
[30] CN (201910100987.7) 2019-01-31
[30] CN (201920179237.9) 2019-01-31
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[51] **Int.Cl. B25J 15/06 (2006.01) D21J 3/00 (2006.01)**
[25] EN
[54] **TRANSFER DEVICE APPLIED TO PULP MOLDED MANIPULATOR, AND PRODUCTION LINE**
[54] **DISPOSITIF DE TRANSFERT UTILISE AVEC UN MANIPULATEUR DE MOULAGE DE PULPE, ET CHAINE DE PRODUCTION**
[72] CHEN, SHU, CN
[72] CEN, GANG, CN
[72] CHEN, WEIMIN, CN
[71] ZHEJIANG SHURCON MANUFACTURING CO LTD, CN
[85] 2021-07-29
[86] 2019-12-24 (PCT/CN2019/128103)
[87] (WO2020/155947)
[30] CN (201910098115.1) 2019-01-31

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[51] **Int.Cl. D21J 3/00 (2006.01)**
[25] EN
[54] **PULP MOLDING PRODUCTION LINE AND PROCESSING METHOD**
[54] **CHAINE DE PRODUCTION DE MOULAGE DE PATE A PAPIER ET PROCEDE DE TRAITEMENT ASSOCIE**
[72] CHEN, SHU, CN
[72] CEN, GANG, CN
[71] ZHEJIANG SHURCON MANUFACTURING CO LTD, CN
[85] 2021-07-29
[86] 2019-12-24 (PCT/CN2019/128104)
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[30] CN (201910098112.8) 2019-01-31

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[51] **Int.Cl. G01N 33/543 (2006.01)**
[25] EN
[54] **SINGLE MOLECULE QUANTITATIVE DETECTION METHOD AND DETECTION SYSTEM**
[54] **PROGRAMME DE DETECTION QUANTITATIVE D'UNE UNIQUE MOLECULE ET SYSTEME DE DETECTION ASSOCIE**
[72] GUAN, ZHICHAO, CN
[71] SUZHOU ASTRABIO TECHNOLOGY CO., LTD., CN
[85] 2021-07-29
[86] 2020-01-03 (PCT/CN2020/070283)
[87] (WO2020/156029)
[30] CN (201910091631.1) 2019-01-30

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[51] **Int.Cl. H04B 7/185 (2006.01) H04W 36/32 (2009.01) H04W 48/16 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND COMMUNICATION DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL ET DISPOSITIF DE COMMUNICATION**
[72] XU, SHENGFENG, CN
[72] YANG, YANMEI, CN
[72] XU, RUIYUE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-07-29
[86] 2020-01-13 (PCT/CN2020/071736)
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[30] CN (201910087482.1) 2019-01-29

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[51] **Int.Cl. F01L 5/02 (2006.01) F01L 1/053 (2006.01) F01L 3/06 (2006.01) F01L 3/10 (2006.01) F01L 3/20 (2006.01) F01L 5/14 (2006.01) F01L 7/10 (2006.01) F01L 7/16 (2006.01)**
[25] EN
[54] **METHOD FOR INTRODUCING HIGHLY PRECOMPRESSED COMBUSTION AIR INTO A COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE, HIGH-PRESSURE INLET VALVE THEREFOR AND INTERNAL COMBUSTION ENGINE HAVING SUCH A HIGH-PRESSURE INLET VALVE**
[54] **PROCEDE POUR INTRODUIRE DE L'AIR DE COMBUSTION FORTEMENT PRECOMPRESSE DANS UNE CHAMBRE DE COMBUSTION D'UN MOTEUR A COMBUSTION INTERNE, SOUPAPE D'ADMISSION HAUTE PRESSION A CET EFF ET ET MOTEUR A COMBUSTION INTERNE COMPRENANT UNE TELLE SOUPAPE D'ADMISSION HAUTE PRESSION**
[72] JUNKER, ERWIN, DE
[71] ERWIN JUNKER GRINDING TECHNOLOGY A.S., CZ
[85] 2021-07-29
[86] 2020-01-23 (PCT/EP2020/051598)
[87] (WO2020/156915)
[30] DE (10 2019 201 123.3) 2019-01-29
[30] DE (10 2019 202 318.5) 2019-02-20

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[25] EN
[54] **OPTICAL STRUCTURE FOR SOLAR APPLICATIONS AND MANUFACTURING METHOD**
[54] **STRUCTURE OPTIQUE DESTINEE A DES APPLICATIONS SOLAIRES, ET PROCEDE DE FABRICATION**
[72] RINKO, KARI, FI
[71] OY ICS INTELLIGENT CONTROL SYSTEMS LTD, FI
[85] 2021-07-29
[86] 2020-01-31 (PCT/FI2020/050062)
[87] (WO2020/157387)
[30] US (62/799,606) 2019-01-31

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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 33/14 (2006.01) C07K 14/435 (2006.01)**
[25] EN
[54] **SEA LICE VACCINES**
[54] **VACCINS CONTRE LE POU DU POISSON**
[72] BARKER, SARAH ELIZABETH, GB
[71] BENCHMARK ANIMAL HEALTH LIMITED, GB
[85] 2021-07-29
[86] 2019-02-04 (PCT/GB2019/050295)
[87] (WO2020/161450)

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[13] A1
[51] **Int.Cl. B65B 7/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANUFACTURING A CONSUMABLE UNIT FOR AN INHALATION DEVICE, AND A CONSUMABLE UNIT FOR AN INHALATION DEVICE**
[54] **PROCEDE ET APPAREIL DE FABRICATION D'UNE UNITE CONSOMMABLE POUR UN DISPOSITIF D'INHALATION, ET UNITE CONSOMMABLE POUR UN DISPOSITIF D'INHALATION**
[72] BRAY, ANDREW JONATHAN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2021-07-29
[86] 2020-01-21 (PCT/GB2020/050123)
[87] (WO2020/157460)
[30] GB (1901204.6) 2019-01-29

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[51] **Int.Cl. B23P 15/04 (2006.01) B26F 3/06 (2006.01) B32B 43/00 (2006.01) C09J 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR SEPARATING A FIRST MECHANICAL PART FROM A SECOND MECHANICAL PART**
[54] **PROCEDE DE DESOLIDARISATION D'UNE PREMIERE PIECE MECANIQUE D'UNE DEUXIEME PIECE MECANIQUE**
[72] JOUDON, VINCENT, FR
[72] LAMOUCHE, DAMIEN BRUNO, FR
[72] PERLIN, MATTHIEU PATRICK JEAN ROGER, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-07-29
[86] 2020-02-04 (PCT/FR2020/050178)
[87] (WO2020/161426)
[30] FR (1901069) 2019-02-04

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[51] **Int.Cl. H02K 1/12 (2006.01) H02K 1/18 (2006.01) H02K 3/04 (2006.01) H02K 3/46 (2006.01) H02K 21/24 (2006.01)**
[25] EN
[54] **AXIAL FLUX ELECTRICAL MACHINE AND ANCILLARY COMPONENTS**
[54] **MACHINE ELECTRIQUE A FLUX AXIAL ET ELEMENTS AUXILIAIRES**
[72] LINES, CHRISTOPHER ROGER, GB
[72] SHORE, SAMUEL ANDREW JOSHUA, GB
[72] TOMS, BENJAMIN CHARLES, GB
[72] FRASER, MARK PETER, GB
[71] SAIETTA GROUP PLC, GB
[85] 2021-07-29
[86] 2020-01-29 (PCT/GB2020/050210)
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[30] GB (1901209.5) 2019-01-29

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[51] **Int.Cl. H02K 21/24 (2006.01) H02K 1/18 (2006.01) H02K 3/04 (2006.01) H02K 3/47 (2006.01) H02K 5/04 (2006.01) H02K 1/27 (2006.01)**
[25] EN
[54] **AXIAL FLUX ELECTRICAL MACHINE**
[54] **MACHINE ELECTRIQUE A FLUX AXIAL**
[72] LINES, CHRISTOPHER ROGER, GB
[71] SAIETTA GROUP PLC, GB
[85] 2021-07-29
[86] 2020-01-29 (PCT/GB2020/050213)
[87] (WO2020/157503)
[30] GB (1901192.3) 2019-01-29

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[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/44 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICES**
[54] **DISPOSITIFS DE DISTRIBUTION D'AEROSOL**
[72] ROSSER, CHRISTOPHER JAMES, GB
[72] SMITH, SIMON JAMES, GB
[72] CHANNON, JOANNE LOUISE, GB
[72] GODFREY, SOPHIA FAYE, GB
[71] CAMBRIDGE CONSULTANTS LIMITED, GB
[85] 2021-07-29
[86] 2020-01-30 (PCT/GB2020/050218)
[87] (WO2020/157506)
[30] GB (1901271.5) 2019-01-30

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[51] **Int.Cl. C07D 253/06 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07C 229/08 (2006.01) C07D 403/10 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **1,2,4-TRIAZIN-3(2H)-ONE COMPOUNDS FOR THE TREATMENT OF HYPERPROLIFERATIVE DISEASES**
[54] **COMPOSES DE 1,2,4-TRIAZIN-3(2H)-ONE POUR LE TRAITEMENT DE MALADIES HYPERPROLIFERATIVES**
[72] GRADL, STEFAN NIKOLAUS, DE
[72] ELLERMANN, MANUEL, DE
[72] LIENAU, PHILIP, DE
[72] KOPITZ, CHARLOTTE CHRISTINE, DE
[72] LANGE, MARTIN, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] SULZLE, DETLEV, DE
[72] LEWIS, TIMOTHY A., US
[72] GREULICH, HEIDI, US
[72] WU, XIAOYUN, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] THE BROAD INSTITUTE, INC., US
[85] 2021-07-29
[86] 2020-01-30 (PCT/EP2020/052287)
[87] (WO2020/157194)
[30] US (62/800126) 2019-02-01

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[13] A1
[51] **Int.Cl. C22F 1/047 (2006.01) B21B 3/00 (2006.01) C22C 21/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SHEET OR STRIP FROM AN ALUMINIUM ALLOY AND A SHEET, STRIP OR MOLDED PART PRODUCED THEREBY**
[54] **PROCEDE DE FABRICATION D'UNE TOLE OU D'UN FEUILLARD EN UN ALLIAGE D'ALUMINIUM AINSI QUE TOLE, FEUILLARD OU PIECE FACONNEE PRODUIT-E PAR CE PROCEDE**
[72] EBENBERGER, PAUL, AT
[72] FRAGNER, WERNER, AT
[72] GEROLD, BODO, DE
[72] POGATSCHER, STEFAN, AT
[72] STEMPER, LUKAS, AT
[72] UGGOWITZER, PETER J., CH
[71] AMAG ROLLING GMBH, AT
[85] 2021-07-29
[86] 2020-01-30 (PCT/EP2020/052375)
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[30] EP (19154632.4) 2019-01-30

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[51] **Int.Cl. F24S 10/30 (2018.01) H02S 40/42 (2014.01) H02S 40/44 (2014.01) F24S 10/50 (2018.01)**
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[54] **HYBRID POWER AND HEAT GENERATING DEVICE**
[54] **DISPOSITIF HYBRIDE DE PRODUCTION D'ENERGIE ET DE CHALEUR**
[72] SAMUELSSON, KENT, SE
[72] STEIER, VILHELM, SE
[71] SAMSTER AB, SE
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[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF OPTOGENETIQUE A L'AIDE D'UNE LOI DE COMMANDE POUR LA PUISSANCE RAYONNANTE D'UNE SOURCE LUMINEUSE ET DISPOSITIFS ASSOCIES**
[72] CHAVAS, JOEL, FR
[72] GALLUPPI, FRANCESCO, FR
[72] GALLE, CHARLIE, FR
[71] GENSIGHT BIOLOGICS, FR
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[54] **PROCESS FOR PRODUCING A CHROMATIN CONFORMATION CAPTURE (3C) LIBRARY**
[54] **PROCEDE DE PRODUCTION D'UNE BANQUE DE CAPTURE DE CONFORMATION DE CHROMATINE (3C)**
[72] DAVIES, JAMES, GB
[72] HUGHES, JAMES R., GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
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[54] **METHOD FOR AUTOMATICALLY SEGMENTING TEETH**
[72] GUILLOT, JULIEN, FR
[71] BOREA, FR
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[54] **PARTICULES ENROBEES D'ANNEXINE**
[72] KRAMMER, PETER, DE
[72] WEYD, HEIKO, DE
[72] BODE, KEVIN, DE
[71] DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS, DE
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[54] **PROCESS OF MAKING 3-(4'-AMINOPHENYL)-2-METHOXYPROPIONIC ACID, AND ANALOGS AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE FABRICATION D'ACIDE 3-(4'-AMINOPHENYL)-2-METHOXYPROPIONIQUE, ET ANALOGUES ET INTERMEDIAIRES DE CELUI-CI**
[72] DEMARTIS, SALVATORE, IT
[72] VITI, FRANCESCA, CH
[72] MCNULTY, MARIE, IE
[71] NOGRA PHARMA LIMITED, IE
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[54] **AN ANTI-RUST COMPOSITION FOR METAL SURFACE AND A METHOD OF ANTI-RUST TREATMENT ON METAL SURFACE**
[54] **COMPOSITION ANTIROUILLE POUR SURFACE METALLIQUE ET PROCEDE DE TRAITEMENT ANTIROUILLE SUR UNE SURFACE METALLIQUE**
[72] WAN, SHENG XING, CN
[72] ZOU, HAI XIA, CN
[71] CHEMETALL GMBH, DE
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[54] **NOUVEAUX DERIVES DE PYRIMIDINE POUR LA PREVENTION ET LE TRAITEMENT D'UNE INFECTION, D'UNE CONTAMINATION ET DE SALISSURES PAR UNE BACTERIE A GRAM NEGATIF**
[72] LANCELLOTTI, PATRIZIO, BE
[72] OURY, CECILE, BE
[72] PIROTTE, BERNARD, BE
[72] MUSUMECI, LUCIA, BE
[72] JACQUES, NICOLAS, BE
[72] GOFFIN, ERIC, BE
[71] UNIVERSITE DE LIEGE, BE
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[54] **A PROTECTIVE STRUCTURE FOR PROTECTIVE GARMENTS AND EQUIPMENT**
[54] **STRUCTURE DE PROTECTION POUR VETEMENTS ET EQUIPEMENT DE PROTECTION**
[72] NYLUND, MAURI, FI
[71] IBP-TECH OY, FI
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[54] **WELLBORE COMMUNICATION METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE COMMUNICATION DE PUITS DE FORAGE**
[72] DULLAGE, BRYAN, GB
[71] EXPRO NORTH SEA LIMITED, GB
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[54] **AMELIORATIONS APPORTEES A UN BROYEUR DE SOUCHES/CHICOTS AVEC UN REGULATEUR DE NIVEAU D'EXCAVATION**
[72] PINA CABRITA DA SILVA RIBEIRO, MANUEL, BR
[71] AGROTRITUS LOCACAO E COMERCIO, LTDA, BR
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[54] **DISPOSITIF DE SOUDAGE ROTATIF**
[72] SPATTI, MAURIZIO, IT
[72] RESMINI, GABRIELE, IT
[72] NOFERINI, GIACOMO, IT
[72] DUCHINI, ANDREA, IT
[72] PIANTONI, MATTEO, IT
[72] SACCOMANI, ALESSANDRO, IT
[72] ROSANI, MARCO, IT
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[54] **REGIME POSOLOGIQUE ET METHODE DE TRAITEMENT DE L'HYPERTENSION ARTERIELLE PULMONAIRE PAR RODATRISTAT ETHYLE**
[72] PALACIOS, MICHELLE, US
[72] GAUKEL, ERIC J., US
[72] WRING, STEPHEN A., US
[72] ALONSO-GAICIA, MAGDALENA, US
[71] ALTAVANT SCIENCES GMBH, CH
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[54] **DEVOLATILISATION DE GRANULES DE PLASTOMERE**
[72] NOORJAHAN, ABOLFAZL, CA
[72] BROWN, STEPHEN, CA
[72] VAN ASSELDONK, LAWRENCE MARTIN JOSEF, CA
[72] VAN ASSELDONK, ROBERT, CA
[72] CAHILL, JEFFREY, CA
[72] DUQUE, CARLOS, CA
[72] OBERG, WILLIAM, CA
[71] NOVA CHEMICALS (INTERNATIONAL) S.A., CH
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[54] **MODULATEUR OPTIQUE DE MACH-ZEHNDER A SEMI-CONDUCTEUR ET MODULATEUR OPTIQUE IQ**
[72] OZAKI, JOSUKE, JP
[72] KANAZAWA, SHIGERU, JP
[72] OGISO, YOSHIHIRO, JP
[72] TANOBE, HIROMASA, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
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[54] **MACHINE DE TRAITEMENT ET PROCEDE DE TRAITEMENT**
[72] UCHIYAMA, KAZUNAO, CN
[72] FUJISAKI, AKIO, CN
[71] HONDA MOTOR CO., LTD., JP
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[54] **ANTI-ANDROGENES POUR LE TRAITEMENT DU CANCER DE LA PROSTATE METASTATIQUE SENSIBLE A LA CASTRATION**
[72] YU, MARGARET K., US
[71] ARAGON PHARMACEUTICALS, INC., US
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[54] **FILM DE REVETEMENT MULTICOUCHE ET PROCEDE DE FORMATION D'UN FILM DE REVETEMENT MULTICOUCHE**
[72] OKAZAKI, HIROKAZU, JP
[72] NARITA, NOBUHIKO, JP
[71] KANSAI PAINT CO., LTD., JP
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[54] **DISPOSITIF DE COMMANDE DE DELIVRANCE DE CARBURANT**
[72] SHIMAMURA, AKIHIRO, JP
[72] SEKI, NAOKI, JP
[72] SUGAWARA, HIROTAKA, JP
[72] YAMAMOTO, YASUHIKO, JP
[71] IHI CORPORATION, JP
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[71] TAOUFIK, HICHAM, MA
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[54] **PROPULSEUR A IMPULSIONS SEQUENTIELLES**
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[54] **PROCEDE ET SYSTEME D'EXTRACTION DE METADONNEES A PARTIR D'UNE SCENE OBSERVEE**
[72] ANDERSEN, TERJE N., NO
[72] ROST, BERNT ERIK, NO
[71] ANDERSEN, TERJE N., NO
[71] ROST, BERNT ERIK, NO
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[54] **DISPOSITIF INTELLIGENT POUR LA PROMOTION DE PRODUITS SUR UNE ETAGERE**
[72] VLAD CLUVE, MIRCEA IOAN, RO
[71] TOKINOMO MARKETING SA, RO
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[54] **ENSEMBLE JOINT EN CHARNIERE POUR SYSTEME DE SUPPORT DE DISPOSITIF MEDICAL**
[72] MOSS, BERNARD JOHN, US
[72] BELLOWS, LANCE CLARK, US
[71] AMERICAN STERILIZER COMPANY, US
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[54] **MODULAR ADAPTERS FOR MEDICAL DEVICE SUPPORT SYSTEM**
[54] **ADAPTATEURS MODULAIRES POUR SYSTEME DE SUPPORT DE DISPOSITIF MEDICAL**
[72] BELLOWS, LANCE CLARK, US
[71] AMERICAN STERILIZER COMPANY, US
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[54] **MESURE DE NON-LINEARITE ET D'ASYMETRIE DE HAUT-PARLEUR**
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[72] MURPHY, JOHN L., US
[71] PARTS EXPRESS INTERNATIONAL, INC., US
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[54] **SYSTEMES ET PROCEDES DE RECUPERATION DE POLYETHYLENE A FAIBLE TENEUR EN COMPOSANTS VOLATILS**
[72] DOOLEY, KENNETH A., US
[72] LOWELL, JEFFREY S., US
[72] CURREN, JOSEPH A., US
[72] KUFELD, SCOTT E., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
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[72] CAREY, DANICA BROOKE, US
[71] SEIRUS INNOVATIVE ACCESSORIES, INC., US
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[54] **CARTE TAP PERMETTANT LA GENERATION SECURISEE DE DONNEES DE CARTE A COPIER SUR UN PRESSE-PAPIERS**
[72] RULE, JEFFREY, US
[72] MORETON, PAUL, US
[72] LUTZ, WAYNE, US
[72] JI, JASON, US
[71] CAPITAL ONE SERVICES, LLC, US
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[54] **PROCEDE DE SYNTHESE ET NOUVEAUX INTERMEDIAIRES**
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[72] PERALES, JOE B., US
[72] BECK, BRENT CHRISTOPHER, US
[72] PANDI, BHARATHI, US
[71] AVISTA PHARMA SOLUTIONS, INC., US
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[54] **SYSTEME DE CLE PUBLIQUE BIOMETRIQUE FOURNISSANT DES JUSTIFICATIFS D'IDENTITE REVOCABLES**
[72] HERDER III, CHARLES H., US
[72] SRIVASTAVA, TINA P., US
[71] BADGE INC., US
[85] 2021-07-29
[86] 2020-01-29 (PCT/US2020/015607)
[87] (WO2020/160101)
[30] US (62/798,608) 2019-01-30

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[51] **Int.Cl. G01S 13/28 (2006.01) G01S 7/28 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR BLIND RANGE RECOVERY ON PULSE COMPRESSION RADARS**
[54] **PROCEDES ET APPAREIL DE RECUPERATION DE ZONE AVEUGLE EN DISTANCE SUR DES RADARS DE COMPRESSION D'IMPULSIONS**
[72] SALAZAR AQUINO, CESAR M., US
[72] PALMER, ROBERT D., US
[72] CHEONG, BOON LENG, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA, US
[85] 2021-07-29
[86] 2020-01-29 (PCT/US2020/015697)
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[30] US (62/798,287) 2019-01-29

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[51] **Int.Cl. C07K 16/30 (2006.01) C12N 5/0783 (2010.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **MICROENVIRONMENT SENSORS TO REGULATE ENGINEERED GENE EXPRESSION**
[54] **CAPTEURS DE MICROENVIRONNEMENT POUR REGULER L'EXPRESSION GENIQUE MODIFIEE**
[72] CRANE, COURTNEY, US
[72] GARDELL, JENNIFER, US
[72] CHINN, HARRISON KIKUO, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2021-07-29
[86] 2020-01-30 (PCT/US2020/015809)
[87] (WO2020/160217)
[30] US (62/800,049) 2019-02-01

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01)**
[25] EN
[54] **USER CONTROL OF ALTERNATE ROUTES**
[54] **COMMANDE D'UTILISATEUR D'ITINERAIRES ALTERNATIFS**
[72] RAO, SHAILENDRA RAMINENI, US
[72] LEUNG, WESLEY KAIJIE, US
[72] SAI, JAYANT BALASUBRAMANIAN, US
[72] VEERAVALLI NAVEEN, KUMAR CHOWDHARY, US
[72] WOOLLEY, SETH ALAN, US
[72] SUH, JANICE JIEUN, US
[72] ATTAYADMAWITTAYA, PAWEENA, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2021-07-29
[86] 2020-01-30 (PCT/US2020/015879)
[87] (WO2020/160269)
[30] US (16/261,983) 2019-01-30

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[13] A1
[51] **Int.Cl. B23K 37/04 (2006.01) B23K 26/70 (2014.01) H01M 8/0206 (2016.01)**
[25] EN
[54] **WELDING JIG DEVICE AND METHOD FOR PRODUCING PART**
[54] **DISPOSITIF DE GABARIT DE SOUDAGE ET PROCEDE DE PRODUCTION POUR COMPOSANT**
[72] INOUE, JUNPEI, JP
[72] GOTO, NORIYUKI, JP
[72] SAKATA, YUICHI, JP
[72] NAGAMATSU, KENTO, JP
[71] NOK CORPORATION, JP
[85] 2021-07-29
[86] 2020-03-03 (PCT/JP2020/008827)
[87] (WO2020/184275)
[30] JP (2019-044468) 2019-03-12

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[13] A1
[51] **Int.Cl. B23K 26/70 (2014.01) B23K 37/04 (2006.01)**
[25] EN
[54] **WELDING JIG DEVICE AND METHOD FOR PRODUCING PART**
[54] **DISPOSITIF DE GABARIT DE SOUDAGE ET SON PROCEDE DE PRODUCTION POUR COMPOSANT**
[72] INOUE, JUNPEI, JP
[72] GOTO, NORIYUKI, JP
[72] SAKATA, YUICHI, JP
[72] NAGAMATSU, KENTO, JP
[71] NOK CORPORATION, JP
[85] 2021-07-29
[86] 2020-03-03 (PCT/JP2020/008828)
[87] (WO2020/184276)
[30] JP (2019-044469) 2019-03-12

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[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **INSTANTLY SOLUBLE PARTICLE AND METHOD FOR PRODUCING THE SAME**
[54] **PARTICULE INSTANTANEMENT SOLUBLE ET SON PROCEDE DE PRODUCTION**
[72] MORITANI, TATSURU, JP
[72] MORINAGA, TADAHIKO, JP
[72] SATO, YUICHI, JP
[71] RICOH COMPANY, LTD., JP
[85] 2021-07-29
[86] 2020-06-25 (PCT/JP2020/025026)
[87] (WO2020/262536)
[30] JP (2019-118289) 2019-06-26
[30] JP (2020-096960) 2020-06-03

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/74 (2015.01) A61P 17/00 (2006.01) A61P 31/04 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTION, AMELIORATION, OR TREATMENT OF SKIN DISEASE**
[54] **COMPOSITION PHARMACEUTIQUE PERMETTANT LA PREVENTION, L'AMELIORATION OU LE TRAITEMENT DE MALADIES DE LA PEAU**
[72] ITO, YOSHIHIRO, JP
[72] HONDA, KENYA, JP
[72] AMAGAI, MASAYUKI, JP
[72] KAWAKAMI, EIRYO, JP
[71] RIKEN, JP
[71] KEIO UNIVERSITY, JP
[85] 2021-07-29
[86] 2020-02-03 (PCT/JP2020/003957)
[87] (WO2020/162405)
[30] JP (2019-017882) 2019-02-04

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[51] **Int.Cl. C12Q 1/37 (2006.01) A61B 5/1468 (2006.01) G01N 33/487 (2006.01) G01N 33/547 (2006.01)**
[25] EN
[54] **BIOELECTRONIC CIRCUITS, SYSTEMS AND METHODS FOR PREPARING AND USING THEM**
[54] **CIRCUITS BIOELECTRONIQUES, SYSTEMES ET PROCEDES DE PREPARATION ET D'UTILISATION DE CEUX-CI**
[72] LINDSAY, STUART, US
[72] ZHANG, BINTIAN, US
[72] DENG, HANQING, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[85] 2021-07-29
[86] 2020-01-30 (PCT/US2020/015931)
[87] (WO2020/160300)
[30] US (62/799,006) 2019-01-30

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[13] A1
[51] **Int.Cl. B29C 44/32 (2006.01) B23B 3/00 (2006.01) B29C 70/12 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING LOFTING AGENT RETENTION USING BICOMPONENT FIBERS**
[54] **PROCEDES D'AMELIORATION DE LA RETENTION D'AGENT GONFLANT A L'AIDE DE FIBRES A DEUX COMPOSANTS**
[72] WANG, RUOMIAO, US
[71] HANWA AZDEL, INC., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016033)
[87] (WO2020/160360)
[30] US (62/800,307) 2019-02-01

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[51] **Int.Cl. B29C 44/12 (2006.01) B29C 65/70 (2006.01) B32B 37/04 (2006.01) B60J 7/00 (2006.01) D01D 5/30 (2006.01) D01F 8/04 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT REINFORCED THERMOPLASTIC COMPOSITE ARTICLES INCLUDING BICOMPONENT FIBERS**
[54] **ARTICLES COMPOSITES THERMOPLASTIQUES RENFORCES LEGERS COMPRENANT DES FIBRES BICOMPOSEES**
[72] WANG, RUOMIAO, US
[72] CHEN, HONGYU, US
[71] HANWA AZDEL, INC., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016036)
[87] (WO2020/160362)
[30] US (62/800,307) 2019-02-01
[30] US (62/874,036) 2019-07-15

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[51] **Int.Cl. D06F 39/08 (2006.01) D06F 39/14 (2006.01)**
[25] EN
[54] **LAUNDRY MACHINE KIT TO ENABLE CONTROL OF WATER LEVELS, RECIRCULATION, AND SPRAY OF CHEMISTRY**
[54] **KIT DE MACHINE A LAVER LE LINGE PERMETTANT LA COMMANDE DES NIVEAUX D'EAU, LA RECIRCULATION ET LA PULVERISATION DE PRODUITS CHIMIQUES**
[72] PAULSON-VU, LOAN, US
[72] BULL, JESSICA, US
[72] TAYLOR, BARRY R., US
[72] MONSRUD, LEE, US
[72] GHOSH, KAUSTAV, US
[72] MOHS, THOMAS R., US
[71] ECOLAB USA INC., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016072)
[87] (WO2020/160390)
[30] US (62/799,334) 2019-01-31

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[13] A1
[51] **Int.Cl. D06F 39/00 (2020.01) D06F 39/08 (2006.01)**
[25] EN
[54] **RINSE WATER REUSE SYSTEM AND METHODS OF USE**
[54] **SYSTEME DE REUTILISATION D'EAU DE RINCAGE ET PROCEDES D'UTILISATION**
[72] TAYLOR, BARRY R., US
[72] HANTZSCH, ALYSSA ANA, US
[72] MONSRUD, LEE, US
[72] GHOSH, KAUSTAV, US
[72] PAULSON-VU, LOAN, US
[71] ECOLAB USA INC., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016080)
[87] (WO2020/160396)
[30] US (62/799,369) 2019-01-31

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[13] A1
[51] **Int.Cl. D06F 39/08 (2006.01) D06F 33/34 (2020.01)**
[25] EN
[54] **CONTROLLING WATER LEVELS AND DETERGENT CONCENTRATION IN A WASH CYCLE**
[54] **REGULATION DES NIVEAUX D'EAU ET DE LA CONCENTRATION DE DETERGENT DANS UN CYCLE DE LAVAGE**
[72] GHOSH, KAUSTAV, US
[72] MONSRUD, LEE, US
[72] PAULSON-VU, LOAN, US
[72] TAYLOR, BARRY R., US
[71] ECOLAB USA INC., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016136)
[87] (WO2020/160425)
[30] US (62/799,496) 2019-01-31

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[51] **Int.Cl. E21B 19/00 (2006.01) B25J 9/00 (2006.01) B25J 11/00 (2006.01) E21B 19/06 (2006.01) E21B 19/084 (2006.01) E21B 19/087 (2006.01)**
[25] EN
[54] **TUBULAR STRING BUILDING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONSTRUCTION DE TRAIN DE TIGES TUBULAIRE**
[72] DONNALLY, ROBERT BENJAMIN, US
[72] LIN, LIU XI, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016162)
[87] (WO2020/160440)
[30] US (62/799,538) 2019-01-31

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[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR DIAGNOSING OVARIAN CANCER**
[54] **BIOMARQUEURS POUR LE DIAGNOSTIC DU CANCER DE L'OVAIRE**
[72] XU, GEGE, US
[72] DANAN-LEON, LIEZA MARIE ARAULLO, US
[72] SERIE, DANIEL, US
[71] VENN BIOSCIENCES CORPORATION, US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016286)
[87] (WO2020/160515)
[30] US (62/800,323) 2019-02-01

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[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) A61K 39/395 (2006.01) C07K 14/705 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **SENOLYTIC CAR-T CELLS TARGETING UPAR, A CELL SURFACE AND SECRETED SENESCENCE BIOMARKER**
[54] **CELLULES CAR-T ANTISENESCENCE CIBLANT UPAR, SURFACE CELLULAIRE ET BIOMARQUEUR DE SENESCENCE SECRETE**
[72] SADELAIN, MICHEL, US
[72] LOWE, SCOTT, US
[72] LEIBOLD, JOSEF, US
[72] AMOR, CORINA, US
[72] FEUCHT, JUDITH, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2021-07-29
[86] 2020-01-31 (PCT/US2020/016290)
[87] (WO2020/160518)
[30] US (62/800,188) 2019-02-01

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[51] **Int.Cl. A61H 23/00 (2006.01) A61H 19/00 (2006.01) A61H 21/00 (2006.01) A61H 23/02 (2006.01) A63B 23/20 (2006.01)**
[25] EN
[54] **ADJUSTABLE APPARATUS, SYSTEM, AND METHOD FOR CELLULAR RESTRUCTURING**
[54] **PROCEDE, SYSTEME ET APPAREIL REGLABLES POUR LA RESTRUCTURATION CELLULAIRE**
[72] DERY, LUKE, US
[72] LEIVSETH, GUNNAR, NO
[72] OLSEN, OLE JAKOB, NO
[72] WAHLSTROM, DALE, US
[71] DERY, LUKE, US
[71] LEIVSETH, GUNNAR, NO
[71] OLSEN, OLE JAKOB, NO
[71] WAHLSTROM, DALE, US
[85] 2021-07-28
[86] 2020-02-01 (PCT/US2020/016298)
[87] (WO2020/160525)
[30] US (62/800,234) 2019-02-01

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[51] **Int.Cl. G01R 31/389 (2019.01) A41D 31/26 (2019.01) A41D 13/008 (2006.01) A41D 19/015 (2006.01) G01R 1/067 (2006.01) G01R 19/155 (2006.01) G01R 31/36 (2020.01)**
[25] FR
[54] **DEVICE FOR CHECKING LACK OF VOLTAGE IN AN ELECTRIC CIRCUIT**
[54] **DISPOSITIF DE VERIFICATION D'ABSENCE DE TENSION D'UN CIRCUIT ELECTRIQUE**
[72] CAZOR, THOMAS, FR
[72] ARBET-PONT, MATHIAS, FR
[71] NEORATECH, FR
[85] 2021-07-30
[86] 2020-01-31 (PCT/FR2020/050155)
[87] (WO2020/161415)
[30] FR (1901198) 2019-02-06

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CANCER TREATMENT WITH ROR1 ANTIBODY IMMUNOCONJUGATES**
[54] **TRAITEMENT DU CANCER AVEC DES IMMUNOCONJUGUES D'ANTICORPS ROR1**
[72] MILLER, LANGDON, US
[72] LANNUTTI, BRIAN, US
[72] JESSEN, KATTI, US
[71] VELOSBIO INC., US
[85] 2021-07-29
[86] 2020-02-01 (PCT/US2020/016301)
[87] (WO2020/160527)
[30] US (62/800,187) 2019-02-01

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[13] A1
[51] **Int.Cl. A01N 25/22 (2006.01) A01N 43/653 (2006.01) A01N 59/20 (2006.01)**
[25] EN
[54] **PRESERVATIVE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE CONSERVATION ET LEURS PROCEDES D'UTILISATION**
[72] MILCZEK, ERIKA, US
[72] COSTA, SIMONE, US
[72] SHINDEL, WILL, US
[71] CURIE CO. INC., US
[85] 2021-07-29
[86] 2020-03-05 (PCT/US2020/021211)
[87] (WO2020/181099)
[30] US (62/814,582) 2019-03-06

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[13] A1
[51] **Int.Cl. C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT EXPLANT TRANSFORMATION**
[54] **TRANSFORMATION D'EXPLANT DE PLANTE**
[72] ARLING, MAREN L, US
[72] CHANG, SHUJUN, US
[72] GORDON-KAMM, WILLIAM JAMES, US
[72] SANYOUR-DOYEL, NATHALIE, US
[72] SARDESAI, NAGESH, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[71] CORTEVA AGRISCIENCE LLC, US
[85] 2021-07-29
[86] 2020-03-26 (PCT/US2020/024814)
[87] (WO2020/198408)
[30] US (62/824,746) 2019-03-27

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[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/551 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BICYCLIC PYRIDINE COMPOSITIONS AND METHODS OF USING THE SAME FOR CANCER THERAPY**
[54] **COMPOSITIONS DE PYRIDINE BICYCLIQUE ET PROCEDES POUR LEUR UTILISATION POUR LA THERAPIE DU CANCER**
[72] RONINSON, IGOR B., US
[72] CHEN, MENGQIAN, US
[72] LI, JING, US
[72] LIANG, JIAXIN, US
[72] ZHANG, LI, US
[72] MCINNES, CAMPBELL, US
[71] UNIVERSITY OF SOUTH CAROLINA, US
[71] SENEX BIOTECHNOLOGY, INC, US
[85] 2021-07-29
[86] 2020-02-03 (PCT/US2020/016394)
[87] (WO2020/160537)
[30] US (62/800,239) 2019-02-01

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[13] A1
[51] **Int.Cl. C08G 18/75 (2006.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) C08K 3/013 (2018.01) A43B 1/00 (2006.01) A43B 23/00 (2006.01) C08G 18/10 (2006.01) C08G 18/24 (2006.01) C08G 18/48 (2006.01) C08G 18/50 (2006.01) C08G 18/72 (2006.01) C08G 18/73 (2006.01) C08G 18/78 (2006.01) C08G 18/79 (2006.01) C08K 3/22 (2006.01) C08L 75/02 (2006.01) C08L 75/08 (2006.01)**
[25] EN
[54] **RUBBER REPLACEMENT ARTICLES AND THEIR USE AS FOOTWEAR COMPONENTS**
[54] **ARTICLES DE REMPLACEMENT DU CAOUTCHOUC ET LEUR UTILISATION EN TANT QUE COMPOSANTS D'ARTICLES CHAUSSANTS**
[72] MILLERO, EDWARD R. JR., US
[72] KUTCHKO, CYNTHIA, US
[72] KABAGAMBE, BENJAMIN, US
[72] WINTERS, CHRISTINA, US
[72] KRALIC, RONALD J., JR., US
[72] DONALDSON, SUSAN FUNDY, US
[72] BREON, JONATHAN P., US
[72] ZHOU, HONGYING, US
[72] FENG, XUDONG, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2021-07-29
[86] 2020-02-03 (PCT/US2020/016412)
[87] (WO2020/163233)
[30] US (16/266,894) 2019-02-04

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6883 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **STRATIFICATION OF RISK OF VIRUS ASSOCIATED CANCERS**
[54] **STRATIFICATION DU RISQUE DE CANCERS ASSOCIES A UN VIRUS**
[72] LO, YUK-MING DENNIS, CN
[72] CHIU, ROSSA WAI KWUN, CN
[72] CHAN, KWAN CHEE, CN
[72] JIANG, PEIYONG, CN
[72] LAM, WAI KEI, CN
[72] JI, LU, CN
[71] GRAIL, INC., US
[85] 2021-07-29
[86] 2020-04-01 (PCT/US2020/026269)
[87] (WO2020/206041)
[30] US (62/828,224) 2019-04-02
[30] US (62/961,517) 2020-01-15

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[13] A1
[51] **Int.Cl. B29C 45/72 (2006.01) B29C 33/02 (2006.01) B29C 33/04 (2006.01) B29C 45/73 (2006.01) B29C 49/48 (2006.01)**
[25] EN
[54] **TOOL ASSEMBLY FOR MANUFACTURING PARTS AND A METHOD OF PRODUCING A TOOLING ASSEMBLY**
[54] **ENSEMBLE MOULE DESTINE A LA FABRICATION DE PIECES ET PROCEDE DE PRODUCTION D'UN ENSEMBLE DE MOULAGE**
[72] WALDESTRAND, IRIS GISEY EUAN, US
[72] HOLDER, KEVIN MICHAEL, US
[72] ZAHNER, BRYAN SCOTT, US
[72] STOCKTON, ALEXANDER, US
[72] TEIPEL, ELISA MARINA, US
[72] TEIPEL, BLAKE RYLAND, US
[71] ESSENTIUM, INC., US
[85] 2021-07-05
[86] 2018-11-27 (PCT/US2018/062605)
[87] (WO2019/104320)
[30] US (62/591,015) 2017-11-27

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[13] A1
[51] **Int.Cl. B27N 3/12 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING AND FINISHING IMPROVED ENGINEERED WOOD SIDING**
[54] **PROCEDE DE FABRICATION ET DE FINITION D'UN BARDAGE EN BOIS D'INGENIERIE AMELIORE**
[72] MERRICK, G. PAUL, US
[72] STACKHOUSE, DAVID L., US
[72] OLSON, LANCE, US
[72] ST. GERMAIN, BRIAN, US
[72] WYATT, TOMMY R., US
[72] BILLINGS, ERIC C., US
[71] LOUISIANA-PACIFIC CORPORATION, US
[85] 2021-07-29
[86] 2020-02-03 (PCT/US2020/016438)
[87] (WO2020/160552)
[30] US (62/799,809) 2019-02-01

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[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **ONE TO MANY MESSAGING PLATFORM**
[54] **PLATEFORME DE MESSAGERIE UN VERS PLUSIEURS**
[72] PELTIER, MATTHEW, US
[72] ROSENHECK, JOSH, US
[72] HELLER, NOAH, US
[72] STEINGLASS, BARRY, US
[72] PERKINS, LARS, US
[72] KOCI, TOMAS, US
[72] RUBIN, ALEC, US
[71] COMMUNITY.COM, INC., US
[85] 2021-07-29
[86] 2020-02-03 (PCT/US2020/016454)
[87] (WO2020/160558)
[30] US (62/800,403) 2019-02-01

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[13] A1
[51] **Int.Cl. H01Q 1/02 (2006.01) H01Q 21/00 (2006.01) H01Q 21/06 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **MODULAR ELECTRONICALLY SCANNED ARRAY (ESA)**
[54] **RESEAU A BALAYAGE ELECTRONIQUE (ESA) MODULAIRE**
[72] GAMALSKI, ANDREW DAVID, US
[72] BROWN, ANDREW K., US
[72] HIMBAZA, DARREN, US
[72] BROWN, KENNETH W., US
[71] RAYTHEON COMPANY, US
[85] 2021-07-29
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[54] **ANTI-NME ANTIBODY AND METHOD OF TREATING CANCER OR CANCER METASTASIS**
[54] **ANTICORPS ANTI-NME ET METHODE DE TRAITEMENT DU CANCER OU DE METASTASES CANCEREUSES**
[72] BAMDAD, CYNTHIA, US
[72] SMAGGHE, BENOIT, US
[71] MINERVA BIOTECHNOLOGIES CORPORATION, US
[85] 2021-07-29
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[54] **MEMBRANE PROTEIN SCAFFOLDS FOR EXOSOME ENGINEERING**
[54] **ECHAFAUDAGES DE PROTEINES MEMBRANAIRES POUR INGENIERIE D'EXOSOMES**
[72] DOOLEY, KEVIN P., US
[72] WILLIAMS, DOUGLAS E., US
[72] THORNTON, JAMES E., US
[71] CODIAK BIOSCIENCES, INC., US
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[54] **CELL CONCENTRATION METHODS AND DEVICES FOR USE IN AUTOMATED BIOREACTORS**
[54] **METHODES ET DISPOSITIFS DE CONCENTRATION CELLULAIRE DESTINES A ETRE UTILISES DANS DES BIOREACTEURS AUTOMATISES**
[72] O'CONNOR, JOSEPH, US
[72] MCAFEE, ERIKA, US
[72] BANDAPALLE, SAMATHA, US
[72] SHI, YALING, US
[72] ABRAHAM, EYTAN, US
[71] LONZA WALKERSVILLE, INC., US
[85] 2021-07-29
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[54] **ACETABULAR LINER**
[54] **DOUBLURE D'ESSAI ACETABULAIRE**
[72] WILLS, KEVIN MICHAEL, US
[72] SHALLENBERG, ADAM, US
[71] ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL), US
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[54] **NOVEL ANTIMICROBIAL LANTIBIOTIC PEPTIDE AND USES THEREOF**
[54] **NOUVEAU PEPTIDE LANTIBIOTIQUE ANTIMICROBIEN ET UTILISATIONS ASSOCIEES**
[72] KARCZEWSKI, JERZY, US
[72] STREATFIELD, STEPHEN JOHN, US
[72] MAEZATO, YUKARI, US
[72] KRASUCKI, STEPHEN PETER, US
[72] BROWN, CHRISTINE MIKEL, US
[72] YUSIBOV, VIDADI, US
[71] FRAUNHOFER USA, INC., US
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[54] **DECORATED DENTAL APPLIANCES AND METHODS FOR PRODUCING SAME**
[54] **APPAREILS DENTAIRES DECORES ET LEURS PROCEDES DE PRODUCTION**
[72] SACKS, ERIC MARSHALL, US
[72] FISCHER, MATTHEW, US
[71] DENTAGRAFIX, LLC, US
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[54] **IMPROVED INSERTION MAGNETIC METERS AND METHODS**
[54] **COMPTEURS MAGNETIQUES A INSERTION AMELIOREE ET PROCEDES**
[72] VALENTINE, WILLIAM S., US
[72] UPHAM, MICHAEL, US
[72] HOLLER, KEVIN, US
[72] SHEPPARD, ADAM, US
[71] ONICON INCORPORATED, US
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[54] **ANTIBODIES RECOGNIZING TAU**
[54] **ANTICORPS RECONNAISSANT LA PROTEINE TAU**
[72] DOLAN, PHILIP JAMES, III, US
[72] NIJJAR, TARLOCHAN S., US
[72] ALEXANDER, SVETLANA, US
[72] BARBOUR, ROBIN, US
[72] TAM, STEPHEN JED, US
[71] PROTHENA BIOSCIENCES LIMITED, IE
[85] 2021-07-29
[86] 2020-02-07 (PCT/US2020/017357)
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[25] EN
[54] **WEAR ASSEMBLY FOR EARTH WORKING EQUIPMENT**
[54] **ENSEMBLE D'USURE POUR EQUIPEMENT DE TERRASSEMENT**
[72] HERNANDEZ, ABRAM, US
[72] MERAZ-TORRES, YESENIA, US
[72] JOHNSTON, CHRISTOPHER A., US
[71] ESCO GROUP LLC, US
[85] 2021-07-29
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[54] **MECHANICAL FACE SEAL ASSEMBLY SUITABLE FOR PRESSURE REVERSAL**
[54] **ENSEMBLE D'ETANCHEITE A BAGUES GLISSANTES ADAPTE POUR L'INVERSION DE PRESSION**
[72] DROSCHER, PETER, DE
[72] REISCHL, ROBERT, DE
[72] STEMPLINGER, THOMAS, DE
[72] SCHOLZ, CARSTEN, DE
[71] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
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[54] **PROCESSING ORES CONTAINING PRECIOUS METALS**
[54] **TRAITEMENT DE MINERAIS CONTENANT DES METAUX PRECIEUX**
[72] O'CALLAGHAN, JOHN, AU
[71] NEWCREST MINING LIMITED, AU
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[54] **SAMPLING FOR MONITORING PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN SURFACE WATER, GROUNDWATER AND PORE WATER**
[54] **ECHANTILLONNAGE POUR SURVEILLER DES SUBSTANCES PER-ET POLYFLUOROALKYLES (PFAS) DANS DE L'EAU DE SURFACE, DES EAUX SOUTERRAINES ET DE L'EAU INTERSTITIELLE**
[72] KALTENBERG, ELIZA M., US
[72] PALA, FRANCO, US
[72] DASU, KAVITHA, US
[72] GRIESEMER, FRED, US
[72] WESTLAKE, BRADLEY, US
[72] NANES, GEORGE, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2021-07-29
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[54] **ROTOR BLADE FOR A WIND TURBINE**
[54] **PALE DE ROTOR POUR EOLIENNE**
[72] WEPFER, HANS, CH
[71] WEPFER TECHNICS AG, CH
[85] 2021-07-30
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[25] EN
[54] **FORMULATIONS FOR IMPROVING THE DELIVERY OF HYDROPHOBIC AGENTS**
[54] **FORMULATIONS PERMETTANT D'AMELIORER L'ADMINISTRATION D'AGENTS HYDROPHOBES**
[72] HEKIMI, SIEGFRIED, CA
[72] WANG, YING, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[85] 2021-07-30
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[25] EN
[54] **METHOD AND SYSTEM FOR MEASURING IN-EAR EFFECTIVE SOUND EXPOSURE UNDER AN EARPLUG OR WITHOUT AN EARPLUG AND FOR DETERMINING A WEARER INDUCED DISTURBANCE**
[54] **PROCEDE ET SYSTEME DE MESURE D'UNE EXPOSITION A DES SONS INTRA-AURICULAIRE EFFECTIVE AVEC OU SANS BOUCHON D'OREILLE ET DE DETERMINATION D'UNE PERTURBATION INDUITE DU PORTEUR**
[72] BONNET, FABIEN, CA
[72] NELISSE, HUGUES, CA
[72] NOGAROLLI, MARCOS, CA
[72] VOIX, JEREMIE, CA
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
[71] IRSST - INSTITUT DE RECHERCHE EN SANTE ET EN SECURITE DU TRAVAIL DU QUEBEC, CA
[85] 2021-07-30
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[25] EN
[54] **METHODS OF MAKING AND USING PHYTOCANNABINOIDS COMPLEXED WITH A PROTEIN, PEPTIDE, AMINO ACID, POLYSACCHARIDE, DISACCHARIDE, OR MONOSACCHARIDE**
[54] **PROCEDES DE FABRICATION ET D'UTILISATION DE PHYTOCANNABINOIDES COMPLEXES AVEC UNE PROTEINE, UN PEPTIDE, UN ACIDE AMINE, UN POLYSACCHARIDE, UN DISACCHARIDE, UN UN ORMONOSACCHARIDE**
[72] CHANCEY, JOHN R., US
[71] CHANCEY, JOHN R., US
[85] 2021-07-29
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[54] **RADIOTRACEUR A DOUBLE MODE DE LIAISON AU PSMA ET THERAPEUTIQUE**
[72] WURZER, ALEXANDER JOSEF, DE
[72] WESTER, HANS-JURGEN, DE
[72] EIBER, MATTHIAS JOHANNES, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN - KLINIKUM RECHTS DER ISAR, DE
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[54] **METHOD AND APPARATUS FOR REMOTE CONTROL AND MONITORING OF HEAT-TREATMENT EQUIPMENT**
[54] **PROCEDE ET APPAREIL DE COMMANDE ET DE SURVEILLANCE A DISTANCE D'UN EQUIPEMENT DE TRAITEMENT THERMIQUE**
[72] MACARTHUR, DAVID NORMAN, CA
[71] SUPERHEAT FGH TECHNOLOGIES INC., CA
[85] 2021-07-30
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[54] **VACUUM-BASED END EFFECTOR FOR ENGAGING PARCELS**
[54] **EFFECTEUR TERMINAL BASE SUR LE VIDE POUR LA MISE EN PRISE DE COLIS**
[72] DOUGLAS, JOSIAH, US
[72] WITTMER, KURT MICHAEL, US
[72] MCCUE, MICHAEL ALAN, US
[72] CALDWELL, DAVID W., II, US
[72] STURM, GREGORY ROBERT, US
[72] STURM, DEREK ROBERT, US
[72] HILLERICH, THOMAS ANTHONY, JR., US
[71] MATERIAL HANDLING SYSTEMS, INC., US
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[54] **METHOD AND SYSTEM FOR RE-REFINING AND UPGRADING USED OIL**
[54] **PROCEDE ET SYSTEME DE RERAFFINAGE ET DE VALORISATION D'HUILE USAGEE**
[72] DRIEDGER, GORDON, CA
[72] MOORE, ZACHARY, CA
[71] REGEN III CORP., CA
[85] 2021-07-30
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[54] **RETAINERS FOR RESTORING, REPAIRING, REINFORCING, PROTECTING, INSULATING AND/OR CLADDING STRUCTURES**
[54] **DISPOSITIFS DE RETENUE PERMETTANT DE RESTAURER, REPARER, RENFORCER, PROTEGER, ISOLER ET/OU HABILLER DES STRUCTURES**
[72] ZINMAN, MARC DANIEL KEAN, CA
[72] RICHARDSON, GEORGE DAVID, CA
[72] KRIVULIN, SEMION, CA
[71] CFS CONCRETE FORMING SYSTEMS INC., CA
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[86] 2020-02-07 (PCT/CA2020/050172)
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[30] US (62/803,301) 2019-02-08

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[54] **AGENTS D'IMAGERIE POUR LE DIAGNOSTIC DU CANCER**
[72] WURZER, ALEXANDER JOSEF, DE
[72] WESTER, HANS-JURGEN, DE
[72] EIBER, MATTHIAS JOHANNES, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
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[25] EN
[54] **TECHNIQUES FOR ADVANCING PLAYBACK OF INTERACTIVE MEDIA TITLES IN RESPONSE TO USER SELECTIONS**
[54] **TECHNIQUES D'AVANCEMENT DE LA LECTURE DE TITRES MULTIMEDIAS INTERACTIFS EN REPONSE A DES SELECTIONS D'UTILISATEUR**
[72] WATSON, MARK, US
[71] NETFLIX, INC., US
[85] 2021-07-29
[86] 2020-02-11 (PCT/US2020/017713)
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[30] US (16/273,082) 2019-02-11

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[54] **DEEP ORBITAL ACCESS RETRACTOR**
[54] **RETRACTEUR D'ACCES ORBITAL PROFOND**
[72] EDWARDS, GLENN PATRICK, CA
[72] FIALKOV, JEFFREY ALLAN, CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
[85] 2021-07-30
[86] 2020-02-11 (PCT/CA2020/050181)
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[54] **HERBICIDAL COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES**
[72] WILLETTS, NIGEL JAMES, GB
[72] HALL, GAVIN JOHN, GB
[72] THOMSON, NIALL RAE, GB
[72] FELLMANN, JULIA, CH
[72] WUERFFEL, RAYMOND JOSEPH, US
[72] SONAWANE, RAVINDRA, IN
[72] PHADTE, MANGALA, IN
[72] KANDUKURI, SANDEEP REDDY, IN
[72] ARMSTRONG, SARAH, GB
[72] NG, SEAN, GB
[72] MCGRANAGHAN, ANDREA, GB
[72] SCUTT, JAMES NICHOLAS, GB
[72] MOORHOUSE, SIAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
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[87] (WO2020/164922)
[30] IN (201911006088) 2019-02-15
[30] IN (201911025822) 2019-06-28

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[51] **Int.Cl. A61K 38/13 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **WS-635 USES THEREOF IN MEDICINE**
[54] **UTILISATIONS DE WS-635 EN MEDECINE**
[72] ZHANG, FAMING, CN
[72] CUI, JIAN, CN
[72] YU, YAO, CN
[72] HU, MINGLONG, CN
[72] XIE, ZHONGCONG, US
[71] WATERSTONE PHARMACEUTICALS (WUHAN) CO., LTD., CN
[71] THE GENERAL HOSPITAL CORPORATIN, US
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[54] **REAR PANEL ASSEMBLY OF WINDOW AIR CONDITIONER, WINDOW AIR CONDITIONER, AND WINDOW AIR CONDITIONER APPARATUS**
[54] **ENSEMBLE DE PLAQUE D'ENCERCLEMENT ARRIERE DE CLIMATISEUR DE TYPE FENETRE, CLIMATISEUR DE TYPE FENETRE ET DISPOSITIF DE CLIMATISEUR DE TYPE FENETRE**
[72] LIU, YU, CN
[72] XING, ZHIGANG, CN
[72] ZHANG, KANGWEN, CN
[72] LEI, ZHISHENG, CN
[72] YU, HUI, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2021-07-30
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[30] CN (201920188024.2) 2019-02-03
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[30] CN (201920188022.3) 2019-02-03
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[54] **WEARABLE DEVICE**
[54] **DISPOSITIF PORTABLE**
[72] HUANG, CHIEN-WEN, CN
[71] NEW CHINESE BIOTECHNOLOGY CORPORATION LTD., TW
[85] 2021-07-30
[86] 2020-01-10 (PCT/CN2020/071378)
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[30] CN (201910104517.8) 2019-02-01

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[54] **USE OF MOLTEN SALT TO SEPARATE CARBON FROM A MOLTEN METAL CATALYST**
[54] **UTILISATION DE SEL FONDU POUR SEPARER LE CARBONE D'UN CATALYSEUR METALLIQUE FONDU**
[72] GOETHEER, EARL LAWRENCE VINCENT, NL
[72] BHARDWAJ, RAJAT, NL
[72] ROELANDS, CORNELIS PETRUS MARCUS, NL
[72] LINDERS, MARCO JOHANNES GERARDUS, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[87] (WO2020/161192)
[30] EP (19155600.0) 2019-02-05

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[54] **CHARGING CIRCUIT AND ELECTRONIC DEVICE**
[54] **CIRCUIT DE CHARGE ET DISPOSITIF ELECTRONIQUE**
[72] LI, ZHENDONG, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2021-07-30
[86] 2020-01-14 (PCT/CN2020/071935)
[87] (WO2020/156141)
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[51] **Int.Cl. H04W 12/08 (2021.01)**
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[54] **COMMUNICATION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE COMMUNICATION**
[72] GENG, TINGTING, CN
[72] YAN, LE, CN
[72] ZENG, QINGHAI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-07-30
[86] 2020-01-23 (PCT/CN2020/074026)
[87] (WO2020/156488)
[30] CN (201910098742.5) 2019-01-31
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[25] EN
[54] **AROMATIC RING OR HETEROAROMATIC RING COMPOUNDS, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF**
[54] **COMPOSES CYCLIQUES AROMATIQUES OU CYCLIQUES HETEROAROMATIQUES, PROCEDE DE PREPARATION CORRESPONDANT ET UTILISATION MEDICALE ASSOCIEE**
[72] YIN, HUIJUN, CN
[72] YAN, XU, CN
[72] ZONG, LIBIN, CN
[72] SHI, JIANXIN, CN
[72] LIU, CHUNYAN, CN
[72] ZHANG, SHOULIANG, CN
[72] LU, JIAWEI, CN
[72] LI, HAO, CN
[71] THE NATIONAL INSTITUTES OF PHARMACEUTICAL R&D CO., LTD., CN
[85] 2021-07-30
[86] 2020-01-17 (PCT/CN2020/072763)
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[25] EN
[54] **WIND TURBINE SUITABLE FOR MOUNTING ON EXISTING MAST SUCH AS STREET LAMP**
[54] **EOLIENNE ADAPTEE POUR ETRE MONTEE SUR UN MAT EXISTANT TEL QU'UN LAMPADAIRE**
[72] SANDERSON, JOHN, GB
[72] THOMPSON, BARRY, GB
[71] ALPHA 311 LIMITED, GB
[85] 2021-07-30
[86] 2020-01-30 (PCT/EP2020/052326)
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[25] EN
[54] **DEZOCINE DERIVATIVE AND MEDICAL USE THEREOF**
[54] **DERIVE DE DEZOCINE ET SON UTILISATION MEDICALE**
[72] SHAO, LIMING, CN
[72] HU, TAO, CN
[72] XU, HAOYU, CN
[72] CHEN, LINGWU, CN
[72] ZOU, YIQUAN, CN
[72] CAI, WEI, CN
[72] YANG, XICHENG, CN
[72] LI, HAODONG, CN
[72] XUE, DENGQI, CN
[71] YANGTZE RIVER PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2021-07-30
[86] 2020-01-31 (PCT/CN2020/074131)
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[30] CN (201910106523.7) 2019-02-02

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[25] EN
[54] **HUMANIZED ANTI-ASS MONOCLONAL ANTIBODY AND USE THEREOF**
[54] **ANTICORPS MONOCLONAL ANTI-AS HUMANISE ET SON UTILISATION**
[72] FENG, XIAO, CN
[72] LIANG, YANGQIU, CN
[72] JIN, LEI, CN
[72] SUN, DAWEI, CN
[72] WANG, TAO, CN
[72] XIAO, LIANG, CN
[72] LIU, SHUANG, CN
[72] CHEN, YUHENG, CN
[72] LI, ZHENGYI, CN
[71] CHANGCHUN GENESCIENCE PHARMACEUTICAL CO., LTD., CN
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[86] 2020-01-17 (PCT/CN2020/072629)
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[25] EN
[54] **JANUS KINASE (JAK) FAMILY INHIBITOR, PREPARATION OF SAME, AND APPLICATIONS THEREOF**
[54] **INHIBITEUR DE LA FAMILLE DES JANUS KINASES (JAK), SA PREPARATION ET SES APPLICATIONS**
[72] WU, YONG, CN
[72] GONG, YANCHUN, CN
[72] ZHOU, WENBIN, CN
[72] QIN, DAAN, CN
[72] ZHANG, YA, CN
[72] LIU, YONGQIANG, CN
[71] JIANGSU VCARE PHARMATECH CO., LTD., CN
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[25] EN
[54] **STIFFNESS ENHANCING MECHANISM FOR MAGNETIC SUSPENSION BEARING, MAGNETIC SUSPENSION BEARING AND BLOOD PUMP**
[54] **MECANISME DE GAIN DE RIGIDITE POUR PALIER DE SUSPENSION MAGNETIQUE, PALIER DE SUSPENSION MAGNETIQUE ET POMPE D'ASSISTANCE CIRCULATOIRE**
[72] HSU, CHIAHAO, CN
[72] HSU, POLIN, CN
[72] YEN, IFAN, CN
[72] LOGAN, THOMAS GEORGE, CN
[71] MAGASSIST, INC., CN
[85] 2021-07-30
[86] 2020-01-20 (PCT/CN2020/073208)
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[54] **EVOLVED PACKET DATA CONVERGENCE PROTOCOL DUPLICATION**
[54] **DUPLICATION EVOLUEE DE PROTOCOLE DE CONVERGENCE DE DONNEES EN PAQUET**
[72] WEI, CHIAHUNG, CN
[72] CHIN, HENGLI, CN
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2021-07-30
[86] 2020-02-03 (PCT/CN2020/074200)
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[25] EN
[54] **INTERACTIONS BETWEEN IN-LOOP RESHAPING AND INTER CODING TOOLS**
[54] **INTERACTIONS ENTRE DES OUTILS DE REMODELAGE EN BOUCLE ET INTER-CODAGE**
[72] ZHANG, LI, US
[72] ZHANG, KAI, US
[72] LIU, HONGBIN, CN
[72] XU, JIZHENG, US
[72] WANG, YUE, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
[71] BYTEDANCE INC., US
[85] 2021-07-30
[86] 2020-02-01 (PCT/CN2020/074136)
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[51] **Int.Cl. A61K 45/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING CHECKPOINT INHIBITORS INDUCED ADVERSE EVENTS**
[54] **PROCEDE DE TRAITEMENT D'EVENEMENTS INDESIRABLES INDUITS PAR DES INHIBITEURS DE POINTS DE CONTROLE**
[72] SALEM, JOE-ELIE, FR
[72] ALLENBACH, YVES, FR
[72] KERNEIS, MATHIEU, FR
[72] MOSLEHI, JAVID, US
[72] JOHNSON, DOUGLAS, US
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[71] SORBONNE UNIVERSITE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] VANDERBILT UNIVERSITY, US
[85] 2021-07-30
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[54] **IMMUNOMODULATORS, COMPOSITIONS AND METHODS THEREOF**
[54] **IMMUNOMODULATEURS, COMPOSITIONS ET PROCEDES ASSOCIES**
[72] WANG, YIQIAN, CN
[72] ZHANG, YAO, CN
[72] FU, BANG, CN
[72] WANG, JIABING, CN
[72] DING, LIEMING, CN
[71] BETTA PHARMACEUTICALS CO., LTD., CN
[85] 2021-07-30
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[30] CN (PCT/CN2019/074217) 2019-01-31
[30] CN (PCT/CN2019/094726) 2019-07-04

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[25] EN
[54] **LINE STRIPE MISMATCH DETECTION AND THREE-DIMENSIONAL RECONSTRUCTION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE DETECTION DE DECALAGE DE BANDES DE LIGNE ET DE RECONSTRUCTION TRIDIMENSIONNELLE**
[72] ZHANG, JIAN, CN
[71] SHINING 3D TECH CO., LTD., CN
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[86] 2020-02-03 (PCT/CN2020/074224)
[87] (WO2020/156578)

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[51] **Int.Cl. H04N 19/103 (2014.01) H04N 19/159 (2014.01)**
[25] EN
[54] **NEIGHBOURING SAMPLE SELECTION FOR INTRA PREDICTION**
[54] **SELECTION D'ECHANTILLON VOISIN POUR LA PREDICTION INTRA**
[72] ZHANG, KAI, US
[72] ZHANG, LI, US
[72] LIU, HONGBIN, CN
[72] XU, JIZHENG, US
[72] WANG, YUE, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
[71] BYTEDANCE INC., US
[85] 2021-07-30
[86] 2020-02-24 (PCT/CN2020/076361)
[87] (WO2020/169101)
[30] CN (PCT/CN2019/075874) 2019-02-22
[30] CN (PCT/CN2019/075993) 2019-02-24
[30] CN (PCT/CN2019/076195) 2019-02-26
[30] CN (PCT/CN2019/079396) 2019-03-24
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[51] **Int.Cl. B62H 3/10 (2006.01) B62H 5/10 (2006.01)**
[25] EN
[54] **A BICYCLE PARKING STAND FOR LOCKING A BICYCLE TO THE STAND COMPRISING AN ELECTRONIC LOCK**
[54] **SUPPORT DE STATIONNEMENT DE BICYCLETTE A VERROU ELECTRONIQUE POUR LE VERROUILLAGE D'UNE BICYCLETTE SUR LE SUPPORT**
[72] SORENSEN, JESPER FARVER, DK
[71] JFS PATENTS APS, DK
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[86] 2020-01-28 (PCT/DK2020/050024)
[87] (WO2020/160736)
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[51] **Int.Cl. G01V 1/38 (2006.01)**
[25] EN
[54] **SYSTEM, METHODS AND PROCESSING MODULE FOR DETECTING ONE OR MORE OBJECTS IN THE SEABED**
[54] **SYSTEME, PROCEDE ET MODULE DE TRAITEMENT PERMETTANT DE DETECTER UN OU DE PLUSIEURS OBJETS AU FOND DE LA MER**
[72] RAMOS CORDOVA, CARLOS ALEJANDRO, DE
[72] PREU, BENEDICT, DE
[72] STANGE, NIKOLAS, DE
[72] KEIL, HANNO, DE
[72] WENAU, STEFAN, DE
[72] SPIESS, VOLKHARD, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[51] **Int.Cl. G01N 21/77 (2006.01) G01N 21/80 (2006.01)**
[25] FR
[54] **METHOD OF MANUFACTURE OF AN OPTICAL FIBRE-BASED PH MEASUREMENT SENSOR**
[54] **PROCEDE DE FABRICATION D'UN CAPTEUR DE MESURE DU PH A BASE DE FIBRE OPTIQUE.**
[72] GAUTHIER-MANUEL, BERNARD, FR
[72] KATEKLUM, RUTJAPHAN, TH
[71] UNIVERSITE DE FRANCHE-COMTE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[87] (WO2020/160835)
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[25] EN
[54] **HERBICIDAL COMPOUNDS**
[54] **COMPOSES HERBICIDES**
[72] SCUTT, JAMES NICHOLAS, GB
[72] WILLETTS, NIGEL JAMES, GB
[72] DELANEY, JOHN STEPHEN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
[86] 2020-02-05 (PCT/EP2020/052814)
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[51] **Int.Cl. A23L 23/10 (2016.01) A23P 10/40 (2016.01)**
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[54] **BOUILLON TABLET**
[54] **TABLETTE DE BOUILLON**
[72] SHI, WEIFENG, CN
[72] SCHROEDER, VOLKER, DE
[72] JIMMY, PERDANA, DE
[72] LARREA ANAYA, ERIK KURT, MX
[72] TRAPPO, GREGORY, DE
[72] HANGARTER, PETER, DE
[72] THOMAE-WORRINGER, CORINNA, DE
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[30] EP (19154963.3) 2019-02-01

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[51] **Int.Cl. C07D 471/06 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 487/06 (2006.01)**
[25] EN
[54] **INDOLO HEPTAMYL OXIME ANALOGUE AS PARP INHIBITOR**
[54] **ANALOGUE D'INDOLO-HEPTAMYL-OXIME EN TANT QU'INHIBITEUR DE PARP**
[72] HU, YANBIN, CN
[72] LI, GANG, CN
[72] SUN, FEI, CN
[72] CHI, ZHIGANG, CN
[72] LUO, JIN, CN
[72] DING, CHARLES Z., CN
[72] CHEN, SHUHUI, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2021-07-30
[86] 2020-02-03 (PCT/CN2020/074220)
[87] (WO2020/156577)
[30] CN (201910107947.5) 2019-02-02
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[25] EN
[54] **HERBICIDAL COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES**
[72] WILLETTS, NIGEL JAMES, GB
[72] HALL, GAVIN JOHN, GB
[72] THOMSON, NIALL RAE, GB
[72] FELLMANN, JULIA, CH
[72] WUERFFEL, RAYMOND JOSEPH, US
[72] SONAWANE, RAVINDRA, IN
[72] PHADTE, MANGALA, IN
[72] KANDUKURI, SANDEEP REDDY, IN
[72] ARMSTRONG, SARAH, GB
[72] NG, SEAN, GB
[72] MCGRANAGHAN, ANDREA, GB
[72] SCUTT, JAMES NICHOLAS, GB
[72] MOORHOUSE, SIAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
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[86] 2020-01-30 (PCT/EP2020/052329)
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[25] EN
[54] **DEVICE FOR CURING COATING SUBSTANCE**
[54] **DISPOSITIF DE DURCISSEMENT D'UNE SUBSTANCE DE REVETEMENT**
[72] LOKKINEN, MIKA, EE
[71] PICOTE SOLUTIONS INC., US
[85] 2021-07-30
[86] 2020-02-03 (PCT/EP2020/052575)
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[30] EP (19155387.4) 2019-02-04

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/69 (2017.01) A61K 31/167 (2006.01) A61K 31/277 (2006.01) A61K 31/4166 (2006.01) A61K 31/436 (2006.01) A61K 31/506 (2006.01) A61K 31/58 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CASTRATE-RESISTANT PROSTATE CANCER**
[54] **PROCEDES DE TRAITEMENT DU CANCER DE LA PROSTATE RESISTANT A LA CASTRATION**
[72] AL AJATI, ABDULLAH, CH
[72] D'AMBROSIO, MARIANTONIETTA, CH
[72] ALIMONTI, ANDREA, CH
[71] FONDAZIONE PER L'ISTITUTO ONCOLOGICO DI RICERCA (IOR), CH
[85] 2021-07-30
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[51] **Int.Cl. A01N 43/58 (2006.01) A01N 43/60 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **PRE-HARVEST DESICCATION METHOD**
[54] **PROCEDE DE DESSICCATION PRE-RECOLTE**
[72] SCUTT, JAMES NICHOLAS, GB
[72] WILLETTS, NIGEL JAMES, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
[86] 2020-02-04 (PCT/EP2020/052749)
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[30] GB (1901866.2) 2019-02-11

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[51] **Int.Cl. E21B 7/02 (2006.01) E21D 11/00 (2006.01) E21D 11/15 (2006.01) E21D 11/40 (2006.01)**
[25] EN
[54] **A METHOD FOR MOUNTING A ROLL OF PROTECTIVE MESH MATERIAL TO AN UNDERGROUND ROCK DRILLING MACHINE, A METHOD FOR ATTACHING PROTECTIVE MESH MATERIAL TO A ROCK SURFACE AND A MOUNTING DEVICE**
[54] **PROCEDE POUR MONTER UN ROULEAU DE MATERIAU MAILLE DE PROTECTION SUR UNE MACHINE DE FORAGE DE ROCHE SOUTERRAINE, PROCEDE POUR FIXATION UN MATERIAU MAILLE DE PROTECTION A UNE SURFAC E DE ROCHE ET DISPOSITIF DE MONTAGE**
[72] BROWN, SHANE, AU
[72] BUCHER, ROLAND, AU
[71] GEOBRUGG AG, CH
[85] 2021-07-30
[86] 2020-02-13 (PCT/EP2020/053763)
[87] (WO2020/165346)
[30] AU (2019200996) 2019-02-13

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[25] EN
[54] **METHOD FOR REPAIRING A ROTOR BLADE OF A WIND TURBINE**
[54] **PROCEDE POUR REPARER UNE PALE DE ROTOR D'EOLIENNE**
[72] RAHMANN, UWE, DE
[72] KUBASIK, ANDRE, DE
[72] JANSSEN, MICHAEL, DE
[72] SCHICKEL, MANUEL, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2021-07-30
[86] 2020-02-11 (PCT/EP2020/053392)
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[30] DE (10 2019 103 304.7) 2019-02-11

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[25] FR
[54] **DEVICE FOR VIEWING TENSION LOSS IN AN ASSEMBLY**
[54] **DISPOSITIF DE VISUALISATION DE PERTE DE TENSION DANS UN ASSEMBLAGE**
[72] UTILLE, LIONEL, FR
[71] UTILLE, LIONEL, FR
[85] 2021-07-30
[86] 2020-02-13 (PCT/EP2020/053798)
[87] (WO2020/169450)
[30] FR (FR1901637) 2019-02-19

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[25] EN
[54] **SYNERGISTIC HERBICIDAL COMBINATIONS**
[54] **COMBINAISONS HERBICIDES SYNERGIQUES**
[72] BAUR, PETER, DE
[72] BODELON, LUCIANA, DE
[72] CAMPOS CUEVAS, JAVIER, DE
[72] BAUER, MARTIN, DE
[72] GIESSLER, STEPHANIE, DE
[72] HOVELMANN, FELIX, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2021-07-30
[86] 2020-02-14 (PCT/EP2020/053894)
[87] (WO2020/173719)
[30] EP (19159071.0) 2019-02-25

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[51] **Int.Cl. A01N 43/56 (2006.01) A01N 43/50 (2006.01) A01N 43/80 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES**
[54] **MELANGES HERBICIDES**
[72] MORRIS, JAMES ALAN, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[72] NG, SEAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
[86] 2020-02-04 (PCT/EP2020/052780)
[87] (WO2020/161147)
[30] GB (1901559.3) 2019-02-05

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[13] A1
[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION DEVICE WITH THERMALLY OPTIMISED ARCHITECTURE**
[54] **DISPOSITIF DE PREPARATION DE BOISSONS A ARCHITECTURE THERMIQUEMENT OPTIMISEE**
[72] MOSER, RENZO, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2021-07-30
[86] 2020-04-03 (PCT/EP2020/059475)
[87] (WO2020/201469)
[30] EP (19167543.8) 2019-04-05

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[51] **Int.Cl. G21F 7/03 (2006.01) G21F 7/02 (2006.01)**
[25] FR
[54] **RADIO-PROTECTIVE SHIELD**
[54] **ECRAN RADIO-PROTECTEUR**
[72] LEMER, PIERRE-MARIE, FR
[71] LEMER PAX, FR
[85] 2021-07-30
[86] 2020-02-04 (PCT/FR2020/050184)
[87] (WO2020/161432)
[30] FR (1901123) 2019-02-05

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[13] A1
[51] **Int.Cl. C07D 207/325 (2006.01) C07D 207/337 (2006.01) C07D 207/34 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **PYRAZOLE DERIVATIVES**
[54] **DERIVES DE PYRAZOLE**
[72] MORRIS, JAMES ALAN, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
[86] 2020-02-04 (PCT/EP2020/052782)
[87] (WO2020/161148)
[30] GB (1901559.3) 2019-02-05

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[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/32 (2006.01) G06K 9/62 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **TYRE SIDEWALL IMAGING METHOD**
[54] **PROCEDE D'IMAGERIE DE FLANC DE PNEU**
[72] KAZMI, SYED WAJAHAT ALI SHAH, GB
[72] CODD, ALEXANDER PAUL, GB
[71] WHEELRIGHT LIMITED, GB
[85] 2021-07-30
[86] 2020-04-23 (PCT/EP2020/061324)
[87] (WO2020/229132)
[30] GB (1906788.3) 2019-05-14

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[51] **Int.Cl. C07D 207/325 (2006.01) C07D 207/337 (2006.01) C07D 207/34 (2006.01)**
[25] EN
[54] **PYRAZOLE DERIVATIVES**
[54] **DERIVES DE PYRAZOLE**
[72] MORRIS, JAMES ALAN, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[72] NG, SEAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-30
[86] 2020-02-05 (PCT/EP2020/052892)
[87] (WO2020/161199)
[30] GB (1901559.3) 2019-02-05

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01)**
[25] EN
[54] **MODIFIED TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE (TDT) ENZYMES**
[54] **ENZYMES DE DESOXYNUCLEOTIDYL TRANSFERASE TERMINALE (TDT) MODIFIEES**
[72] CHEN, MICHAEL CHUN HAO, GB
[72] MCINROY, GORDON ROSS, GB
[71] NUCLERA NUCLEICS LTD, GB
[85] 2021-07-30
[86] 2020-02-04 (PCT/GB2020/050247)
[87] (WO2020/161480)
[30] GB (1901501.5) 2019-02-04

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[51] **Int.Cl. F01D 21/00 (2006.01) F01D 17/02 (2006.01) F01D 25/04 (2006.01) G01H 1/00 (2006.01) G01H 3/00 (2006.01)**
[25] FR
[54] **METHOD FOR MONITORING THE STATE OF HEALTH OF AT LEAST TWO VIBRATION SENSORS OF A TWIN-SPOOL TURBOMACHINE**
[54] **SURVEILLANCE DE L'ETAT DE SANTE D'AU MOINS DEUX CAPTEURS DE VIBRATIONS D'UNE TURBOMACHINE A DOUBLE CORPS**
[72] ALEKSANDER, BORIS, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-07-30
[86] 2020-02-05 (PCT/FR2020/050192)
[87] (WO2020/161437)
[30] FR (1901111) 2019-02-05

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MICRODROPLET MANIPULATION METHOD**
[54] **PROCEDE DE MANIPULATION DE MICROGOUTTELETTE**
[72] ISAAC, TOM, GB
[72] BALMFORTH, BARNABY, GB
[72] CONTERIO, JASMIN, GB
[72] JOHNSON, KERR FRANCIS, GB
[72] SOSNA, MACIEJ, GB
[72] INGHAM, RICHARD, GB
[72] PODD, GARETH, GB
[71] LIGHTCAST DISCOVERY LTD, GB
[85] 2021-07-30
[86] 2020-02-07 (PCT/GB2020/050280)
[87] (WO2020/161500)
[30] EP (19156182.8) 2019-02-08

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[13] A1
[51] **Int.Cl. G01N 33/558 (2006.01)**
[25] EN
[54] **LATERAL FLOW DEVICE**
[54] **DISPOSITIF A ECOULEMENT LATERAL**
[72] NEUMAN, TOOMAS, EE
[72] SPEE, PETRUS JOHANNES LOUIS, EE
[72] KAZARJAN, ARAM, EE
[72] LAAS, AVE, EE
[71] FIBROTX OU, EE
[85] 2021-07-30
[86] 2020-02-06 (PCT/EP2020/052994)
[87] (WO2020/161238)
[30] EP (19155844.4) 2019-02-06

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[51] **Int.Cl. G16H 40/20 (2018.01) G16H 10/60 (2018.01) G16H 80/00 (2018.01)**
[25] EN
[54] **PATIENT-CENTRIC HEALTH CARE SYSTEM**
[54] **SYSTEME DE SOINS DE SANTE CENTRE SUR LE PATIENT**
[72] HERZOG, SAMUEL, CA
[71] HERZOG, SAMUEL, CA
[85] 2021-07-30
[86] 2020-01-30 (PCT/IB2020/050745)
[87] (WO2020/157693)
[30] US (62/799,056) 2019-01-31

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[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/661 (2006.01) A61K 31/6615 (2006.01) A61P 31/16 (2006.01) C07F 9/117 (2006.01)**
[25] EN
[54] **ANTIVIRAL NUCLEOSIDES AND DERIVATIVES THEREOF**
[54] **NUCLEOSIDES ANTIVIRAUX ET LEURS DERIVES**
[72] BEIGELMAN, LEONID, US
[72] WANG, GUANGYI, US
[72] DYATKINA, NATALIA, US
[71] JANSSEN BIOPHARMA, INC., US
[85] 2021-07-30
[86] 2020-01-30 (PCT/IB2020/050747)
[87] (WO2020/157694)
[30] US (62/800,124) 2019-02-01

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[51] **Int.Cl. B62D 55/084 (2006.01) B62D 55/065 (2006.01) B62D 55/14 (2006.01) B62D 55/30 (2006.01)**
[25] EN
[54] **TRACK ASSEMBLY FOR A VEHICLE**
[54] **ENSEMBLE CHENILLE POUR VEHICULE**
[72] COUTURE, RAPHAEL, CA
[72] ROGER, YAN, CA
[72] PELLETIER, STEPHANE, CA
[72] L'HERAULT, PATRICK, CA
[72] AUBIN-MARCHAND, JEREMIE, CA
[72] ROY, CHARLES, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[71] SOUCY INTERNATIONAL INC., CA
[85] 2021-07-30
[86] 2020-01-31 (PCT/IB2020/050812)
[87] (WO2020/157727)
[30] US (62/799,240) 2019-01-31

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[13] A1
[51] **Int.Cl. A01K 1/015 (2006.01)**
[25] FR
[54] **ELASTIC LAYER FOR A MATTRESS STRUCTURE DESIGNED FOR THE COMFORT OF ANIMALS IN A BREEDING ENCLOSURE**
[54] **COUCHE ELASTIQUE POUR STRUCTURE DE MATELAS ADAPTEE AU CONFORT DES ANIMAUX DANS UNE ENCEINTE D'ELEVAGE**
[72] BIORET, JEAN-VINCENT, FR
[71] GROUP ELASTOTECK, FR
[85] 2021-07-30
[86] 2020-02-19 (PCT/FR2020/050315)
[87] (WO2020/169930)
[30] FR (1901710) 2019-02-20

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[13] A1
[51] **Int.Cl. G06F 16/2457 (2019.01) G06F 16/2458 (2019.01) G06F 16/248 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SEARCH AND RANKING OF RECORDS ACROSS DIFFERENT DATABASES**
[54] **RECHERCHE ET CLASSEMENT D'ENREGISTREMENTS DANS DIFFERENTES BASES DE DONNEES**
[72] YANG, YINGRUI, US
[72] LI, FENGJIE ALEX, US
[72] BIERNER, GANN, US
[71] ANCESTRY.COM OPERATIONS INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/IB2020/050814)
[87] (WO2020/157728)
[30] US (62/800,106) 2019-02-01

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[13] A1
[51] **Int.Cl. A47J 42/40 (2006.01)**
[25] EN
[54] **COFFEE GRINDING MACHINE WITH IMPROVED DOSING SYSTEM AND ASSOCIATED METHOD**
[54] **MACHINE DE MOUTURE DE CAFE A SYSTEME DE DOSAGE AMELIORE ET PROCEDE ASSOCIE**
[72] DIONISIO, ANDREA, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2021-07-30
[86] 2020-02-05 (PCT/IB2020/050905)
[87] (WO2020/161628)
[30] IT (102019000001623) 2019-02-05

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[13] A1
[51] **Int.Cl. A47J 42/18 (2006.01) A47J 31/42 (2006.01) A47J 31/52 (2006.01)**
[25] EN
[54] **COFFEE GRINDING MACHINE CONFIGURED TO PROVIDE DIFFERENT PARTICLE SIZE PROFILES AND ASSOCIATED METHOD**
[54] **MACHINE A MOUDRE LE CAFE CONFIGUREE POUR FOURNIR DIFFERENTS PROFILS DE TAILLE DE PARTICULE ET PROCEDE ASSOCIE**
[72] DIONISIO, ANDREA, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2021-07-30
[86] 2020-02-05 (PCT/IB2020/050907)
[87] (WO2020/161630)
[30] IT (102019000001629) 2019-02-05

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[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/42 (2020.01) A24F 40/57 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZATION SYSTEM WITH INTEGRATED HEATERS**
[54] **SYSTEME DE VAPORISATION A ELEMENTS CHAUFFANTS INTEGRES**
[72] HARRISON, CHRISTOPHER BRENT, US
[72] RODRIGUEZ, STEVEN A., US
[72] NELSON, MICHAEL DAVID, US
[71] ZENIGATA LLC, US
[85] 2021-07-30
[86] 2019-02-14 (PCT/US2019/018054)
[87] (WO2019/161089)
[30] US (62/630,753) 2018-02-14

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[13] A1
[51] **Int.Cl. F03B 13/22 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING HYDROELECTRIC ENERGY**
[54] **DISPOSITIF DE PRODUCTION D'ENERGIE HYDROELECTRIQUE**
[72] VAN ROMPAY, BOUDEWIJN GABRIEL, US
[71] VAN ROMPAY, BOUDEWIJN GABRIEL, US
[85] 2021-07-30
[86] 2020-02-20 (PCT/IB2020/051435)
[87] (WO2020/170194)
[30] BE (2019/5110) 2019-02-20

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[51] **Int.Cl. F16K 1/02 (2006.01) B01F 3/04 (2006.01) B67D 1/04 (2006.01) F17C 1/00 (2006.01)**
[25] EN
[54] **CARBONATION MACHINE AND A GAS CANISTER FOR A CARBONATION MACHINE**
[54] **MACHINE DE CARBONATATION ET CARTOUCHE DE GAZ POUR MACHINE DE CARBONATATION**
[72] DANIELI, GUY, IL
[72] COHEN, AVI, IL
[72] SHALEV, OREN, IL
[72] FUNT, MARK, IL
[72] RING, ALLAN, IL
[72] SHKEDI, AMNON, IL
[72] BRAND, DVIR, IL
[72] SHMUELI, EYAL, IL
[72] AVIGDOR, AMIT, IL
[72] SHAASHUA, ERAN, IL
[72] HARDUFF, HAGAI, IL
[72] KROM, DORON, IL
[71] SODASTREAM INDUSTRIES LTD., IL
[85] 2021-07-30
[86] 2020-01-01 (PCT/IL2020/050002)
[87] (WO2020/230115)
[30] US (16/411,870) 2019-05-14

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[13] A1
[51] **Int.Cl. F17C 5/06 (2006.01) F17C 13/06 (2006.01)**
[25] EN
[54] **ADAPTER FOR CANISTER FILLING SYSTEM AND METHOD FOR FILLING A GAS CANISTER**
[54] **ADAPTATEUR POUR SYSTEME DE REMPLISSAGE DE CARTOUCHE ET PROCEDE DE REMPLISSAGE DE CARTOUCHE DE GAZ**
[72] DANIELI, GUY, IL
[72] COHEN, AVI, IL
[72] SHALEV, OREN, IL
[72] FUNT, MARK, IL
[72] RING, ALLAN, IL
[72] SHKEDI, AMNON, IL
[72] BRAND, DVIR, IL
[72] SHMUELI, EYAL, IL
[72] AVIGDOR, AMIT, IL
[72] SHAASHUA, ERAN, IL
[72] HARDUFF, HAGAI, IL
[72] KROM, DORON, IL
[72] VAKNIN, AVRAHAM, IL
[71] SODASTREAM INDUSTRIES LTD., IL
[85] 2021-07-30
[86] 2020-11-16 (PCT/IL2020/051185)
[87] (WO2021/137206)
[30] IL (PCT/IL2020/050002) 2020-01-01

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[51] **Int.Cl. E01F 15/08 (2006.01) E01F 13/00 (2006.01) E01F 13/02 (2006.01) E01F 15/00 (2006.01) E01F 15/14 (2006.01)**
[25] EN
[54] **ANCHORLESS CRASH CUSHION APPARATUS WITH METAL NOSE CAP**
[54] **APPAREIL ATTENUATEUR DE CHOC SANS ANCRAGE DOTE D'UN CAPUCHON DE NEZ METALLIQUE**
[72] ELMORE, MATTHEW A., US
[72] LIM, JASON T., US
[72] MORALES FLORES, ALVARO E., US
[72] DACAYANAN LOYA, DANIEL PAUL, US
[72] DYKE, GERRIT A., US
[72] THOMPSON, JEFF M., US
[71] LINDSAY TRANSPORTATION SOLUTIONS, LLC, US
[85] 2021-07-30
[86] 2019-08-06 (PCT/US2019/045200)
[87] (WO2020/162976)
[30] US (16/266,503) 2019-02-04

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[13] A1
[51] **Int.Cl. C07K 16/32 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTIBODY AND FUNCTIONAL FRAGMENT THEREOF**
[54] **ANTICORPS ET FRAGMENT FONCTIONNEL DE CELUI-CI**
[72] HIGASHI, KIYOSHI, JP
[72] SAITO, KOICHI, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2021-07-30
[86] 2020-01-31 (PCT/JP2020/003782)
[87] (WO2020/158943)
[30] JP (2019-017285) 2019-02-01

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[51] **Int.Cl. B66F 9/075 (2006.01) B66F 9/08 (2006.01) B66F 9/22 (2006.01) B66F 9/24 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **CHAIN SLACK DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE MOU DE CHAINE**
[72] OKROY, MARTIN, US
[72] KARIMI, MASOUD, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2021-07-30
[86] 2019-10-10 (PCT/US2019/055552)
[87] (WO2020/171853)
[30] US (16/279,408) 2019-02-19

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **A FLOORING PANEL AND A FLOOR COVERING WITH SUCH PANEL**
[54] **PANNEAU DE REVETEMENT DE SOL ET REVETEMENT DE SOL COMPRENANT UN TEL PANNEAU**
[72] PERRA, ANTONIO GIUSEPPE, NL
[71] I4F LICENSING NV, BE
[85] 2021-07-30
[86] 2019-01-30 (PCT/NL2019/050056)
[87] (WO2020/159354)

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[13] A1
[51] **Int.Cl. H05B 3/34 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR A HEATING MAT**
[54] **APPAREIL ET PROCEDE POUR UNE COUVERTURE CHAUFFANT**
[72] LINDSKOG, KJELL, SE
[71] LINDSKOG, KJELL, SE
[85] 2021-07-30
[86] 2020-01-31 (PCT/SE2020/050082)
[87] (WO2020/159428)
[30] SE (1900015-7) 2019-02-01

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL AND COVERING COMPRISING THE SAME**
[54] **PANNEAU ET REVETEMENT LE COMPRENANT**
[72] PERRA, ANTONIO GIUSEPPE, NL
[71] I4F LICENSING NV, BE
[85] 2021-07-30
[86] 2019-01-30 (PCT/NL2019/050057)
[87] (WO2020/159355)

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[51] **Int.Cl. H05B 6/54 (2006.01) A23L 3/01 (2006.01) A23L 3/04 (2006.01) H05B 6/60 (2006.01) H05B 6/62 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR HOMOGENEOUSLY HEAT-TREATING A PRODUCT BY RADIO FREQUENCY**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT THERMIQUE HOMOGENE D'UN PRODUIT PAR RADIOFREQUENCE**
[72] VAN DEN BOSCH, HENRICUS FRANCISCUS MARIA, NL
[72] BUNT, TEUNIS, NL
[71] TOP B.V., NL
[85] 2021-07-30
[86] 2020-02-05 (PCT/NL2020/050063)
[87] (WO2020/162748)
[30] NL (2022508) 2019-02-05

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[51] **Int.Cl. E01F 13/00 (2006.01) E01F 15/00 (2006.01)**
[25] EN
[54] **ANCHORLESS CRASH CUSHION APPARATUS INCLUDING CRASH CUSHION STABILIZING STRUCTURE**
[54] **APPAREIL ATTENUATEUR DE CHOC SANS ANCRAGE COMPRENANT UNE STRUCTURE DE STABILISATION D'ATTENUATEUR DE CHOC**
[72] ELMORE, MATTHEW A., US
[72] LIM, JASON T., US
[72] DACAYANAN LOYA, DANIEL PAUL, US
[72] MORALES FLORES, ALVARO E., US
[72] DYKE, GERRIT A., US
[72] THOMPSON, JEFF M., US
[71] LINDSAY TRANSPORTATION SOLUTIONS, LLC, US
[85] 2021-07-30
[86] 2019-08-06 (PCT/US2019/045193)
[87] (WO2020/162974)
[30] US (16/266,428) 2019-02-04

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[51] **Int.Cl. C12N 15/87 (2006.01) A61K 47/56 (2017.01) A61K 47/69 (2017.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **IMMOLATIVE CELL-PENETRATING COMPLEXES FOR NUCLEIC ACID DELIVERY TO THE LUNG**
[54] **COMPLEXES DE PENETRATION CELLULAIRE IMMOLATEURS POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES AU POUMON**
[72] BLAKE, TIM R., US
[72] WENDER, PAUL, US
[72] WAYMOUTH, ROBERT M., US
[72] LEVY, RONALD, US
[72] HAABETH, OLE AUDUN WERNER, US
[72] MCCLELLAN, REBECCA, US
[72] SALLETS, ADRIENNE, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016281)
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[30] US (62/800,406) 2019-02-01

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[51] **Int.Cl. E01F 15/08 (2006.01) E01F 13/00 (2006.01) E01F 13/02 (2006.01) E01F 15/00 (2006.01) E01F 15/02 (2006.01) E01F 15/14 (2006.01)**
[25] EN
[54] **ANCHORLESS CRASH CUSHION APPARATUS WITH TRANSITION WELDMENT CONNECTABLE TO A RIGID HAZARD OBJECT**
[54] **APPAREIL A ATTENUATEURS DE CHOC SANS ANCRAGE AYANT UN ENSEMBLE SOUDE DE TRANSITION POUVANT ETRE RELIE A UN OBJET DE RISQUE RIGIDE**
[72] ELMORE, MATTHEW A., US
[72] MORALES FLORES, ALAVARO E., US
[72] LIM, JASON T., US
[72] DACAYANAN LOYA, DANIEL PAUL, US
[72] DYKE, GERRIT A., US
[72] THOMPSON, JEFF M., US
[71] LINDSAY TRANSPORTATION SOLUTIONS, LLC, US
[85] 2021-07-30
[86] 2019-08-06 (PCT/US2019/045201)
[87] (WO2020/162977)
[30] US (16/266,549) 2019-02-04

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[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0484 (2013.01) G06F 1/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONFIGURING THE USER INTERFACE OF A MOBILE DEVICE**
[54] **SYSTEMES ET PROCEDES DE CONFIGURATION DE L'INTERFACE UTILISATEUR D'UN DISPOSITIF MOBILE**
[72] ZHANG, CHENG, CN
[72] ZHANG, QIN, CN
[71] CITRIX SYSTEMS, INC., US
[85] 2021-07-30
[86] 2019-12-06 (PCT/US2019/064970)
[87] (WO2020/159619)
[30] US (16/264,056) 2019-01-31

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[13] A1
[51] **Int.Cl. A23D 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR SUPPRESSING COLORATION OF FRYING OIL AND FAT COMPOSITION, METHOF FOR MANUFACTURING FRYING OIL AND FAT COMPOSITION, AND COLORATION-SUPRESSING AGENT**
[54] **PROCEDE DE SUPPRESSION DE DECOLORATION DE COMPOSITION D'HUILE/MATIERES GRASSES POUR FRITURE, PROCEDE DE PRODUCTION DE COMPOSITION D'HUILE/MATIERES GRASSES POUR FRITURE ET AGENT DE SUPPRESSION DE DECOLORATION**
[72] SAKAINO, MASAYOSHI, JP
[72] MAKITA, NARUTO, JP
[72] ARAI, HISASHI, JP
[72] SAWARAGI, YOUSUKE, JP
[72] MATSUZAWA, SHUN, JP
[72] SANO, TAKASHI, JP
[71] J-OIL MILLS, INC., JP
[85] 2021-07-30
[86] 2020-02-04 (PCT/JP2020/004033)
[87] (WO2020/166422)
[30] JP (2019-023605) 2019-02-13

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[51] **Int.Cl. F16B 5/00 (2006.01) E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **FLOOR PANEL AND FLOOR COVERING**
[54] **PANNEAU DE REVETEMENT DE SOL ET REVETEMENT DE SOL**
[72] PERRA, ANTONIO GIUSEPPE, NL
[71] I4F LICENSING NV, BE
[85] 2021-07-30
[86] 2019-01-30 (PCT/NL2019/050054)
[87] (WO2020/159352)

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[51] **Int.Cl. B01J 19/00 (2006.01) B01D 53/26 (2006.01) B01J 19/18 (2006.01) C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **REACTOR SYSTEMS**
[54] **SYSTEMES DE REACTEUR**
[72] RUDOLPH, ERIC, US
[72] SILVERBERG, PETE, US
[71] ABEC, INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016006)
[87] (WO2020/160345)
[30] US (62/799,794) 2019-02-01

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[51] **Int.Cl. G06F 3/0484 (2013.01)**
[25] EN
[54] **ENGINE, SYSTEM, AND METHOD OF PROVIDING AUTOMATED RISK MITIGATION**
[54] **MOTEUR, SYSTEME ET PROCEDE PERMETTANT DE FOURNIR UNE ATTENUATION DE RISQUES AUTOMATISEE**
[72] BURPULIS, BYRON, US
[72] KELSO, JOSH, US
[71] BURPULIS, BYRON, US
[71] KELSO, JOSH, US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016104)
[87] (WO2020/160408)
[30] US (16/265,248) 2019-02-01

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[51] **Int.Cl. B01D 1/28 (2006.01) A23K 10/38 (2016.01) B01D 3/02 (2006.01) F26B 3/04 (2006.01) F26B 19/00 (2006.01) F26B 23/10 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENERGY-EFFICIENT DRYING OF CO-PRODUCTS IN BIOREFINERIES**
[54] **PROCEDES ET SYSTEMES DE SECHAGE EFFICACES EN ENERGIE DE CO-PRODUITS DANS DES BIORAFFINERIES**
[72] CRAWFORD, LYNN, US
[72] SCHAFER, WILLIAM III, US
[71] ENERGY INTEGRATION, INC., US
[85] 2021-07-30
[86] 2019-12-20 (PCT/US2019/067699)
[87] (WO2020/159645)
[30] US (62/800,044) 2019-02-01
[30] US (62/857,619) 2019-06-05
[30] US (16/721,896) 2019-12-19

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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL AND FLOOR COVERING COMPRISING THE SAME**
[54] **PANNEAU ET REVETEMENT DE PLANCHER LE COMPRENANT**
[72] PERRA, ANTONIO GIUSEPPE, NL
[71] I4F LICENSING NV, BE
[85] 2021-07-30
[86] 2019-01-30 (PCT/NL2019/050055)
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[51] **Int.Cl. B01F 5/00 (2006.01) B01F 13/00 (2006.01) B01F 13/10 (2006.01)**
[25] EN
[54] **VORTEX MIXERS AND ASSOCIATED METHODS, SYSTEMS, AND APPARATUSES THEREOF**
[54] **MELANGEURS A TOURBILLON ET PROCEDES, SYSTEMES, ET APPAREILS ASSOCIES**
[72] KIRBY, STEPHANIE, US
[72] GELDHOF, BENJAMIN, US
[72] VIK, KAELYN, US
[72] SKINNER, BRIE, US
[71] MODERNATX, INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016150)
[87] (WO2020/160430)
[30] US (62/799,636) 2019-01-31
[30] US (62/886,592) 2019-08-14

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[25] EN
[54] **FLUID PROPERTY MEASUREMENT DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE MESURE DES PROPRIETES D'UN FLUIDE**
[72] ABHISHEK, RAMKUMAR, US
[71] ABRAM SCIENTIFIC, INC., US
[85] 2021-07-30
[86] 2020-02-03 (PCT/US2020/016351)
[87] (WO2020/163213)
[30] US (62/800,704) 2019-02-04

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[51] **Int.Cl. G05G 9/047 (2006.01) A01D 34/00 (2006.01) A01D 34/68 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **OPERATOR CONTROL SYSTEM FOR AN OUTDOOR POWER EQUIPMENT MACHINE**
[54] **SYSTEME DE COMMANDE D'OPERATEUR D'UNE MACHINE DE MATERIEL ELECTRIQUE DE PLEIN AIR**
[72] SMITH, AARON, US
[72] MEISTER, KEVIN, US
[72] MAGGARD, JAY E., US
[71] MTD PRODUCTS INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016159)
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[30] US (62/800,558) 2019-02-03

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[51] **Int.Cl. A23J 3/14 (2006.01) A23L 5/20 (2016.01) A23L 19/15 (2016.01) A23L 2/66 (2006.01)**
[25] EN
[54] **PURIFIED COAGULATED POTATO PROTEIN PRODUCT, METHODS FOR PROVIDING THE SAME, AND USES THEREOF.**
[54] **PRODUIT A BASE DE PROTEINE DE POMME DE TERRE COAGULEE PURIFIEE, SES PROCEDES DE PRODUCTION ET SES UTILISATIONS**
[72] WILBRINK, MAARTEN HOTSE, NL
[72] SPELBRINK, ROBIN ERIC JACOBUS, NL
[72] VOGIATZIS, NIKOLAOS, NL
[71] COOPERATIE KONINKLIJKE AVEBE U.A., NL
[85] 2021-07-30
[86] 2020-02-21 (PCT/NL2020/050104)
[87] (WO2020/171708)
[30] EP (19158616.3) 2019-02-21

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[51] **Int.Cl. G05G 1/30 (2009.01) G09G 5/00 (2006.01) G11B 15/02 (2006.01)**
[25] EN
[54] **MEDIA PLAYER CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE LECTEUR DE CONTENU MULTIMEDIA**
[72] JONES, MICHAEL WAYNE, US
[72] JONES, QUINN KAZUO, US
[71] UTILITY DESIGN, INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016175)
[87] (WO2020/163175)
[30] US (62/800,902) 2019-02-04
[30] US (16/737,794) 2020-01-08

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[51] **Int.Cl. G01N 29/12 (2006.01) G01N 29/38 (2006.01)**
[25] EN
[54] **A METHOD AND DEVICE FOR NON-DESTRUCTIVE TESTING OF A PLATE MATERIAL**
[54] **PROCEDE ET DISPOSITIF DE TEST NON DESTRUCTIF D'UN MATERIAU EN PLAQUE**
[72] NORLI, PETTER, NO
[71] NDT GLOBAL AS, NO
[85] 2021-07-30
[86] 2020-01-31 (PCT/NO2020/050024)
[87] (WO2020/159385)
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[51] **Int.Cl. A47G 9/10 (2006.01) B26D 1/04 (2006.01) B26D 3/00 (2006.01) B26D 7/06 (2006.01) B26D 11/00 (2006.01)**
[25] EN
[54] **PERSONAL SUPPORT DEVICE WITH ELONGATE INSERTS**
[54] **DISPOSITIF DE SUPPORT INDIVIDUEL COMPRENANT DES INSERTS ALLONGES**
[72] CHAVEZ, CESAR A., US
[72] AMENDOLA, JONATHAN J., US
[72] WHITE, JERRY L., US
[71] INNOVATIVE BEDDING SOLUTIONS, INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016249)
[87] (WO2020/160495)
[30] US (62/800,213) 2019-02-01
[30] US (16/509,274) 2019-07-11

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[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **RETAIL PLATFORM**
[54] **PLATEFORME DE VENTE AU DETAIL**
[72] COOLEY, CHRIS, US
[72] FARSI, PARHAM, US
[72] HILL, BRENDAN, US
[72] KESSLER, STEVE, US
[71] KLICKTRACK, INC., US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016284)
[87] (WO2020/160513)
[30] US (62/799,689) 2019-01-31

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[51] **Int.Cl. A61K 38/36 (2006.01) A61K 38/37 (2006.01) A61P 7/04 (2006.01) C07K 14/745 (2006.01) C07K 14/755 (2006.01)**
[25] EN
[54] **METHODS OF PROPHYLACTIC TREATMENT USING RECOMBINANT VWF (RVWF)**
[54] **PROCEDES DE TRAITEMENT PROPHYLACTIQUE UTILISANT VWF RECOMBINANT (RVWF)**
[72] MELLGARD, BJORN, US
[72] EWENSTEIN, BRUCE, US
[71] BAXALTA GMBH, CH
[71] BAXALTA INCORPORATED, CH
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016194)
[87] (WO2020/160460)
[30] US (62/800,370) 2019-02-01

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[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/25 (2019.01)**
[25] EN
[54] **COMPUTING SYSTEM PROVIDING BLOCKCHAIN-FACILITATED SEMANTIC INTEROPERABILITY BETWEEN MULTIPLE DISPARATE SYSTEMS OF RECORD (SORS) AND RELATED METHODS**
[54] **SYSTEME INFORMATIQUE FOURNISSANT UNE INTEROPERABILITE SEMANTIQUE FACILITEE PAR CHAINE DE BLOCS ENTRE DES SYSTEMES D'ENREGISTREMENT (SOR) DISPARATES MULTIPLES ET PROCEDES ASSOCIES**
[72] CALCO, BOB, US
[72] MATTON, GREGORY E., US
[71] APEX DATA SOLUTIONS, LLC, US
[85] 2021-07-30
[86] 2020-02-03 (PCT/US2020/016324)
[87] (WO2020/163198)
[30] US (62/800,715) 2019-02-04
[30] US (16/778,521) 2020-01-31

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[51] **Int.Cl. A61K 31/166 (2006.01) A61P 25/02 (2006.01) C07C 233/65 (2006.01)**
[25] EN
[54] **TRANSIENT RECEPTOR POTENTIAL MELASTATIN 8 (TRPM8) ANTAGONISTS AND RELATED METHODS**
[54] **ANTAGONISTES DU MELASTATIN POTENTIEL DE RECEPTEUR TRANSITOIRE 8 (TRPM8) ET METHODES ASSOCIEES**
[72] JOURNIGAN, VELVET BLAIR, US
[71] MARSHALL UNIVERSITY RESEARCH CORPORATION, US
[85] 2021-07-30
[86] 2020-01-31 (PCT/US2020/016200)
[87] (WO2020/160464)
[30] US (62/800,114) 2019-02-01
[30] US (62/800,143) 2019-02-01
[30] US (62/947,742) 2019-12-13

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[51] **Int.Cl. A61B 17/34 (2006.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 18/14 (2006.01)**
[25] EN
[54] **ACCESS NEEDLE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'AIGUILLE D'ACCES**
[72] KACHAAMY, TOUFIC, US
[71] INTERNATIONAL PRIVATE BANK LLC, US
[85] 2021-07-30
[86] 2020-02-03 (PCT/US2020/016422)
[87] (WO2020/163237)
[30] US (62/800,894) 2019-02-04

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[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
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[54] **ANTI-CLAUDIN 18 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-CLAUDINE 18 ET LEURS METHODES D'UTILISATION**
[72] LI, HAN, US
[72] LEI, MING, US
[72] PEI, YI, US
[72] HUANG, HAICHUN, US
[71] NOVAROCK BIOTHERAPEUTICS, LTD., US
[85] 2021-07-30
[86] 2020-02-03 (PCT/US2020/016459)
[87] (WO2020/160560)
[30] US (62/800,359) 2019-02-01
[30] US (62/891,925) 2019-08-26

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **TARGETING CD24-SIGLEC INTERACTIONS FOR TREATING SUBJECTS WITH PREDIABETES OR DIABETES**
[54] **CIBLAGE D'INTERACTIONS CD24-SIGLEC POUR TRAITER DES SUJETS ATTEINTS DE PREDIABETE OU DE DIABETE**
[72] LIU, YANG, US
[72] ZHENG, PAN, US
[72] WANG, XU, US
[72] DEVENPORT, MARTIN, US
[71] ONCOIMMUNE, INC., US
[71] CHILDREN'S RESEARCH INSTITUTE, CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2021-07-30
[86] 2020-02-05 (PCT/US2020/016874)
[87] (WO2020/163523)
[30] US (62/801,972) 2019-02-06

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[51] **Int.Cl. A01K 27/00 (2006.01) A61B 5/00 (2006.01) A61B 5/16 (2006.01) G10K 11/16 (2006.01) G10K 11/178 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A SOUND MASKING ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES PERMETTANT UN ENVIRONNEMENT MASQUANT LE SON**
[72] SELTZER, RICHARD ALAN, US
[72] HUBER, JON, US
[72] GIFT, GEOFFREY KYLE, US
[71] RADIO SYSTEMS CORPORATION, US
[85] 2021-07-30
[86] 2020-02-04 (PCT/US2020/016617)
[87] (WO2020/163362)
[30] US (16/266,781) 2019-02-04

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[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/435 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **TARGETING CD24-SIGLEC INTERACTIONS FOR THE TREATMENT AND PREVENTION OF NONALCOHOLIC STEATOHEPATITIS**
[54] **CIBLAGE D'INTERACTIONS CD24-SIGLEC POUR LE TRAITEMENT ET LA PREVENTION DE LA STEATOHEPATITE NON ALCOOLIQUE**
[72] LIU, YANG, US
[72] ZHENG, PAN, US
[72] WANG, XU, US
[72] LIU, MINGYUE, US
[72] DEVENPORT, MARTIN, US
[71] ONCOIMMUNE, INC., US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[85] 2021-07-30
[86] 2020-02-05 (PCT/US2020/016881)
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[30] US (62/801,986) 2019-02-06

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[25] EN
[54] **ANTI-CAKING AGENT OR FLOW AGENT FOR A SEASONING, PHARMACEUTICALS OR NUTRACEUTICALS**
[54] **AGENT ANTI-AGGLOMERANT OU AGENT FLUIDIFIANT POUR UN ASSAISONNEMENT OU DES PRODUITS PHARMACEUTIQUES OU NUTRACEUTIQUES**
[72] MEYERS, GREGORY J., US
[72] AMOS, SAMANTHA L., US
[71] GRIFFITH FOODS INTERNATIONAL INC., US
[85] 2021-07-30
[86] 2020-02-05 (PCT/US2020/016726)
[87] (WO2020/163435)
[30] US (62/801,352) 2019-02-05
[30] US (62/836,487) 2019-04-19
[30] US (62/949,602) 2019-12-18

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[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/63 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **MINICIRCLE PRODUCING BACTERIA ENGINEERED TO DIFFERENTIALLY METHYLATE NUCLEIC ACID MOLECULES THEREIN**
[54] **BACTERIES PRODUCTRICES DE MINICERCLE CONCUES POUR PRODUIRE DE MANIERE DIFFERENTIELLE DES MOLECULES D'ACIDE NUCLEIQUE A L'INTERIEUR DE CELLES-CI**
[72] JOHNSTON, CHRISTOPHER, US
[72] COTTON, SEAN, US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2021-07-30
[86] 2020-02-06 (PCT/US2020/017095)
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[30] US (62/802,016) 2019-02-06

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[51] **Int.Cl. B62D 33/02 (2006.01) B60P 1/00 (2006.01) B60R 9/06 (2006.01) B60R 13/01 (2006.01) B62D 25/20 (2006.01)**
[25] EN
[54] **CONFIGURABLE COMMON DECK SYSTEM**
[54] **SYSTEME DE PONT COMMUN CONFIGURABLE**
[72] BARNICLE, LINDEN, US
[72] NELSON, DAVID, US
[72] POYNOR, RAYMOND, US
[72] SANS, ED, US
[71] MSI DEFENSE SOLUTIONS, LLC, US
[85] 2021-07-30
[86] 2020-02-05 (PCT/US2020/016871)
[87] (WO2020/163520)
[30] US (62/801,213) 2019-02-05
[30] US (62/844,095) 2019-05-06

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[51] **Int.Cl. C09J 175/06 (2006.01) C08G 18/32 (2006.01) C08G 18/34 (2006.01) C08G 18/38 (2006.01) C08G 18/42 (2006.01) C08G 18/67 (2006.01) C08G 18/73 (2006.01) C08G 18/75 (2006.01) C08G 18/76 (2006.01) C08G 18/78 (2006.01) C08J 11/26 (2006.01)**
[25] EN
[54] **DEGRADABLE URETHANE AND URETHANE-UREA SYSTEMS**
[54] **SYSTEMES D'URETHANE ET D'URETHANE-UREE DEGRADABLES**
[72] BURDZY, MATTHEW P., US
[72] RASMUSON, MATTHEW J., US
[72] NICHOLSON, REBECCA L., US
[71] LANXESS CORPORATION, US
[85] 2021-07-30
[86] 2020-02-07 (PCT/US2020/017141)
[87] (WO2020/163674)
[30] US (62/802,836) 2019-02-08
[30] EP (19160956.9) 2019-03-06

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[51] **Int.Cl. C07C 213/02 (2006.01) C07C 213/08 (2006.01) C07C 217/84 (2006.01) C07C 231/12 (2006.01) C07C 233/25 (2006.01) C07C 237/20 (2006.01) C07F 5/04 (2006.01)**
[25] EN
[54] **PROCESSES AND COMPOUNDS**
[54] **PROCEDES ET COMPOSES**
[72] MARKEY, MICHAEL, US
[71] RADIUS PHARMACEUTICALS, INC., US
[85] 2021-07-30
[86] 2020-02-11 (PCT/US2020/017777)
[87] (WO2020/167855)
[30] US (62/804,391) 2019-02-12

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[51] **Int.Cl. B23B 47/28 (2006.01) B25B 5/12 (2006.01) B25B 7/12 (2006.01) B25H 1/00 (2006.01) B27C 3/06 (2006.01)**
[25] EN
[54] **SELF-ADJUSTING POCKET HOLE JIG SYSTEM**
[54] **SYSTEME DE GABARIT DE TROU BORGNE A REGLAGE AUTOMATIQUE**
[72] STREMPKE, SHELBY LEE, US
[72] FORBES, TIMOTHY J., US
[72] SCHAAF, SCOTT, US
[72] STEELMAN, DEREK, US
[72] SHIN, KEVIN, US
[71] KREG ENTERPRISES, INC., US
[85] 2021-07-30
[86] 2020-02-12 (PCT/US2020/017818)
[87] (WO2020/167876)
[30] US (62/804,847) 2019-02-13

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[25] EN
[54] **DIET FORMULATIONS FOR RUMINANTS**
[54] **FORMULATIONS DE REGIME ALIMENTAIRE POUR RUMINANTS**
[72] KERLEY, MONTY S., US
[71] BOVETA NUTRITION LLC, US
[85] 2021-07-30
[86] 2020-02-12 (PCT/US2020/017976)
[87] (WO2020/167986)
[30] US (62/805,856) 2019-02-14

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[51] **Int.Cl. C12N 15/35 (2006.01) A61K 38/17 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) C07K 14/015 (2006.01) C07K 14/705 (2006.01) C12N 7/01 (2006.01) C12N 15/12 (2006.01) C12N 15/864 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **GENE THERAPY VECTORS FOR TREATMENT OF DANON DISEASE**
[54] **VECTEURS DE THERAPIE GENIQUE POUR LE TRAITEMENT DE LA MALADIE DE DANON**
[72] KERAVALA, ANNAHITA, US
[72] PRABHAKAR, RAJ, US
[72] SHAH, GAURAV, US
[72] WONG, RODERICK, US
[72] YALAMANCHI, NAVEEN, US
[72] PRATUMSUWAN, PIRATIP, US
[71] SPACECRAFT SEVEN, LLC, US
[85] 2021-07-30
[86] 2020-02-12 (PCT/US2020/017987)
[87] (WO2020/167996)
[30] US (62/804,521) 2019-02-12
[30] US (62/934,928) 2019-11-13

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[51] **Int.Cl. A01K 61/13 (2017.01)**
[25] EN
[54] **TREATMENT RESERVOIRS AND SYSTEMS FOR CONTROLLED RELEASE OF A TREATMENT COMPOUND IN AN AQUATIC ENVIRONMENT**
[54] **RESERVOIRS DE TRAITEMENT ET SYSTEMES DE LIBERATION CONTROLEE D'UN COMPOSE DE TRAITEMENT DANS UN ENVIRONNEMENT AQUATIQUE**
[72] LEONE, SHAUN M., US
[72] SLUPE, ALEXIS N., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-07-30
[86] 2020-02-13 (PCT/US2020/018134)
[87] (WO2020/168095)
[30] US (62/805,620) 2019-02-14

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[13] A1
[51] **Int.Cl. C08L 5/16 (2006.01) C02F 1/28 (2006.01) C08B 15/10 (2006.01)**
[25] EN
[54] **CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME**
[54] **MATERIAUX POLYMERES DE CYCLODEXTRINE PORTEURS DE CHARGE ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] BARIN, GOKHAN, US
[72] SPRUELL, JASON M., US
[72] BROWN, MOIRA, US
[72] LI, SHAN, US
[71] CYCLOPURE, INC., US
[85] 2021-07-30
[86] 2020-02-13 (PCT/US2020/018149)
[87] (WO2020/168104)
[30] US (62/805,505) 2019-02-14

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[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) C07K 14/705 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01)**
[25] EN
[54] **MOLECULES AND THEIR DERIVATIVES DIRECTED AGAINST CD45**
[54] **MOLECULES ET LEURS DERIVES DIRIGES CONTRE CD45**
[72] LUDWIG, DALE L., US
[71] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2021-07-30
[86] 2019-12-31 (PCT/US2019/069041)
[87] (WO2020/159656)
[30] US (62/799,990) 2019-02-01

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[51] **Int.Cl. G01N 33/58 (2006.01) G01N 30/62 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **BODILY PROCESSING OF ACTIVITY SENSORS**
[54] **TRAITEMENT CORPOREL DE CAPTEURS D'ACTIVITE**
[72] BHATIA, SANGEETA, US
[72] KWONG, GABRIEL, US
[72] HUANG, ERIC, US
[72] BANERJEE, SIRSHENDU ROOPOM, US
[72] WARREN, ANDREW DAVID, US
[72] CAZANAVE, SOPHIE, US
[71] GLYMPSE BIO, INC., US
[85] 2021-07-30
[86] 2020-01-30 (PCT/US2020/015823)
[87] (WO2020/160227)
[30] US (62/800,107) 2019-02-01

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[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/00 (2006.01) C12Q 1/37 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/564 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **DETECTING ARCHITECTURAL REMODELLING IN CELLS, EXTRACELLULAR MATRIX, AND THE TISSUE MICROENVIRONMENT**
[54] **DETECTION DE REMODELAGE ARCHITECTURAL DANS UNE MATRICE EXTRACELLULAIRE DE CELLULES, ET DANS LE MICRO-ENVIRONNEMENT TISSULAIRE**
[72] BHATIA, SANGEETA, US
[72] KWONG, GABRIEL, US
[72] HUANG, ERIC, US
[72] BANERJEE, SIRSHENDU ROOPOM, US
[72] WARREN, ANDREW DAVID, US
[72] CAZANAVE, SOPHIE, US
[71] GLYMPSE BIO, INC., US
[85] 2021-07-30
[86] 2020-01-30 (PCT/US2020/015828)
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[30] US (62/800,100) 2019-02-01

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 5/1473 (2006.01) C12Q 1/37 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MONITORING PROGRESSION AND REGRESSION OF DISEASE IN PATIENTS IN RESPONSE TO THERAPY**
[54] **COMPOSITIONS ET PROCEDES DE SURVEILLANCE DE LA PROGRESSION ET DE LA REGRESSION D'UNE MALADIE CHEZ DES PATIENTS EN REPONSE A UNE THERAPIE**
[72] BHATIA, SANGEETA, US
[72] KWONG, GABRIEL, US
[72] HUANG, ERIC, US
[72] BANERJEE, SIRSHENDU ROOPOM, US
[72] WARREN, ANDREW DAVID, US
[72] CAZANAVE, SOPHIE, US
[71] GLYMPSE BIO, INC., US
[85] 2021-07-30
[86] 2020-01-30 (PCT/US2020/015831)
[87] (WO2020/160234)
[30] US (62/800,089) 2019-02-01

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61L 9/00 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS USING CONDITIONING FOR PAIN MINIMIZATION**
[54] **PROCEDES ET SYSTEMES UTILISANT UN CONDITIONNEMENT POUR LA MINIMISATION DE LA DOULEUR**
[72] LAZAROVICH, MARK, US
[71] REMMEDY, LLC, US
[85] 2021-07-30
[86] 2020-01-30 (PCT/US2020/015832)
[87] (WO2020/160235)
[30] US (62/798,659) 2019-01-30
[30] US (16/687,738) 2019-11-19

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[13] A1
[51] **Int.Cl. A61K 31/438 (2006.01) C07D 471/14 (2006.01)**
[25] EN
[54] **DEUTERATED MITRAGYNINE ANALOGS AS SAFER OPIOID MODULATORS IN THE MITRAGYNINE CLASS**
[54] **ANALOGUES DE MITRAGYNINE DEUTERES POUR LE TRAITEMENT DE LA DOULEUR, DE TROUBLES DE L'HUMEUR ET DE TROUBLES LIES A L'USAGE DE SUBSTANCES**
[72] KRUEGEL, ANDREW C., US
[72] SAMES, DALIBOR, US
[72] JAVITCH, JONATHAN A., US
[72] MAJUMDAR, SUSRUTA, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[71] THE RESEARCH FOUNDATION FOR MENTAL HYGIENE, INC., US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2021-07-30
[86] 2020-01-30 (PCT/US2020/015898)
[87] (WO2020/160280)
[30] US (62/800,369) 2019-02-01

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[51] **Int.Cl. F01C 21/10 (2006.01) F04C 23/00 (2006.01) F04C 29/04 (2006.01)**
[25] FR
[54] **MULTISTAGE PUMP BODY AND MULTISTAGE GAS PUMP**
[54] **CORPS DE POMPE MULTIETAGEE ET POMPE A GAZ MULTIETAGEE**
[72] ILTCHEV, THEODORE, FR
[72] DESSI, SERGIO, FR
[72] VARRIN, STEPHANE, CH
[71] ATELIERS BUSCH SA, CH
[85] 2021-08-02
[86] 2019-02-06 (PCT/EP2019/052939)
[87] (WO2020/160770)

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[13] A1
[51] **Int.Cl. G02B 6/42 (2006.01) H04B 10/118 (2013.01)**
[25] FR
[54] **INJECTION OF A BEAM OF RADIATION INTO AN OPTICAL FIBRE**
[54] **INJECTION D'UN FAISCEAU DE RAYONNEMENT DANS UNE FIBRE OPTIQUE**
[72] HULIN, JEREMY, FR
[72] BERCEAU, PAUL, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2021-08-02
[86] 2020-01-14 (PCT/FR2020/050045)
[87] (WO2020/161405)
[30] FR (19 01267) 2019-02-08

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[13] A1
[51] **Int.Cl. H04N 21/643 (2011.01) H04N 21/40 (2011.01) H04N 21/4363 (2011.01) H04L 12/70 (2013.01)**
[25] EN
[54] **VIDEO DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE VIDEO**
[72] UTUKURI, AVANINDRA, CA
[72] RANDHAWA, BHUPINDER, CA
[71] VIZETTO INC., CA
[85] 2021-07-31
[86] 2020-01-26 (PCT/CA2020/050093)
[87] (WO2020/154796)
[30] US (62/799,677) 2019-01-31

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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) H04W 4/38 (2018.01) H04Q 9/00 (2006.01)**
[25] FR
[54] **LOW-CONSUMPTION HUB AND DETECTOR CONFIGURED TO COMMUNICATE WITH THIS HUB**
[54] **CONCENTRATEUR BASSE CONSOMMATION ET DETECTEUR CONFIGURE POUR COMMUNIQUER AVEC CE CONCENTRATEUR**
[72] WERLY, JULIEN, FR
[72] D'AGOSTINO, ANGELIQUE, FR
[72] RUPIN, FABIAN, FR
[71] ENGIE, FR
[85] 2021-08-02
[86] 2020-02-04 (PCT/FR2020/050182)
[87] (WO2020/161430)
[30] FR (1901119) 2019-02-05

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[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01)**
[25] EN
[54] **PESTICIDE SUSPENSION CONCENTRATE AND FERTILIZER COMPOSITION THEREWITH**
[54] **CONCENTRE DE PESTICIDE EN SUSPENSION ET COMPOSITION D'ENGRAIS ASSOCIEE**
[72] BORACCI, ANDREW RICHARD, US
[72] ZHU, SHAWN, US
[72] FRANKLIN, RALPH, US
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2021-08-02
[86] 2019-02-21 (PCT/EP2019/054266)
[87] (WO2019/162353)
[30] US (62/634,264) 2018-02-23
[30] EP (18165374.2) 2018-04-03

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[13] A1
[51] **Int.Cl. B22F 9/06 (2006.01) B33Y 70/00 (2020.01) C22B 9/16 (2006.01)**
[25] EN
[54] **ALLOYS WITH A LOW DENSITY OF PRECIPITATES FOR USE IN APPLICATIONS THAT INCLUDE REMELTING PROCESSES, AND PREPARATION PROCESS THEREOF**
[54] **ALLIAGES AYANT UNE FAIBLE DENSITE DE PRECIPITES DESTINES A ETRE UTILISES DANS DES APPLICATIONS QUI COMPRENNENT DES PROCEDES DE REFUSION, ET PROCEDE DE PREPARATION ASSOCIE**
[72] GALLERNEAULT, WILLARD MARK TRUMAN, CA
[72] DORCHEH, KAMRAN AZARI, CA
[72] YIN, SHENGZE, CA
[72] CONLON, MARTIN JOHN, CA
[71] EQUISPHERES INC., CA
[85] 2021-08-02
[86] 2020-02-07 (PCT/CA2020/050170)
[87] (WO2020/160682)
[30] US (62/802,498) 2019-02-07

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[51] **Int.Cl. A01N 43/90 (2006.01) A01N 3/00 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) C07D 487/22 (2006.01)**
[25] EN
[54] **THE USE OF PROTOPORPHYRIN IX DERIVATIVES TO IMPROVE THE HEALTH OF PLANTS**
[54] **UTILISATION DE DERIVES DE PROTOPORPHYRINE IX POUR AMELIORER LA SANTE DE PLANTES**
[72] FEFER, MICHAEL, CA
[72] LIU, JUN, CA
[72] TERAZONO, YUICHI, CA
[72] NG, KENNETH, CA
[72] SHEN, YOUQING, CN
[71] SUNCOR ENERGY INC., CA
[85] 2021-08-02
[86] 2020-02-14 (PCT/CA2020/050197)
[87] (WO2020/163964)
[30] US (62/806,084) 2019-02-15

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[13] A1
[51] **Int.Cl. A01N 43/90 (2006.01) A01N 25/30 (2006.01) A01N 37/44 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **PHOTOSENSITIZER AND CHELATING AGENT COMBINATIONS FOR USE AS INSECTICIDES**
[54] **COMBINAISONS DE PHOTOSENSIBILISATEUR ET D'AGENT CHELATANT DESTINEES A ETRE UTILISEES COMME INSECTICIDES**
[72] FEFER, MICHAEL, CA
[72] LIU, JUN, CA
[72] TESHLER, INNA, CA
[72] STEELE, LISA, CA
[71] SUNCOR ENERGY INC., CA
[85] 2021-08-02
[86] 2020-02-14 (PCT/CA2020/050198)
[87] (WO2020/163965)
[30] US (62/806,110) 2019-02-15

[21] **3,128,735**
[13] A1
[51] **Int.Cl. G01N 33/00 (2006.01) G01N 33/24 (2006.01)**
[25] FR
[54] **MEASUREMENT DEVICE, IN PARTICULAR FOR DETECTING HYDROGEN IN THE SOIL OF A REGION**
[54] **DISPOSITIF DE MESURE, EN PARTICULIER POUR LA DETECTION DE DIHYDROGENE DANS LE SOL D'UNE REGION**
[72] GORINTIN, LOUIS, FR
[72] WERLY, JULIEN, FR
[72] D'AGOSTINO, ANGELIQUE, FR
[71] ENGIE, FR
[85] 2021-08-02
[86] 2020-02-04 (PCT/FR2020/050183)
[87] (WO2020/161431)
[30] FR (1901121) 2019-02-05

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[13] A1
[51] **Int.Cl. G02B 7/00 (2021.01) G02B 7/02 (2021.01) G02B 7/18 (2021.01)**
[25] EN
[54] **CENTERING OF AN OPTICAL ELEMENT USING EDGE CONTACT MOUNTING**
[54] **CENTRAGE D'UN ELEMENT OPTIQUE A L'AIDE D'UN MONTAGE DE CONTACT DE BORD**
[72] SAVARD, MAXIME, CA
[72] LAMONTAGNE, FREDERIC, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
[85] 2021-08-02
[86] 2020-02-18 (PCT/CA2020/050207)
[87] (WO2020/168420)
[30] US (62/807,081) 2019-02-18
[30] US (62/960,845) 2020-01-14

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[13] A1
[51] **Int.Cl. A61N 5/10 (2006.01) A61N 5/01 (2006.01) A61N 5/04 (2006.01) A61N 5/06 (2006.01) A61N 5/067 (2006.01) A61N 5/073 (2006.01) A61N 5/08 (2006.01)**
[25] EN
[54] **AN ADJUSTABLE THERAPEUTIC FACE MASK**
[54] **MASQUE FACIAL THERAPEUTIQUE REGLABLE**
[72] GROSS, DENNIS F., US
[71] GROSS, DENNIS F., US
[85] 2021-08-02
[86] 2019-06-27 (PCT/US2019/039444)
[87] (WO2020/263258)

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[13] A1
[51] **Int.Cl. C09K 5/14 (2006.01)**
[25] EN
[54] **PHASE CHANGE MATERIALS (PCMS) WITH SOLID TO SOLID TRANSITIONS**
[54] **MATERIAUX A CHANGEMENT DE PHASE (PCM) A TRANSITIONS SOLIDE A SOLIDE**
[72] BISSELL, ANDREW JOHN, GB
[72] OLIVER, DAVID, GB
[72] PULHAM, COLIN RICHARD, GB
[72] CLARK, ROWAN, GB
[72] LOGAN, HANNAH, GB
[71] SUNAMP LIMITED, GB
[85] 2021-07-23
[86] 2020-02-10 (PCT/GB2020/050299)
[87] (WO2020/161507)
[30] GB (1901761.5) 2019-02-08

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[13] A1
[51] **Int.Cl. F16K 31/26 (2006.01)**
[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] COCCIARDI, PETER, AU
[71] MAGENTA HAZE PTY LTD, AU
[85] 2021-08-03
[86] 2020-02-17 (PCT/AU2020/000017)
[87] (WO2020/163898)
[30] AU (2019900495) 2019-02-15

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[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) A63B 71/08 (2006.01)**
[25] EN
[54] **INSTRUMENTED MOUTHGUARD DEVICES AND COMPONENTS CONFIGURED FOR USE IN INSTRUMENTED MOUTHGUARD DEVICES**
[54] **DISPOSITIFS DE PROTEGE-DENTS INSTRUMENTES ET ELEMENTS CONCUS POUR ETRE UTILISES DANS DES DISPOSITIFS DE PROTEGE-DENTS INSTRUMENTES**
[72] VEGAR, MICHAEL, AU
[72] NIZETTE, BEN, AU
[72] LANG, LUCAS, AU
[72] AUSTIN, DAVID, AU
[71] HITIQ LIMITED, AU
[85] 2021-08-03
[86] 2020-02-05 (PCT/AU2020/050096)
[87] (WO2020/160621)
[30] AU (2019900364) 2019-02-06

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C09D 7/63 (2018.01) C09D 7/65 (2018.01) C09D 5/02 (2006.01) C09D 133/00 (2006.01) C09D 167/00 (2006.01) C09D 175/04 (2006.01) C09D 175/08 (2006.01)**
[25] EN
[54] **WATER-BASED COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT AQUEUX**
[72] HIRAMATSU, RYUSUKE, JP
[72] MORISHITA, YOSUKE, JP
[72] FURUYA, DAISUKE, JP
[71] KANSAI PAINT CO., LTD., JP
[85] 2021-08-02
[86] 2020-01-15 (PCT/JP2020/001113)
[87] (WO2020/162126)
[30] JP (2019-021119) 2019-02-08
[30] JP (2019-074877) 2019-04-10

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[51] **Int.Cl. E05B 47/06 (2006.01) E05B 41/00 (2006.01) E05B 45/06 (2006.01) E05B 47/04 (2006.01) E05B 65/10 (2006.01)**
[25] EN
[54] **MOTORIZED TRIM**
[54] **GARNITURE MOTORISEE**
[72] ARLINGHAUS, PAUL R., US
[72] LEHNER, JACK R. JR., US
[72] TOLODAY, DAVID V., US
[72] CHANDRASEKHARA, SURESHA, IN
[72] STALTER, JOHN, US
[72] AUSTIN, MARLIN, US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2021-08-02
[86] 2020-02-03 (PCT/US2020/016396)
[87] (WO2020/160538)
[30] US (16/265,116) 2019-02-01

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[13] A1
[51] **Int.Cl. F24S 70/65 (2018.01) F24S 80/30 (2018.01)**
[25] EN
[54] **A MULTI-CHAMBER SOLAR COLLECTOR**
[54] **CAPTEUR SOLAIRE A CHAMBRES MULTIPLES**
[72] WORTHINGTON, RICHARD JOHN, AU
[71] WORTHINGTON, RICHARD JOHN, AU
[85] 2021-08-03
[86] 2020-02-13 (PCT/AU2020/050121)
[87] (WO2020/163914)
[30] AU (2019900463) 2019-02-13
[30] AU (2019901056) 2019-03-29

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[13] A1
[51] **Int.Cl. A01K 47/06 (2006.01) G06F 3/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING BEEHIVE STRENGTH**
[54] **SYSTEMES ET PROCEDES DE MESURE DE LA RESISTANCE DE RUCHES**
[72] SYMES, ELLIE W., US
[72] WELLS, WYATT C., US
[72] RIGGS, GRETCHEN M., US
[72] ALEXEEV, GLEB A., US
[72] GAETA, JORDAN, US
[72] MEYER, MICHAEL, US
[72] HOROHO, TYLER, US
[72] LONG, ROBERT, US
[72] RIMAL, DIPAK, US
[71] THE BEE CORP, US
[85] 2021-08-02
[86] 2020-02-03 (PCT/US2020/016423)
[87] (WO2020/160548)
[30] US (62/800,276) 2019-02-01

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[13] A1
[51] **Int.Cl. F17C 7/00 (2006.01) F03D 9/17 (2016.01) B65G 5/00 (2006.01) F15B 1/027 (2006.01) F17B 1/16 (2006.01) F17C 5/06 (2006.01) F17C 13/00 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **REVERSIBLE HEAT EXCHANGERS IN COMPRESSED AIR ENERGY STORAGE SYSTEMS**
[54] **SYSTEME DE STOCKAGE D'ENERGIE DE GAZ COMPRIME**
[72] LEWIS, CAMERON, CA
[72] MCGILLIS, ANDREW, CA
[72] YOUNG, DAVIN, CA
[71] HYDROSTOR INC., CA
[85] 2021-08-03
[86] 2019-05-22 (PCT/CA2019/050700)
[87] (WO2020/160635)
[30] US (62/802,746) 2019-02-08

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[13] A1
[51] **Int.Cl. B05C 17/005 (2006.01) B05C 17/01 (2006.01)**
[25] EN
[54] **CAULKING GUN**
[54] **PISTOLET A CALFEUTRER**
[72] POPPE, JEAN-MARIE, BE
[72] VANLERBERGHE, NIELS, BE
[72] CALLENS, JONATHAN, BE
[71] ALTACHEM N.V., BE
[85] 2021-07-15
[86] 2020-03-16 (PCT/EP2020/057146)
[87] (WO2020/187852)
[30] BE (BE2019/5171) 2019-03-20

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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'HEMOGLOBINOPATHIES**
[72] SLAYMAKER, IAN, US
[72] GAUDELLI, NICOLE, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[72] PACKER, MICHAEL, US
[71] BEAM THERAPEUTICS INC., US
[85] 2021-08-02
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[87] (WO2020/168133)
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[51] **Int.Cl. G01S 17/88 (2006.01) G01S 17/04 (2020.01) G01S 7/481 (2006.01) G01S 17/08 (2006.01) H01L 21/66 (2006.01)**
[25] EN
[54] **LOW PROFILE OPTICAL SENSOR**
[54] **CAPTEUR OPTIQUE A PROFIL BAS**
[72] SYVENKYY, YURIY, CA
[71] PHOTON CONTROL INC., CA
[85] 2021-08-03
[86] 2020-02-04 (PCT/CA2020/050131)
[87] (WO2020/160649)
[30] US (62/800,595) 2019-02-04

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[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **COMPOUNDS, COMPOSITIONS, AND METHODS FOR SELECTIVELY INHIBITING .BETA.-GLUCURONIDASES AND ALLEVIATING SIDE EFFECTS ASSOCIATED WITH DRUG TREATMENT INDUCED DIARRHEA**
[54] **COMPOSES, COMPOSITIONS ET PROCEDES D'INHIBITION SELECTIVE DE .BETA.-GLUCURONIDASES ET DE SOULAGEMENT D'EFFETS SECONDAIRES ASSOCIES A LA DIARRHEE INDUITE PAR UN TRAITEMENT MEDICAMENTEUX**
[72] TAVARES, FRANCIS X., US
[72] WALLACE, BRET D., US
[72] PETERSON, WARD, US
[71] SYMBERIX, INC., US
[85] 2021-08-02
[86] 2020-03-06 (PCT/US2020/021416)
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[30] US (62/815,096) 2019-03-07

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[51] **Int.Cl. B65G 5/00 (2006.01) F03D 9/13 (2016.01) F03D 9/17 (2016.01) B65D 5/00 (2006.01) F03B 13/06 (2006.01) F17B 1/16 (2006.01) F17C 5/06 (2006.01) F17C 7/00 (2006.01) F17C 13/00 (2006.01) F28D 19/02 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **OVER-PRESSURIZATION FOR COMPRESSED AIR ENERGY STORAGE SYSTEMS**
[54] **SURPRESSURISATION D'ACCUMULATEUR DANS UN SYSTEME DE STOCKAGE D'ENERGIE D'AIR COMPRIME A COMPENSATION HYDROSTATIQUE**
[72] YOUNG, DAVIN, CA
[72] BROWN, DAVID, CA
[72] LEWIS, CAMERON, CA
[72] ROSS, TIMOTHY, US
[71] HYDROSTOR INC., CA
[85] 2021-08-03
[86] 2020-02-06 (PCT/CA2020/050153)
[87] (WO2020/160670)
[30] US (62/802,750) 2019-02-08

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[51] **Int.Cl. H04N 19/186 (2014.01) H04N 19/61 (2014.01)**
[25] EN
[54] **PARAMETER DERIVATION FOR INTRA PREDICTION**
[54] **DERIVATION DE PARAMETRE DESTINEE A UNE PREDICTION INTRA**
[72] ZHANG, KAI, US
[72] ZHANG, LI, US
[72] LIU, HONGBIN, CN
[72] XU, JIZHENG, US
[72] WANG, YUE, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
[71] BYTEDANCE INC., US
[85] 2021-08-03
[86] 2020-02-24 (PCT/CN2020/076362)
[87] (WO2020/169102)
[30] CN (PCT/CN2019/075993) 2019-02-24
[30] CN (PCT/CN2019/076195) 2019-02-26
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[51] **Int.Cl. A22C 21/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AUTOMATICALLY RECOVERING BREAST FILLETS FROM POULTRY CARCASSES OR PARTS THEREOF**
[54] **DISPOSITIF ET PROCEDE POUR LEVER DE MANIERE AUTOMATIQUE DES FILETS DE POITRINE DE CORPS DE VOLAILLE OU DE PARTIES DESDITS CORPS DE VOLAILLE**
[72] SCHULZE, ADRIAN, DE
[71] NORDISCHER MASCHINENBAU RUD.BAADER GMBH + CO. KG, DE
[85] 2021-08-03
[86] 2019-09-30 (PCT/EP2019/076412)
[87] (WO2020/164759)
[30] EP (19156371.7) 2019-02-11

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[51] **Int.Cl. B65G 5/00 (2006.01) F03D 9/13 (2016.01) F03D 9/17 (2016.01) F03B 13/06 (2006.01) F04B 41/02 (2006.01) F17B 1/16 (2006.01) F17C 5/06 (2006.01) F17C 7/00 (2006.01) F17C 13/00 (2006.01) F28D 19/02 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR STORING THERMAL ENERGY IN A COMPRESSED GAS ENERGY STORAGE SYSTEM**
[54] **PROCEDES ET SYSTEMES DE STOCKAGE D'ENERGIE THERMIQUE DANS UN SYSTEME DE STOCKAGE D'ENERGIE PAR GAZ COMPRIME**
[72] YOUNG, DAVIN, CA
[72] THEXTON, LUCAS, CA
[72] LEWIS, CAMERON, CA
[71] HYDROSTOR INC., CA
[85] 2021-08-03
[86] 2020-02-07 (PCT/CA2020/050169)
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[51] **Int.Cl. B65G 5/00 (2006.01) F03D 9/13 (2016.01) F03D 9/17 (2016.01) F03B 13/06 (2006.01) F17B 1/16 (2006.01) F17C 5/06 (2006.01) F17C 7/00 (2006.01) F17C 13/00 (2006.01) F28D 19/02 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **A HYDROSTATICALLY COMPENSATED CAES SYSTEM HAVING AN ELEVATED COMPENSATION LIQUID RESERVOIR**
[54] **SYSTEME DE CAES A COMPENSATION HYDROSTATIQUE DOTE D'UN RESERVOIR ELEVE DE LIQUIDE DE COMPENSATION**
[72] YOUNG, DAVIN, CA
[72] LEWIS, CAMERON, CA
[71] HYDROSTOR INC., CA
[85] 2021-08-03
[86] 2020-02-26 (PCT/CA2020/050246)
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[51] **Int.Cl. E21B 4/00 (2006.01) E21B 7/04 (2006.01)**
[25] EN
[54] **MODIFIED TORQUE GENERATOR AND METHODS OF USE**
[54] **GENERATEUR DE COUPLE MODIFIE ET PROCEDES D'UTILISATION**
[72] CAMPBELL, JOSH, CA
[71] ANDERSON, CHARLES ABERNETHY, CA
[85] 2021-08-03
[86] 2020-07-31 (PCT/CA2020/051060)
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[30] US (62/880,717) 2019-07-31

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[51] **Int.Cl. C12M 3/08 (2006.01)**
[25] EN
[54] **CLOSED TISSUE DISAGGREGATION AND CRYOPRESERVATION**
[54] **DESAGREGATION ET CRYOCONSERVATION DE TISSU ENFERME**
[72] MORRIS, GEORGE JOHN, GB
[72] LAMB, STEPHEN, GB
[71] ASYMPTOTE LTD, GB
[85] 2021-08-03
[86] 2020-02-28 (PCT/EP2020/000053)
[87] (WO2020/177920)
[30] GB (1902763.0) 2019-03-01
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[51] **Int.Cl. H04L 1/00 (2006.01) G10L 19/005 (2013.01)**
[25] EN
[54] **DECODER AND DECODING METHOD SELECTING AN ERROR CONCEALMENT MODE, AND ENCODER AND ENCODING METHOD**
[54] **DECODEUR ET PROCEDE DE DECODAGE SELECTIONNANT UN MODE DE DISSIMULATION D'ERREUR, ET CODEUR ET PROCEDE DE CODAGE**
[72] TOMASEK, ADRIAN, DE
[72] SPERSCHNEIDER, RALPH, DE
[72] BUTHE, JAN, DE
[72] BENNDORF, CONRAD, DE
[72] DIETZ, MARTIN, DE
[72] SCHNELL, MARKUS, DE
[72] SCHLEGEL, MAXIMILIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-08-03
[86] 2020-02-12 (PCT/EP2020/053618)
[87] (WO2020/165263)
[30] EP (19157042.3) 2019-02-13
[30] EP (19156997.9) 2019-02-13
[30] EP (19157036.5) 2019-02-13
[30] EP (19157047.2) 2019-02-13
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[51] **Int.Cl. G10L 19/005 (2013.01) H04L 1/00 (2006.01) G10L 19/02 (2013.01)**
[25] EN
[54] **DECODER AND DECODING METHOD FOR LC3 CONCEALMENT INCLUDING FULL FRAME LOSS CONCEALMENT AND PARTIAL FRAME LOSS CONCEALMENT**
[54] **DECODEUR ET PROCEDE DE DECODAGE POUR MASQUAGE LC3 COMPRENANT UN MASQUAGE DE PERTE DE TRAME COMPLETE ET UN MASQUAGE DE PERTE DE TRAME PARTIELLE**
[72] TOMASEK, ADRIAN, DE
[72] SPERSCHNEIDER, RALPH, DE
[72] BUETHE, JAN, DE
[72] BENNDORF, CONRAD, DE
[72] DIETZ, MARTIN, DE
[72] SCHNELL, MARKUS, DE
[72] SCHLEGEL, MAXIMILIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-08-03
[86] 2020-02-12 (PCT/EP2020/053620)
[87] (WO2020/165265)
[30] EP (19156997.9) 2019-02-13
[30] EP (19157036.5) 2019-02-13
[30] EP (19157042.3) 2019-02-13
[30] EP (19157047.2) 2019-02-13
[30] EP (PCT/EP2019/065172) 2019-06-11
[30] EP (PCT/EP2019/065205) 2019-06-11
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[51] **Int.Cl. H04W 74/02 (2009.01) H04W 74/04 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **LISTEN BEFORE TALK WIRELESS COMMUNICATION ENHANCEMENTS**
[54] **AMELIORATIONS DE COMMUNICATION SANS FIL D'ACCES MULTIPLE AVEC ECOUTE AVANT DE PARLER**
[72] ZHANG, LI, CN
[72] VUTUKURI, ESWAR KALYAN, CN
[72] ZHAO, YAJUN, CN
[71] ZTE CORPORATION, CN
[85] 2021-08-03
[86] 2019-02-14 (PCT/CN2019/075108)
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[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **TYPE I INTERFERON-MEDIATED DISORDERS**
[54] **TROUBLES INDUITS PAR L'INTERFERON DE TYPE I**
[72] CASEY, KERRY, US
[72] SINIBALDI, DOMINIC, US
[72] SMITH, MICHAEL, US
[72] SANJUAN, MIGUEL, US
[71] ASTRAZENECA AB, SE
[85] 2021-08-03
[86] 2020-02-14 (PCT/EP2020/053962)
[87] (WO2020/165437)
[30] US (62/806,002) 2019-02-15

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **DATA SCHEDULING METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE PLANIFICATION DE DONNEES**
[72] LUO, ZHIHU, CN
[72] LI, JUN, CN
[72] JIN, ZHE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-08-03
[86] 2019-09-29 (PCT/CN2019/109250)
[87] (WO2020/155660)
[30] CN (PCT/CN2019/074720) 2019-02-03
[30] CN (PCT/CN2019/085354) 2019-04-30

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[13] A1
[51] **Int.Cl. H04W 8/20 (2009.01) H04W 76/10 (2018.01) H04W 76/30 (2018.01)**
[25] EN
[54] **TERMINAL CAPABILITY IDENTIFIER OPERATION METHOD AND COMMUNICATIONS DEVICE**
[54] **PROCEDE OPERATIONNEL POUR L'IDENTIFICATION DE LA CAPACITE D'UN TERMINAL ET DISPOSITIF DE COMMUNICATION**
[72] KE, XIAOWAN, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2021-08-03
[86] 2020-02-03 (PCT/CN2020/074201)
[87] (WO2020/156566)
[30] CN (201910108736.3) 2019-02-03

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[13] A1
[51] **Int.Cl. E02B 15/04 (2006.01) B63B 35/32 (2006.01) E02B 15/10 (2006.01)**
[25] EN
[54] **A SEPARATING ARRANGEMENT FOR A DEVICE FOR COLLECTING WASTE FROM WATER AND A DEVICE**
[54] **AGENCEMENT DE SEPARATION POUR DISPOSITIF DE COLLECTE DE DECHETS DANS L'EAU ET DISPOSITIF ASSOCIE**
[72] MYLLYKOSKI, JOHANNES, FI
[71] CLEWAT OY, FI
[85] 2021-08-03
[86] 2020-02-06 (PCT/FI2020/000004)
[87] (WO2020/161381)
[30] FI (20197020) 2019-02-08

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A BINDER-TOXIN FUSION PROTEIN IN A PLANT CELL OR A WHOLE PLANT**
[54] **PROCEDE DE PRODUCTION D'UNE PROTEINE DE FUSION LIANT-TOXINE DANS UNE CELLULE VEGETALE OU UNE PLANTE ENTIERE**
[72] MAGY, BERTRAND, BE
[72] HOURY, MAX, BE
[71] ATB THERAPEUTICS, BE
[85] 2021-08-03
[86] 2020-02-18 (PCT/EP2020/054263)
[87] (WO2020/169620)
[30] EP (19157839.2) 2019-02-18

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[51] **Int.Cl. A01K 97/04 (2006.01) A01K 85/00 (2006.01)**
[25] EN
[54] **A FISHING BAIT, A MOULDABLE COMPOSITION FOR MANUFACTURING THE FISHING BAIT, A METHOD FOR MANUFACTURING THE FISHING BAIT AND A USE OF THE MOULDABLE COMPOSITION**
[54] **APPAT DE PECHE, COMPOSITION MOULABLE POUR LA FABRICATION DE L'APPAT DE PECHE, PROCEDE DE FABRICATION DE L'APPAT DE PECHE ET UTILISATION DE LA COMPOSITION MOULABLE**
[72] KOKKONEN, JARI, FI
[72] SIIRTOLA, JUHA, FI
[72] DICK, EBERHARD, DE
[72] GOTTLING, SONJA, DE
[72] WIRTH, SIGRID, DE
[71] KL-TEHO OY, FI
[85] 2021-08-03
[86] 2020-02-20 (PCT/FI2020/050105)
[87] (WO2020/169885)
[30] EP (19158188.3) 2019-02-20

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[51] **Int.Cl. C22B 26/12 (2006.01) C01B 33/187 (2006.01) C09C 1/00 (2006.01) C22B 26/22 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SOLID PARTICLES, SOLID PARTICLES, AND THE USE THEREOF**
[54] **PROCEDE DE PRODUCTION DE PARTICULES SOLIDES, PARTICULES SOLIDES ET LEUR UTILISATION**
[72] OETZEL, ERICH, DE
[72] KRAUTER, REINHARD, DE
[71] GEBRUDER DORFNER GMBH & CO. KAOLIN- UND KRISTALLQUARZSAND-WERKE KG, DE
[85] 2021-08-03
[86] 2020-02-20 (PCT/EP2020/054561)
[87] (WO2020/169777)
[30] DE (10 2019 104 577.0) 2019-02-22

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[13] A1
[51] **Int.Cl. B29C 45/30 (2006.01) B29C 45/27 (2006.01)**
[25] EN
[54] **HOT OR COLD RUNNER DEVICE FOR AN INJECTION MOLD COMPRISING AN EXCHANGEABLE DEFLECTION AND DISTRIBUTION INSERT**
[54] **DISPOSITIF A CANAL CHAUD OU FROID POUR UN OUTIL DE MOULAGE PAR INJECTION DOTE D'UN INSERT DE DEVIATION ET D'UN INSERT DE DISTRIBUTION INTERCHANGEABLES**
[72] BRAUN, PETER, DE
[71] EWIKON HEISSKANALSYSTEME GMBH, DE
[85] 2021-08-03
[86] 2020-03-05 (PCT/EP2020/055839)
[87] (WO2020/200625)
[30] DE (10 2019 106 975.0) 2019-03-29

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[13] A1
[51] **Int.Cl. A24B 15/24 (2006.01) A24B 15/00 (2006.01)**
[25] EN
[54] **LIQUID TOBACCO EXTRACT, METHOD FOR MAKING AND AEROSOL-GENERATING ARTICLES COMPRISING SUCH**
[54] **EXTRAIT DE TABAC LIQUIDE, PROCEDE DE FABRICATION ET ARTICLES DE GENERATION D'AEROSOL COMPRENANT UN TEL EXTRAIT**
[72] BIASIOLI, MATTEO, CH
[72] FARINE, MARIE, CH
[72] FRAUENDORFER, FELIX, CH
[72] KUC, JAGODA, CH
[72] LANASPEZE, SEBASTIEN, CH
[72] LAUENSTEIN, STEFAN, CH
[72] MIVELAZ, BENOIT, CH
[72] RAPHOZ, CHRISTEL, CH
[72] SILVESTRINI, PATRICK CHARLES, CH
[72] TZIMOULIS, STEVE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2021-08-03
[86] 2020-06-05 (PCT/EP2020/065710)
[87] (WO2020/245414)
[30] EP (19178548.4) 2019-06-05

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[13] A1
[51] **Int.Cl. B61L 15/00 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **ELECTRONICALLY CONTROLLED PNEUMATIC RAILWAY CAR WITH END OF TRAIN DEVICE MODE**
[54] **WAGON DE CHEMIN DE FER PNEUMATIQUE A COMMANDE ELECTRONIQUE AVEC MODE DE DISPOSITIF DE FIN DE TRAIN**
[72] GRAHAM, SAMUEL D., CA
[72] LADUC, JOHN W., US
[72] CROWLEY, BRENDAN WADE, US
[72] MCLAUGHLIN, BRYAN M., US
[72] STEVENS, DALE R., US
[72] SOCHA, DAVID M., US
[72] LEWIS, ROGER B., US
[72] HALL, EVAN M., US
[71] NEW YORK AIR BRAKE, LLC, US
[85] 2021-08-03
[86] 2019-02-04 (PCT/US2019/016458)
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[30] US (16/266,179) 2019-02-04

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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE WITH MISALIGNED CANNULA**
[54] **DISPOSITIF MEDICAL A CANULE NON ALIGNEE**
[72] DE ZOLT, DARIO, IT
[72] LAGANA', MATTEO, IT
[71] SOL-MILLENNIUM SWISS R&D CENTER SA, CH
[85] 2021-08-03
[86] 2020-01-22 (PCT/IB2020/050495)
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[30] IT (102019000001685) 2019-02-06

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **ELECTROCARDIOGRAM PROCESSING SYSTEM FOR DELINEATION AND CLASSIFICATION**
[54] **SYSTEME DE TRAITEMENT D'ELECTROCARDIOGRAMME PERMETTANT LA DELIMITATION ET LA CLASSIFICATION**
[72] LI, JIA, FR
[72] POMIER, ROMAIN, FR
[72] SCABELLONE, CHIARA, FR
[72] GAUDEFROY, CYRIL, FR
[72] BARRE, BENJAMIN, FR
[72] FONTANARAVA, JULIEN, FR
[72] GARDELLA, CHRISTOPHE, FR
[72] SORNAY, MATHIEU, FR
[72] BORDIER, THOMAS, FR
[72] PRIOR, KAREN, FR
[72] DE SAINT VICTOR, MARIE-ALBANE, FR
[71] CARDIOLOGS TECHNOLOGIES SAS, FR
[85] 2021-08-03
[86] 2020-02-03 (PCT/IB2020/050850)
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[30] US (16/267,380) 2019-02-04

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[13] A1
[51] **Int.Cl. F16L 11/24 (2006.01) A61M 39/12 (2006.01) F16L 33/34 (2006.01) F16L 47/02 (2006.01)**
[25] EN
[54] **TUBING MARKERS**
[54] **MARQUEURS DE TUBE**
[72] SUWITO, WANTJINARJO, US
[72] JEDRZEJEWSKI, CHRISTOPHER KAZIMIERZ, US
[72] WANG, AARON EN-YU, US
[72] CHRISTENSEN, COREY MARK, US
[71] CAREFUSION 303, INC., US
[85] 2021-08-03
[86] 2019-12-27 (PCT/US2019/068810)
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[30] US (16/266,877) 2019-02-04

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[51] **Int.Cl. A61K 31/517 (2006.01) A61K 31/4184 (2006.01) A61P 9/00 (2006.01) C07D 235/26 (2006.01)**
[25] EN
[54] **METHODS AND COMPOUNDS FOR INHIBITION OF INACTIVATION OF VOLTAGE-GATED SODIUM CHANNELS**
[54] **PROCEDES ET COMPOSES POUR L'INHIBITION DE L'INACTIVATION DE CANAUX SODIQUES SENSIBLES A LA TENSION**
[72] ABDELSAYED, MENA F., CA
[72] RUBEN, PETER C., CA
[71] SIMON FRASER UNIVERSITY, CA
[85] 2021-08-03
[86] 2020-02-04 (PCT/IB2020/050853)
[87] (WO2020/161606)
[30] US (62/800,932) 2019-02-04

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[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 47/135 (2012.01)**
[25] EN
[54] **SEMI-AUTONOMOUS DOWNHOLE TAXI WITH FIBER OPTIC COMMUNICATION**
[54] **TAXI SEMI-AUTONOME DE FOND DE TROU, COMMUNIQUANT PAR FIBRE OPTIQUE**
[72] BOULDIN, BRETT W., SA
[72] TURNER, ROBERT JOHN, SA
[72] BUKHAMSEEN, AHMED Y., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-08-03
[86] 2020-01-30 (PCT/US2020/015930)
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[54] **FORMAGE PAR IMPACT DE COMPOSITES THERMOPLASTIQUES**
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[71] TRELLEBORG SEALING SOLUTIONS US, INC., US
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[54] **CROSS-LAMINATED TIMBER PANELS**
[54] **PANNEAUX DE BOIS STRATIFIES CROISES**
[72] ESPINOSA, THOMAS M., US
[71] CETRES HOLDINGS, LLC, US
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[54] **COMPOSITION AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES**
[54] **COMPOSITION ET PROCEDE POUR EMPECHER OU REDUIRE LE PREALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE PAR ETINCELLES A INJECTION DIRECTE**
[72] ELLIOTT, IAN G., US
[72] CHERPECK, RICHARD EUGENE, US
[72] MILLER, JOHN ROBERT, US
[72] GUNAWAN, THERESA LIANG, US
[72] MARIA, AMIR GAMAL, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON USA INC., US
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[54] **SYSTEM AND METHOD FOR PRIORITIZING CONTENT BASED ON AUTOMOBILE-USAGE PATTERNS**
[54] **SYSTEME ET PROCEDE POUR CLASSER UN CONTENU PAR ORDRE DE PRIORITE SUR LA BASE DE PROFILS D'UTILISATION D'AUTOMOBILE**
[72] CORDELL, JOHN P., US
[71] XEVO INC., US
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[54] **COMBINATION GENE TARGETS FOR IMPROVED IMMUNOTHERAPY**
[54] **CIBLES GENIQUES COMBINEES POUR IMMUNOTHERAPIE AMELIOREE**
[72] BENSON, MICAH, US
[72] SCHLABACH, MICHAEL, US
[72] KRYUKOV, GREGORY, US
[72] CADZOW, ANNE LOUISE, US
[72] FLEUR LE MERCIER, ISABELLE, US
[72] STEGMEIER, FRANK, US
[71] KSQ THERAPEUTICS, INC., US
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[54] **COMPOSITIONS AND METHODS TO DETECT GASTROINTESTINAL DISEASE**
[54] **COMPOSITIONS ET PROCEDES POUR DETECTER UNE MALADIE GASTRO-INTESTINALE**
[72] KIM, SUNYOUNG, US
[71] THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
[85] 2021-08-03
[86] 2020-02-04 (PCT/US2020/016646)
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[54] **BARBELL GRIPS**
[54] **POIGNEES DE BARRE A DISQUES**
[72] LEADBETTER, MATT, US
[71] NEW GROWTH FITNESS LLC, US
[85] 2021-08-03
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[54] **DIHYDROOROTATE DEHYDROGENASE INHIBITORS**
[54] **INHIBITEURS DE DIHYDROOROTATE DESHYDROGENASE**
[72] CISAR, JUSTIN, US
[72] KUDUK, SCOTT, US
[72] ZHANG, ZHUMING, US
[72] WANG, AIHUA, US
[72] SIMONNET, YVAN, US
[71] JANSSEN BIOTECH, INC., US
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[54] **CT CONTRAST AGENT FOR DETECTION OF CACHEXIA**
[54] **AGENT DE CONTRASTE CT POUR LA DETECTION DE LA CACHEXIE**
[72] BABIC, ANDREJ, FR
[72] STRANSKY-HEILKRON, NATHALIE, FR
[71] UNIVERSITE DE GENEVE, CH
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[54] **MIXTURE OF OCTENE HYDROFORMYLATION BY-PRODUCT AND DIESEL, KEREOSENE OR C8-C20 OLEFINES AS COLLECTORS**
[54] **MELANGE COMPOSE D'UN SOUS-PRODUIT D'HYDROFORMYLATION D'OCTENE ET DE DIESEL, DE KEROSENE OU D'OLEFINES EN C8-C20 COMME COLLECTEURS**
[72] DICKIE, SCOTT, NZ
[72] BAI, QIAN, CN
[72] VILLANUEVA BERINDOAGUE, ADRIAN MAURICIO, DE
[72] MICHAILOVSKI, ALEXEJ, DE
[71] BASF SE, DE
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[25] EN
[54] **STRUCTURE OF MESSAGE FROM USER EQUIPMENT TO BASE STATION IN 2-STEP RANDOM ACCESS**
[54] **STRUCTURE DE MESSAGE TRANSMIS D'UN EQUIPEMENT UTILISATEUR A UNE STATION DE BASE DANS UN ACCES ALEATOIRE EN DEUX ETAPES**
[72] FARAG, EMAD, US
[72] FREDERIKSEN, FRANK, DK
[72] KIILERICH PRATAS, NUNO MANUEL, DK
[71] NOKIA TECHNOLOGIES OY, FI
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[54] **BATTERIE A IONS METALLIQUES COMPRENANT UN SEPARATEUR A MEMBRANE IONOMERE ET UNE ELECTRODE AUTOPORTANTE**
[72] GHOSH, MEENA, IN
[72] VIJAYAKUMAR, VIDYANAND, IN
[72] KURUNGOT, SREEKUMAR, IN
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
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[54] **METHOD FOR PRODUCING PEPTIDE COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE PEPTIDIQUE**
[72] HANDA, MICHIHARU, JP
[72] YASUDA, NAOHIKO, JP
[72] NAGAYA, AKIHIRO, JP
[72] KOUSAKA, HIROYUKI, JP
[71] NISSAN CHEMICAL CORPORATION, JP
[71] PEPTIDREAM INC., JP
[85] 2021-08-03
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[54] **SYSTEM AND METHOD FOR CONTROLLING WORK MACHINE**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE MACHINES DE TRAVAIL**
[72] TAKAOKA, YUKIHISA, JP
[71] KOMATSU LTD., JP
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[25] EN
[54] **POLYETHYLENE HAVING HIGH DEGREE OF CROSSLINKING AND CROSSLINKED POLYETHYLENE PIPE COMPRISING THE SAME**
[54] **POLYETHYLENE AYANT UN NIVEAU ELEVE DE RETICULATION ET TUYAU EN POLYETHYLENE RETICULE COMPRENANT CE DERNIER**
[72] CHO, SOL, KR
[72] LEE, HYUNSUP, KR
[72] KIM, SUN MI, KR
[72] CHOI, YI YOUNG, KR
[72] LEE, MYUNGHAN, KR
[72] KIM, YEONSOO, KR
[71] LG CHEM, LTD., KR
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[25] EN
[54] **CROSSLINKED POLYETHYLENE PIPE HAVING EXCELLENT PHYSICAL PROPERTIES**
[54] **TUYAU EN POLYETHYLENE RETICULE PRESENTANT D'EXCELLENTS PROPRIETES**
[72] LEE, HYUNSUP, KR
[72] CHO, SOL, KR
[72] KIM, YEONSOO, KR
[72] CHOI, YI YOUNG, KR
[72] LEE, MYUNGHAN, KR
[71] LG CHEM, LTD., KR
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[25] FR
[54] **OPTIMIZED METHOD FOR INDUSTRIAL EXPLOITATION OF UNICELLULAR RED ALGAE**
[54] **PROCEDE OPTIMISE D'EXPLOITATION INDUSTRIELLE D'ALGUES ROUGES UNICELLULAIRES**
[72] CAGNAC, OLIVIER, FR
[72] ATHANE, AXEL, FR
[72] DEMOL, JULIEN, FR
[72] BROSSET-VINCENT, SANDRA, FR
[71] FERMENTALG, FR
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[54] **APPARATUS AND METHOD FOR CALCULATING A VOLUME FLOW RATE OF OXYGENATED BLOOD**
[54] **APPAREIL ET PROCEDE POUR CALCULER UN DEBIT VOLUMIQUE DE SANG OXYGENE**
[72] KLOSTRANEC, JESSE M., CA
[72] TARULLI, EMIDIO, CA
[71] FLOW CPR INC., CA
[85] 2021-07-30
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[54] **LIQUID IMMERSION COOLING PLATFORM**
[54] **PLATE-FORME DE REFROIDISSEMENT PAR IMMERSION DANS UN LIQUIDE**
[72] ENRIGHT, JOHN DAVID, US
[72] MERTEL, JACOB, US
[71] TMGCORE, LLC, US
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[30] US (16/576,405) 2019-09-19
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[25] FR
[54] **CRYPTOGRAPHIC DATA VERIFICATION METHOD**
[54] **METHODE CRYPTOGRAPHIQUE DE VERIFICATION DES DONNEES**
[72] SANGLE-FERRIERE, BRUNO, FR
[71] SANGLE-FERRIERE, BRUNO, FR
[85] 2021-08-02
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[54] **URINARY PUMPING DEVICE**
[54] **DISPOSITIF DE POMPAGE URINAIRE**
[72] OBRIST, DOMINIK, CH
[72] CLAVICA, FRANCESCO, CH
[72] BURKHARD, FIONA, CH
[72] SCHNEIDER, MARC, CH
[72] BEREUTER, LUKAS, CH
[71] UNIVERSITAT BERN, CH
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[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 5/0775 (2010.01)**
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[54] **GENETICALLY MODIFIED HEMATOPOIETIC STEM AND PROGENITOR CELLS (HSPCS) AND MESENCHYMAL CELLS AS A PLATFORM TO REDUCE OR PREVENT METASTASIS, TREAT AUTOIMMUNE AND INFLAMMATORY DISORDERS, AND REBALANCE THE IMMUNE MILIEU_AND DYSREGULATED NICHES**
[54] **CELLULES SOUCHES ET PROGENITRICES HEMATOPOIETIQUES GENETIQUEMENT MODIFIEES (HSPCS) ET CELLULES MESENCHYMATEUSES EN TANT QUE PLATE-FORME POUR REDUIRE OU PREVENIR UNE METASTASE, TRA ITER DES TROUBLES AUTO-IMMUNS ET INFLAMMATOIRES, ET REEQUILIBRER LE MILIEU IMMUNITAIRE ET DES NICHES DEREGULEES**
[72] KAPLAN, ROSANDRA N., US
[72] KRATZMEIER, SABINA A., US
[72] BEURY, DANIEL W., US
[72] QIN, HAIYING, US
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[54] **DENTURE BASE AND DENTAL PROSTHESIS**
[54] **BASE DE PROTHESE DENTAIRE ET PROTHESE DENTAIRE**
[72] HASAN, MD ABU, US
[72] STUPPLEBEEN, ROBERT, US
[72] EBERHARDT, MARK, US
[72] KUNZLER, JAY F., US
[71] DENTSPLY SIRONA INC., US
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[25] EN
[54] **METHODS OF EDITING A DISEASE-ASSOCIATED GENE USING ADENOSINE DEAMINASE BASE EDITORS, INCLUDING FOR THE TREATMENT OF GENETIC DISEASE**
[54] **PROCEDES D'EDITION D'UN GENE ASSOCIE A UNE MALADIE A L'AIDE D'EDITEURS DE BASES D'ADENOSINE DESAMINASE, Y COMPRIS POUR LE TRAITEMENT D'UNE MALADIE GENETIQUE**
[72] SLAYMAKER, IAN, US
[72] GAUDELLI, NICOLE, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[72] PACKER, MICHAEL, US
[72] GEHRKE, JASON MICHAEL, US
[72] PETROSSIAN, NATALIE, US
[72] MESSANA, ANGELICA, US
[72] BERKOVITCH, SHAUNNA, US
[71] BEAM THERAPEUTICS INC., US
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[30] US (62/805,271) 2019-02-13
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[25] EN
[54] **HAPTIC RESPIRATION SIMULATOR WITH NOISE REDUCING PUMP SUSPENSION AND METHOD FOR RELAXATION OF A USER MAKING USE OF THE SAME**
[54] **SIMULATEUR DE RESPIRATION HAPTIQUE A SUSPENSION DE POMPE DE REDUCTION DE BRUIT ET PROCEDE DE RELAXATION D'UN UTILISATEUR UTILISANT CE DERNIER**
[72] DE GOEIJ, LUC JOHAN RIES, NL
[72] MODDERMAN, HERMAN PIETER, NL
[72] LENEMAN, MARIJN, NL
[72] HEINEN, CLEMENT, NL
[72] ANTONISSE, STIJN JEROEN, NL
[72] BOLIER, LUCAS JAN, NL
[71] SOMNOX HOLDING B.V., NL
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ALPHA-1 ANTITRYPSIN DEFICIENCY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE DEFICIENCE EN ALPHA-1 ANTITRYPSINE**
[72] GAUDELLI, NICOLE, US
[72] PACKER, MICHAEL, US
[72] ZETSCHE, BERND, US
[72] SLAYMAKER, IAN, US
[72] YU, YI, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[71] BEAM THERAPEUTICS INC., US
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[54] **RADIOACTIVE MICROSHPERES FOR THE TREATMENT OF CNS TUMORS**
[54] **MICROSPHERES RADIOACTIVES POUR LE TRAITEMENT DE TUMEURS DU SYSTEME NERVEUX CENTRAL**
[72] PASCIAK, ALEXANDER, US
[72] WEISS, CLIFFORD, US
[72] DREHER, MATTHEW R., US
[71] BIOCOMPATIBLES UK LIMITED, GB
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2021-08-03
[86] 2020-03-11 (PCT/US2020/022103)
[87] (WO2020/185897)
[30] US (62/816,833) 2019-03-11
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[25] EN
[54] **SPLICE ACCEPTOR SITE DISRUPTION OF A DISEASE-ASSOCIATED GENE USING ADENOSINE DEAMINASE BASE EDITORS, INCLUDING FOR THE TREATMENT OF GENETIC DISEASE**
[54] **RUPTURE DE SITE ACCEPTEUR D'EPISSAGE D'UN GENE ASSOCIE A UNE MALADIE A L'AIDE D'EDITEURS DE BASES D'ADENOSINE DESAMINASE, Y COMPRIS POUR LE TRAITEMENT D'UNE MALADIE GENETIQUE**
[72] GAUDELLI, NICOLE, US
[72] PACKER, MICHAEL, US
[72] SLAYMAKER, IAN, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] GEHRKE, JASON MICHAEL, US
[72] MESSANA, ANGELICA, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[71] BEAM THERAPEUTICS INC., US
[85] 2021-08-03
[86] 2020-02-13 (PCT/US2020/018107)
[87] (WO2020/168075)
[30] US (62/805,271) 2019-02-13
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[30] US (62/852,228) 2019-05-23
[30] US (62/873,144) 2019-07-11
[30] US (62/873,140) 2019-07-11
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[54] **ORAL CARE COMPOSITION**
[54] **COMPOSITION DE SOINS BUCCODENTAIRES**
[72] HASHIMOTO, KANA, US
[72] SAITO, TORU, US
[71] SUNSTAR AMERICAS, INC., US
[85] 2021-08-03
[86] 2020-03-16 (PCT/US2020/022984)
[87] (WO2020/190872)
[30] US (62/820,154) 2019-03-18

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[51] **Int.Cl. E21B 21/06 (2006.01) B01F 5/02 (2006.01) B01F 5/20 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONDITIONING DRILLING FLUID**
[54] **PROCEDE ET DISPOSITIF DE CONDITIONNEMENT DE FLUIDE DE FORAGE**
[72] ANESBUG, GEIR OLAV, NO
[71] JAGTECH AS, NO
[85] 2021-08-03
[86] 2020-02-05 (PCT/NO2020/050029)
[87] (WO2020/162762)
[30] NO (20190161) 2019-02-05

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING GLYCOGEN STORAGE DISEASE TYPE 1A**
[54] **COMPOSITIONS ET PROCEDES POUR TRAITER LA GLYCOGENOSE DE TYPE 1A**
[72] GAUDELLI, NICOLE, US
[72] PACKER, MICHAEL, US
[72] SLAYMAKER, IAN, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] ARATYN, YVONNE, US
[72] GREGOIRE, FRANCINE, US
[72] LUNG, GENESIS, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[71] BEAM THERAPEUTICS INC., US
[85] 2021-08-03
[86] 2020-02-13 (PCT/US2020/018124)
[87] (WO2020/168088)
[30] US (62/805,271) 2019-02-13
[30] US (62/852,228) 2019-05-23
[30] US (62/852,224) 2019-05-23
[30] US (62/876,354) 2019-07-19
[30] US (62/912,992) 2019-10-09
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[25] EN
[54] **EMBOLIC MICROSPHERES AND METHODS**
[54] **MICROSPHERES EMBOLIQUES ET PROCEDES**
[72] DREHER, MATTHEW R., US
[72] WEISS, CLIFFORD, US
[71] BIOCOMPATIBLES UK LIMITED, GB
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2021-08-03
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[25] EN
[54] **MODIFIED NATURAL KILLER (NK) CELLS FOR IMMUNOTHERAPY**
[54] **CELLULES TUEUSES NATURELLES MODIFIEES (NK) POUR L'IMMUNOTHERAPIE**
[72] WELSTEAD, GORDON GRANT, US
[72] BORGES, CHRISTOPHER, US
[72] WONG, KARRIE KA WAI, US
[71] EDITAS MEDICINE, INC., US
[85] 2021-08-03
[86] 2020-02-14 (PCT/US2020/018443)
[87] (WO2020/168300)
[30] US (62/806,457) 2019-02-15
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[25] EN
[54] **ADDITIVE SYSTEMS CONTAINING AN ANTIOXIDANT AND A GLYCEROL STEARATE FOR IMPROVED COLOR IN POLYETHYLENE RESINS**
[54] **SYSTEMES D'ADDITIFS CONTENANT UN ANTIOXYDANT ET UN STEARATE DE GLYCEROL POUR UNE COULEUR AMELIOREE DANS DES RESINES DE POLYETHYLENE**
[72] KAMPLAIN, JUSTIN W., US
[72] LANIER, ELIZABETH M., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2021-08-03
[86] 2020-04-21 (PCT/US2020/029045)
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[25] EN
[54] **IMPROVEMENTS TO A HELICAL FAN/PUMP/PROPELLER/TURBINE**
[54] **PERFECTIONNEMENTS APPORTES A UN VENTILATEUR/POMPE/HELICE/TURBINE HELICOIDAL**
[72] COULTER, GRACE, NZ
[71] COULTER, GRACE, NZ
[85] 2021-08-03
[86] 2020-02-08 (PCT/NZ2020/050008)
[87] (WO2020/162766)
[30] NZ (750546) 2019-02-08
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[25] EN
[54] **METHOD FOR MONITORING PET READOUT POSITIONS USING MRI FIDUCIALS**
[54] **PROCEDE DE SURVEILLANCE DE POSITIONS DE LECTURE PET UTILISANT DES REPERES IRM**
[72] PALMER, VANESSA, CA
[72] SAUNDERS, JOHN, CA
[72] SPARKES, RYAN, CA
[72] SCHELLENBERG, JAMES, CA
[72] SCHELLENBERG, GRAHAM, CA
[71] SINO CANADA HEALTH INSTITUTE INC., CA
[85] 2021-08-04
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[25] EN
[54] **COMPOSITIONS, METHODS, AND SYSTEMS TO DETECT HEMATOPOIETIC STEM CELL TRANSPLANTATION STATUS**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES POUR DETECTER UN ETAT DE TRANSPLANTATION DE CELLULES SOUCHES HEMATOPOIETIQUES**
[72] LEFKOWITZ, ROY BRIAN, US
[72] TYNAN, JOHN ALLEN, US
[72] XU, CHEN, US
[71] SEQUENOM, INC., US
[85] 2021-08-03
[86] 2020-02-18 (PCT/US2020/018641)
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[30] US (62/807,616) 2019-02-19

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[25] EN
[54] **UPPER HEAD ASSEMBLY FOR CORE BARREL**
[54] **ENSEMBLE SUPERIEUR DE TETE POUR BARIL CAROTTIER**
[72] WESTON ZANELLI, GUILLERMO RICARDO, PE
[72] FERNANDEZ GONZALES, JORGE ALONSO, PE
[72] MATIAS CAYTUERO, RENZO RONALD, PE
[72] MAGUINA TRUJILLO, ALEX RAMIRO, PE
[71] BOYLES BROS DIAMANTINA S.A., PE
[85] 2021-08-03
[86] 2019-02-21 (PCT/PE2019/000004)
[87] (WO2020/162767)
[30] PE (000338-2019/DIN) 2019-02-04

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[51] **Int.Cl. B32B 17/12 (2006.01) B32B 27/40 (2006.01)**
[25] EN
[54] **FIRE RETARDANT THERMALLY INSULATING LAMINATE**
[54] **STRATIFIE THERMO-ISOLANT IGNIFUGE**
[72] RAND, CHARLES J., US
[72] STEWART, GREGORY THOMAS, US
[72] KALINOWSKI, MATTHEW J., US
[72] TAI, XIANGYANG, CN
[72] LARRY, WAYNE MOBLEY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2021-08-04
[86] 2019-02-11 (PCT/CN2019/074786)
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[51] **Int.Cl. B66C 13/46 (2006.01) B66C 13/48 (2006.01) B66C 23/52 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETERMINING RELATIVE POSITION AND RELATIVE MOTION OF OBJECTS**
[54] **SYSTEME ET PROCEDES POUR DETERMINER UNE POSITION RELATIVE ET UN MOUVEMENT RELATIF D'OBJETS**
[72] GUYMON, DAVID LEE, US
[72] MCLEAN, MATTHEW, US
[72] WELTY, JEREMY, US
[72] RYAN, MAKENNA, US
[72] MIDDEL, MICHAEL, US
[71] J. RAY MCDERMOTT, S.A., US
[85] 2021-08-03
[86] 2020-02-04 (PCT/US2020/016527)
[87] (WO2020/163288)
[30] US (62/801,305) 2019-02-05
[30] US (62/830,228) 2019-04-05

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[51] **Int.Cl. C06B 21/00 (2006.01) C06B 31/02 (2006.01) C06B 31/28 (2006.01)**
[25] EN
[54] **PHASE-STABILIZED AMMONIUM NITRATE PRILLS AND RELATED PRODUCTS AND METHODS**
[54] **GRANULES DE NITRATE D'AMMONIUM A PHASE STABILISEE, PRODUITS ET PROCEDES ASSOCIES**
[72] GORE, JEFF, AU
[72] GRAHAM, BRIAN, AU
[71] DYNO NOBEL ASIA PACIFIC PTY LIMITED, AU
[85] 2021-08-04
[86] 2020-02-03 (PCT/AU2020/050069)
[87] (WO2020/160596)
[30] AU (2019900348) 2019-02-05
[30] AU (2019904447) 2019-11-25

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[51] **Int.Cl. A23L 27/00 (2016.01) A23L 2/60 (2006.01) C07J 9/00 (2006.01)**
[25] EN
[54] **POSITIVE ALLOSTERIC MODULATORS OF SWEET TASTE**
[54] **MODULATEURS ALLOSTERIQUES POSITIFS DE GOUT SUCRE**
[72] RAY, ANANDASANKAR, US
[72] KOWALEWSKI, JOEL, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2021-08-03
[86] 2020-02-19 (PCT/US2020/018872)
[87] (WO2020/172313)
[30] US (62/807,675) 2019-02-19

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[51] **Int.Cl. H04W 56/00 (2009.01) G01S 5/02 (2010.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SIGNAL DETECTION AT ASYNCHRONOUS DEVICES AND DEVICES WITHOUT A TIME FRAME STRUCTURE**
[54] **SYSTEME ET PROCEDE DE DETECTION DE SIGNAL AU NIVEAU DE DISPOSITIFS ASYNCHRONES ET DE DISPOSITIFS SANS STRUCTURE DE TRAME TEMPORELLE**
[72] ZARIFI, KEYVAN, CA
[72] HUANG, SU, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-08-04
[86] 2019-03-28 (PCT/CN2019/080104)
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[51] **Int.Cl. A23L 21/10 (2016.01) A23L 5/30 (2016.01) A23L 5/42 (2016.01) A23L 21/12 (2016.01) A23L 33/105 (2016.01) B01D 11/02 (2006.01)**
[25] EN
[54] **COLORFUL-JELLY 4D PRINTING METHOD UTILIZING SPONTANEOUS COLOR CHANGE OF BLUEBERRY ANTHOCYANINS**
[54] **PROCEDE D'IMPRESSION 4D MULTICOLORE UTILISANT UN CHANGEMENT DE COULEUR SPONTANE D'ANTHOCYANINES DE MYRTILLE**
[72] ZHANG, MIN, CN
[72] GUO, CHAOFAN, CN
[72] GHAZAL, AHMED FATHY, CN
[71] JIANGNAN UNIVERSITY, CN
[85] 2021-08-04
[86] 2019-12-06 (PCT/CN2019/123526)
[87] (WO2020/233101)
[30] CN (201910420994.5) 2019-05-21

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[51] **Int.Cl. H04N 19/11 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS USING INTRA MODE CODING FOR INTRA PREDICTION**
[54] **CODEUR, DECODEUR, ET PROCEDES CORRESPONDANTS UTILISANT UN CODAGE DE MODE INTRA POUR UNE PREDICTION INTRA**
[72] WANG, BIAO, DE
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] GAO, HAN, DE
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-08-04
[86] 2020-02-21 (PCT/CN2020/076193)
[87] (WO2020/173399)
[30] US (62/810,323) 2019-02-25

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[51] **Int.Cl. E21F 13/08 (2006.01) B65G 15/24 (2006.01) B65G 41/00 (2006.01) E21C 41/16 (2006.01) E21C 41/18 (2006.01) E21F 13/02 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **MINING SYSTEM WITH A FLEXIBLE CONVEYOR SYSTEM**
[54] **SYSTEME D'EXPLOITATION MINIERE DOTE D'UN SYSTEME TRANSPORTEUR SOUPLE**
[72] MACDONALD, BRIAN, AU
[71] UNDERGROUND EXTRACTION TECHNOLOGIES PTY LTD, AU
[85] 2021-08-04
[86] 2020-02-25 (PCT/AU2020/050162)
[87] (WO2020/172703)
[30] AU (2019900589) 2019-02-25

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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/397 (2006.01) A61K 31/4196 (2006.01) A61K 31/45 (2006.01) A61K 31/496 (2006.01) A61K 31/4965 (2006.01) A61K 31/498 (2006.01) A61K 31/4985 (2006.01) A61K 31/501 (2006.01) A61K 31/513 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 413/12 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 498/10 (2006.01)**
[25] EN
[54] **ACRYL-CONTAINING NUCLEAR TRANSPORT MODULATORS AND USES THEREOF**
[54] **REGULATEUR DE TRANSPORT NUCLEAIRE CONTENANT DE L'ACRYLOYLE ET SES UTILISATIONS**
[72] FAN, HOUXING, CN
[72] XIE, YULI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2021-08-04
[86] 2020-02-25 (PCT/CN2020/076525)
[87] (WO2020/173417)
[30] CN (201910144005.4) 2019-02-26

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[51] **Int.Cl. H04N 19/117 (2014.01)**
[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS OF INTRA PREDICTION**
[54] **CODEUR, DECODEUR ET PROCEDES CORRESPONDANTS DE PREDICTION INTRA**
[72] WANG, BIAO, DE
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] GAO, HAN, DE
[72] CHEN, JIANLE, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-08-04
[86] 2020-04-27 (PCT/CN2020/087226)
[87] (WO2020/221203)
[30] US (62/839,670) 2019-04-27

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[51] **Int.Cl. C07J 41/00 (2006.01) A61K 31/56 (2006.01) A61K 31/57 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01) A61P 25/08 (2006.01) C07J 43/00 (2006.01)**
[25] EN
[54] **3ALPHA, 5BETA-NEUROACTIVE STEROIDS FOR THE TREATMENT OF EPILEPSY AND SEIZURE DISEASES**
[54] **STEROIDES 3ALPHA, 5BETA-NEUROACTIFS POUR LE TRAITEMENT DE L'EPILEPSIE ET DE MALADIES EPILEPTIQUES**
[72] KUDOVA, EVA, CZ
[72] CHODOUNSKA, HANA, CZ
[72] MARES, PAVEL, CZ
[72] VALES, KAREL, CZ
[71] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
[71] FYZIOLOGICKY USTAV AV CR, V.V.I., CZ
[85] 2021-08-04
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[87] (WO2020/200335)
[30] CZ (PV 2019-216) 2019-04-05

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[25] EN
[54] **MULTICOLUMN FILTRATION SYSTEM FOR PROCESSING INDUSTRIAL WASTEWATER**
[54] **SYSTEME DE FILTRATION A COLONNES MULTIPLES POUR TRAITER DES EAUX USEES INDUSTRIELLES**
[72] STOREY, JOSH, CA
[72] SMITH, DENVOR, CA
[71] HYDRERA HOLDINGS CORP., CA
[85] 2021-08-04
[86] 2020-02-05 (PCT/CA2020/050141)
[87] (WO2020/160658)
[30] US (62/801,567) 2019-02-05

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[13] A1
[51] **Int.Cl. F24D 15/02 (2006.01) F24H 3/00 (2006.01)**
[25] EN
[54] **GAS FIRED WINDOW HEATER**
[54] **APPAREIL DE CHAUFFAGE AU GAZ, DE FENETRE**
[72] JOHNSON, JESSIE W., US
[72] SLY, GARY M., US
[72] WEIDIE, JACOB S., US
[72] TEAKELL, ALBERT KEITH, US
[71] THE BLOSSMAN COMPANIES, INC., US
[85] 2021-08-03
[86] 2020-02-04 (PCT/US2020/016600)
[87] (WO2020/163348)
[30] US (62/801,369) 2019-02-05

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[25] EN
[54] **REFINER PLATE SEGMENT**
[54] **SEGMENT D'ENSEMBLE DE RAFFINAGE**
[72] SCHMID, MARTIN, DE
[71] VOITH PATENT GMBH, DE
[85] 2021-08-04
[86] 2019-12-17 (PCT/EP2019/085613)
[87] (WO2020/169236)
[30] DE (10 2019 104 105.8) 2019-02-19

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[13] A1
[51] **Int.Cl. G01H 9/00 (2006.01) E21B 47/135 (2012.01) G01D 5/32 (2006.01)**
[25] EN
[54] **METHODS OF WRAPPING OPTICAL FIBER AROUND A FLUID CONDUIT**
[54] **PROCEDES D'ENVELOPPEMENT D'UNE FIBRE OPTIQUE AUTOUR D'UN CONDUIT DE FLUIDE**
[72] DANKERS, ARNE, CA
[72] JALILIAN, SEYED EHSAN, CA
[71] HIFI ENGINEERING INC., CA
[85] 2021-08-04
[86] 2020-02-05 (PCT/CA2020/050146)
[87] (WO2020/160663)
[30] US (62/802,613) 2019-02-07

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[13] A1
[51] **Int.Cl. B63C 9/125 (2006.01) B63C 9/18 (2006.01)**
[25] EN
[54] **WATER SAFETY GARMENT, RELATED APPARATUS AND METHODS**
[54] **VETEMENT DE SECURITE NAUTIQUE, ET DISPOSITIFS ET PROCEDES ASSOCIES**
[72] GARNER, ROBERT, US
[72] METCALFE, PAUL, US
[72] URBAN, SCOTT, US
[71] BOOST IDEAS, LLC, US
[85] 2021-08-03
[86] 2020-02-05 (PCT/US2020/016705)
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[30] US (62/801,988) 2019-02-06

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[51] **Int.Cl. B01D 53/04 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **TWO-STEP RECOVERY PROCESS OF HALOGENATED HYDROCARBONS**
[54] **PROCEDE EN DEUX ETAPES DE RECUPERATION D'HYDROCARBURES HALOGENES**
[72] FRIEDRICH, THOMAS, DE
[72] EWERS, CHRISTIAN, DE
[71] ZEOSYS MEDICAL GMBH, DE
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[86] 2020-02-04 (PCT/EP2020/052713)
[87] (WO2020/161115)
[30] EP (19155562.2) 2019-02-05

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[51] **Int.Cl. G06F 9/50 (2006.01) G06F 1/3287 (2019.01) G06F 9/455 (2018.01)**
[25] EN
[54] **INCREASING PROCESSING CAPACITY OF PARTITIONS FOR AN ABNORMAL EVENT**
[54] **AUGMENTATION DE LA CAPACITE DE TRAITEMENT DE PARTITIONS POUR UN EVENEMENT ANORMAL**
[72] SUTTON, PETER GRIMM, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2021-08-04
[86] 2020-01-28 (PCT/EP2020/052028)
[87] (WO2020/160961)
[30] US (16/268,059) 2019-02-05

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[51] **Int.Cl. G01L 1/04 (2006.01) G01L 1/12 (2006.01) G01L 1/22 (2006.01)**
[25] EN
[54] **MULTIPLEXED INDUCTIVE TACTILE SENSOR ARRAY**
[54] **RESEAU DE CAPTEURS TACTILES INDUCTIFS MULTIPLEXES**
[72] CHEN, THOMAS, US
[71] STARRYCOM SENSING TECHNOLOGIES INC., US
[85] 2021-08-03
[86] 2020-02-06 (PCT/US2020/016909)
[87] (WO2020/163547)
[30] US (62/802,294) 2019-02-07
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[51] **Int.Cl. G16H 10/20 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **TECHNIQUE FOR DETERMINING A STATE OF MULTIPLE SCLEROSIS IN A PATIENT**
[54] **TECHNIQUE DE DETERMINATION D'UN ETAT DE SCLEROSE EN PLAQUES CHEZ UN PATIENT**
[72] PIANI MEIER, DANIELA, CH
[72] TOMIC, DAVORKA LUCIA, CH
[72] TOLLEY, CHLOE, GB
[72] BENNETT, BRYAN MARTIN, GB
[71] NOVARTIS AG, CH
[85] 2021-08-04
[86] 2020-02-04 (PCT/EP2020/052745)
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[13] A1
[51] **Int.Cl. G06F 21/35 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **IDENTITY MANAGEMENT ON A MOBILE DEVICE**
[54] **GESTION D'IDENTITE SUR UN DISPOSITIF MOBILE**
[72] JOGAND-COULOMB, FABRICE, FR
[71] HID GLOBAL CID SAS, FR
[85] 2021-08-04
[86] 2020-02-05 (PCT/EP2020/052900)
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[30] US (62/801,371) 2019-02-05

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[13] A1
[51] **Int.Cl. F41H 5/04 (2006.01) B29C 70/20 (2006.01) B29C 70/42 (2006.01) B32B 27/04 (2006.01) B32B 27/16 (2006.01) B32B 27/26 (2006.01) B32B 27/40 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **BALLISTIC-RESISTANT COMPOSITE WITH BLOCKED ISOCYANATE**
[54] **COMPOSITE A RESISTANCE BALLISTIQUE AVEC ISOCYANATE BLOQUE**
[72] VAN HEERDEN, JASON, CA
[71] BARRDAY CORP., US
[85] 2021-08-03
[86] 2020-02-06 (PCT/US2020/016995)
[87] (WO2020/226713)
[30] US (62/802,037) 2019-02-06

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[51] **Int.Cl. H01F 38/14 (2006.01) H02J 50/10 (2016.01) B60L 53/12 (2019.01) H01F 27/255 (2006.01) H01F 27/38 (2006.01)**
[25] EN
[54] **SECONDARY COIL TOPOLOGY**
[54] **TOPOLOGIE DE BOBINE SECONDAIRE**
[72] EFFENBERGER, RALF, DE
[72] SCHULTE, JURGEN, DE
[72] SNIEDERS, GEROLD, DE
[71] INDUSTRIEANLAGEN-BETRIEBSGESELLSCHAFT MBH, DE
[85] 2021-08-04
[86] 2020-01-30 (PCT/EP2020/052242)
[87] (WO2020/160989)
[30] DE (10 2019 102 654.7) 2019-02-04

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[13] A1
[51] **Int.Cl. A47K 5/05 (2006.01)**
[25] EN
[54] **SOAP, SOAP HOLDER AND SOAP-SOAP HOLDER ASSEMBLY**
[54] **SAVON, SUPPORT POUR SAVON ET ENSEMBLE SAVON - SUPPORT POUR SAVON**
[72] CLAESSENS, VINCENT, CH
[71] CLAESSENS, VINCENT, CH
[85] 2021-08-04
[86] 2020-02-06 (PCT/EP2020/052954)
[87] (WO2020/161222)
[30] EP (19155721.4) 2019-02-06

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[51] **Int.Cl. B05D 3/00 (2006.01) B05D 5/06 (2006.01)**
[25] EN
[54] **MAGNETIC ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **ENSEMBLES MAGNETIQUES ET PROCEDES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES DE PIGMENT MAGNETIQUES OU MAGNETISABLES ORIENTEES NON SPHERIQUES APLATIES**
[72] LOGINOV, EVGENY, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[71] SICPA HOLDING SA, CH
[85] 2021-08-04
[86] 2020-01-30 (PCT/EP2020/052265)
[87] (WO2020/160993)
[30] EP (19156150.5) 2019-02-08

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[13] A1
[51] **Int.Cl. A61K 31/133 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **FORMULATIONS OF CANNABIDIOL DERIVATIVES AND THEIR USE AS MODULATORS OF CANNABINOID RECEPTOR TYPE 2 (CB2)**
[54] **FORMULATIONS DE DERIVES DE CANNABIDIOL ET LEUR UTILISATION EN TANT QUE MODULATEURS DU RECEPTEUR DE TYPE 2 DES CANNABINOIDES (CB2)**
[72] ROLLAND, ALAIN, US
[72] BLANCO, EDUARDO MUNOZ, ES
[71] EMERALD HEALTH PHARMACEUTICALS INC., US
[85] 2021-08-03
[86] 2020-02-06 (PCT/US2020/017035)
[87] (WO2020/163612)
[30] US (62/801,756) 2019-02-06
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[13] A1
[51] **Int.Cl. A61K 31/4196 (2006.01) A61K 31/5415 (2006.01) A61K 47/02 (2006.01) A61K 47/40 (2006.01) A61P 25/06 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING MELOXICAM**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DU MELOXICAM**
[72] TABUTEAU, HERRIOT, US
[71] AXSOME THERAPEUTICS, INC., US
[85] 2021-08-03
[86] 2020-02-06 (PCT/US2020/017046)
[87] (WO2020/163620)
[30] US (62/895,956) 2019-09-04
[30] US (62/955,905) 2019-12-31
[30] US (62/802,198) 2019-02-06
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[30] US (62/835,613) 2019-04-18
[30] US (62/846,311) 2019-05-10
[30] US (62/860,705) 2019-06-12
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[51] **Int.Cl. G06F 16/23 (2019.01)**
[25] EN
[54] **SYNCHRONIZATION OF DATA RECORDS**
[54] **SYNCHRONISATION D'ENREGISTREMENTS DE DONNEES**
[72] CARON, DELPHINE, FR
[72] CUNY, JULIEN ANTOINE EMMANUEL, FR
[72] TRISCORNIA, DAVID, FR
[72] ZEPEDA CABRAL, VICENTE, FR
[72] SPIRITI, FEDERICA, FR
[71] AMADEUS S.A.S., FR
[85] 2021-08-04
[86] 2020-01-31 (PCT/EP2020/052479)
[87] (WO2020/161020)
[30] FR (19 01255) 2019-02-08

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[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/686 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND KITS FOR TREATING INFLAMMATORY DISEASE TARGETING SKAP2**
[54] **PROCEDES, SYSTEMES ET KITS POUR TRAITER UNE MALADIE INFLAMMATOIRE CIBLANT SKAP2**
[72] BILSBOROUGH, JANINE, US
[72] TARGAN, STEPHAN R., US
[72] MCGOVERN, DERMOT P., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2021-08-03
[86] 2020-02-07 (PCT/US2020/017209)
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[30] US (62/803,290) 2019-02-08

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[13] A1
[51] **Int.Cl. H02J 3/38 (2006.01) G06Q 50/06 (2012.01) H02J 7/02 (2016.01)**
[25] EN
[54] **COORDINATED CONTROL OF RENEWABLE ELECTRIC GENERATION RESOURCE AND CHARGE STORAGE DEVICE**
[54] **COMMANDE COORDONNEE DE RESSOURCE DE GENERATION ELECTRIQUE RENOUVELABLE ET DISPOSITIF DE STOCKAGE DE CHARGE**
[72] HANSEN, LUKAS, US
[72] GARNEAU-HALLIDAY, PHILIPPE, US
[72] RAMESH, GAUTHAM, US
[72] AKYOL, BORA, US
[72] CARPENTER, BRANDON, US
[72] MONDAL, RAHUL, US
[71] 8ME NOVA, LLC, US
[85] 2021-08-03
[86] 2020-02-07 (PCT/US2020/017268)
[87] (WO2020/163749)
[30] US (62/802,928) 2019-02-08
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[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE WITH DISPLAY**
[54] **CIGARETTE ELECTRONIQUE ET AFFICHAGE**
[72] UHRMEISTER, PETER, DE
[72] PLATTNER, MICHAEL, DE
[72] KONTAREV, ALEKSANDR, DE
[71] JT INTERNATIONAL SA, CH
[85] 2021-08-04
[86] 2020-01-31 (PCT/EP2020/052506)
[87] (WO2020/161024)
[30] EP (19155810.5) 2019-02-06

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **3-AMINO-2-[2-(ACYLAMINO)PYRIDIN-4-YL]-1,5,6,7-TETRAHYDRO-4H-PYRROLO[3,2-C]PYRIDIN-4-ONE AS CSNK1 INHIBITORS**
[54] **3-AMINO-2-[2-(ACYLAMINO)PYRIDIN-4-YL]-1,5-TETRAHYDRO-4H-PYRROLO[3,2-C]PYRIDIN-4-ONE EN TANT QU'INHIBITEURS DE CSNK1**
[72] SCHULZE, VOLKER, DE
[72] MENGEL, ANNE, DE
[72] JENS, SCHRODER, DE
[72] FARIA ALVARES DE LEMOS, ADELAIDE CLARA, DE
[72] BONE, WILHELM, DE
[72] BOMER, ULF, DE
[72] SULZLE, DETLEV, DE
[72] CHRIST, CLARA, DE
[72] HILLIG, ROMAN, DE
[72] LECHNER, CHRISTIAN, DE
[72] CORSELLO, STEVEN, US
[72] HANDING, KASIA, US
[72] CALIMAN, ALISHA, US
[72] RAUH, ULRIKE, DE
[72] KAULFUSS, STEFAN, DE
[72] MORTIER, JEREMIE, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] THE BROAD INSTITUTE, INC., US
[85] 2021-08-04
[86] 2020-02-06 (PCT/EP2020/053020)
[87] (WO2020/161257)
[30] US (62/802,492) 2019-02-07

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[51] **Int.Cl. C07D 217/26 (2006.01) A61K 31/473 (2006.01) A61P 27/16 (2006.01)**
[25] EN
[54] **QUINOLIN-4-ONE AND 4(1H)-CINNOLINONE COMPOUNDS AND METHODS OF USING SAME**
[54] **COMPOSES DE QUINOLIN-4-ONE ET DE 4(1H)-CINNOLINONE ET PROCEDES D'UTILISATION ASSOCIES**
[72] TAIT, BRADLEY, US
[72] HARRISON, MEGAN, US
[72] MCLEAN, WILL, US
[71] FREQUENCY THERAPEUTICS, INC., US
[85] 2021-08-03
[86] 2020-02-07 (PCT/US2020/017356)
[87] (WO2020/163816)
[30] US (62/803,346) 2019-02-08

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[13] A1
[51] **Int.Cl. C10G 1/00 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C07C 41/01 (2006.01) C07G 1/00 (2011.01) C08L 97/00 (2006.01) C10B 53/02 (2006.01) C10G 1/02 (2006.01) C12P 7/00 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A BIO-OIL**
[54] **PROCEDE DE PRODUCTION D'UNE BIO-HUILE**
[72] KUMAR, SHUSHIL, SE
[72] KUGGE, CHRISTIAN, SE
[71] SCA FOREST PRODUCTS AB, SE
[85] 2021-08-04
[86] 2020-02-07 (PCT/EP2020/053178)
[87] (WO2020/161323)
[30] EP (19156210.7) 2019-02-08

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[13] A1
[51] **Int.Cl. B05D 1/36 (2006.01) B05D 1/18 (2006.01) B05D 7/14 (2006.01) C08K 5/3477 (2006.01) C09D 5/08 (2006.01) C09D 183/04 (2006.01) C23C 22/73 (2006.01) C23C 22/74 (2006.01) C23C 22/83 (2006.01) B05D 3/02 (2006.01) B05D 3/04 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR APPLYING SILANE-BASED COATINGS ON SOLID SURFACES, IN PARTICULAR ON METAL SURFACES**
[54] **PROCEDE AMELIORE D'APPLICATION DE REVETEMENTS A BASE DE SILANE SUR DES SURFACES SOLIDES, EN PARTICULIER SUR DES SURFACES METALLIQUES**
[72] OSTROVSKY, ILYA, DE
[72] BRAEHLER, VERONIKA, DE
[71] CHEMETALL GMBH, DE
[85] 2021-08-04
[86] 2020-02-07 (PCT/EP2020/053084)
[87] (WO2020/165032)
[30] EP (19156878.1) 2019-02-13

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[13] A1
[51] **Int.Cl. C10M 173/00 (2006.01) C10M 173/02 (2006.01) C23C 22/46 (2006.01)**
[25] EN
[54] **SIMPLIFIED PROCESS FOR THE PRETREATMENT OF METALLIC SUBSTRATES FOR COLD FORMING AND A REACTIVE LUBRICANT FOR THIS PURPOSE**
[54] **PROCEDE SIMPLIFIE DE TRAITEMENT PREALABLE DE SUBSTRATS METALLIQUES POUR LA DEFORMATION A FROID ET LUBRIFIANT REACTIF APPROPRIE**
[72] HOLLMANN, FRANK, DE
[72] GUETTLER, BENJAMIN, DE
[72] SHI, YINFENG, DE
[71] CHEMETALL GMBH, DE
[85] 2021-08-04
[86] 2020-02-07 (PCT/EP2020/053089)
[87] (WO2020/165035)
[30] EP (19157198.3) 2019-02-14

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[51] **Int.Cl. C12Q 1/6883 (2018.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING THE RISK OF PROGRESSION AND PHARMACOLOGICAL RESPONSE OF A HUMAN SUBJECT SUFFERING FROM RELAPSING-REMITTING MULTIPLE SCLEROSIS**
[54] **PROCEDES DE PREDICTION DU RISQUE DE PROGRESSION ET DE REPONSE PHARMACOLOGIQUE D'UN SUJET HUMAIN ATTEINT D'UNE SCLEROSE EN PLAQUES RECURRENTE-REMITTENTE**
[72] NAVARRO LOPEZ, VICENTE MANUEL, ES
[71] BIONOU RESEARCH S.L., ES
[85] 2021-08-04
[86] 2020-02-11 (PCT/EP2020/053479)
[87] (WO2020/165175)
[30] EP (19382093.3) 2019-02-11

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[13] A1
[51] **Int.Cl. C10G 1/06 (2006.01) C10G 3/00 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A BIO-OIL USING A ROSIN-CONTAINING OIL**
[54] **PROCEDE DE PRODUCTION D'UNE BIO-HUILE A L'AIDE D'UNE HUILE CONTENANT DE LA ROSIN**
[72] KUGGE, CHRISTIAN, SE
[72] KUMAR, SHUSHIL, SE
[71] SCA FOREST PRODUCTS AB, SE
[85] 2021-08-04
[86] 2020-02-07 (PCT/EP2020/053158)
[87] (WO2020/161313)
[30] EP (19156214.9) 2019-02-08

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[13] A1
[51] **Int.Cl. C12N 9/04 (2006.01) C07J 5/00 (2006.01) C07J 75/00 (2006.01) C12P 33/02 (2006.01)**
[25] EN
[54] **BIOTECHNOLOGICAL OPTIMIZATION OF MICROORGANISMS FOR THE 1,2-DEHYDROGENATION OF STEROIDS**
[54] **OPTIMISATION BIOTECHNOLOGIQUE DE MICRO-ORGANISMES POUR LA 1,2-DESHYDROGENATION DE STEROIDES**
[72] LATTEMANN, CLAUS TOBIAS, DE
[72] JANOCHA, BERND, DE
[72] RASSER, HANS-FALK, DE
[72] RISSOM, SEBASTIAN, DE
[71] SANOFI, FR
[85] 2021-08-04
[86] 2020-02-07 (PCT/EP2020/053167)
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[30] EP (19305153.9) 2019-02-08

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[51] **Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **CAR T-CELLS FOR THE TREATMENT OF CD1A-POSITIVE CANCER**
[54] **LYMPHOCYTES T A CAR POUR LE TRAITEMENT DU CANCER POSITIF A CD1A**
[72] MENENDEZ BUJAN, PABLO, ES
[72] SANCHEZ MARTINEZ, DIEGO, ES
[72] BUENO UROZ, CLARA, ES
[72] GUTIERREZ AGUERA, FRANCISCO, ES
[72] ROCA-HO, HELEIA, ES
[71] FUNDACION INSTITUO DE INVESTIGACION CONTRA LA LEUCEMIA JOSEP CARRERAS (IJC), ES
[71] INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS, ES
[71] FUNDACIO INSTITUT D'INVESTIGACIO EN CIENCIES DE LA SALUT GERMANS TRIAS I PUJOL, ES
[85] 2021-08-04
[86] 2020-02-13 (PCT/EP2020/053769)
[87] (WO2020/165350)
[30] EP (19382104.8) 2019-02-14

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[51] **Int.Cl. C09D 5/14 (2006.01) A01N 25/34 (2006.01) A01N 33/02 (2006.01) A01N 61/00 (2006.01) B01D 39/00 (2006.01) B01J 20/32 (2006.01) B01J 20/34 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **PARTICLES WITH BIOCIDAL COATING**
[54] **PARTICULES POURVUES D'UN REVETEMENT BIOCIDE**
[72] WELTER, MARTIN, DE
[72] MEYER, CHRISTIAN, DE
[72] LUNGFIEL, KRISTIAN, DE
[71] INSTRACTION GMBH, DE
[85] 2021-08-04
[86] 2020-03-13 (PCT/EP2020/056866)
[87] (WO2020/187746)
[30] DE (10 2019 106 646.8) 2019-03-15

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[13] A1
[51] **Int.Cl. A24C 5/18 (2006.01) A24C 5/01 (2020.01) A24D 1/20 (2020.01) A24D 1/00 (2020.01)**
[25] EN
[54] **A VAPOUR GENERATING ARTICLE, A METHOD FOR MANUFACTURING THE SAME, AND A VAPOUR GENERATING SYSTEM**
[54] **ARTICLE DE GENERATION DE VAPEUR, SON PROCEDE DE FABRICATION ET SYSTEME DE GENERATION DE VAPEUR**
[72] KONTAREV, ALEKSANDR, DE
[71] JT INTERNATIONAL SA, CH
[85] 2021-08-04
[86] 2020-02-18 (PCT/EP2020/054177)
[87] (WO2020/169566)
[30] EP (19158423.4) 2019-02-21
[30] EP (19178727.4) 2019-06-06

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[51] **Int.Cl. G01N 21/25 (2006.01) G01J 3/46 (2006.01) G01J 3/50 (2006.01) G01N 21/47 (2006.01) G01N 21/55 (2014.01)**
[25] EN
[54] **METHOD AND DEVICE FOR IDENTIFYING INTERFERENCE PIGMENTS IN A COATING**
[54] **PROCEDE ET DISPOSITIF D'IDENTIFICATION DE PIGMENTS D'INTERFERENCE DANS UN REVETEMENT**
[72] MUNDUS, MARKUS, DE
[72] BISCHOFF, GUIDO, DE
[72] KANTIMM, THOMAS, DE
[72] SCHMITZ, MARTIN, DE
[71] BASF COATINGS GMBH, DE
[85] 2021-08-04
[86] 2020-02-19 (PCT/EP2020/054381)
[87] (WO2020/169678)
[30] EP (19158943.1) 2019-02-22

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[13] A1
[51] **Int.Cl. A61K 31/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION OF WNT SIGNALING AND MACC1 INHIBITORS**
[54] **COMBINAISON PHARMACEUTIQUE D'INHIBITEURS DE LA VOIE DE SIGNALISATION WNT ET DE MACC1**
[72] STEIN, ULRIKE, DE
[72] KOBELT, DENNIS, DE
[72] KORTUM, BENEDIKT, DE
[72] RADHAKRISHNAN, HARIKRISHNAN, US
[72] WALTHER, WOLFGANG, DE
[71] MAX-DELBRUCK-CENTRUM FUR MOLEKULARE MEDIZIN IN DER HELMHOLTZ-GEMEINSCHAFT, DE
[71] CHARITE-UNIVERSITATSMEDIZIN BERLIN, DE
[85] 2021-08-04
[86] 2020-02-21 (PCT/EP2020/054641)
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[54] **MIXED OXIDE WITH HIGH PORE VOLUME**
[54] **OXYDE MIXTE PRESENTANT UN VOLUME POREUX ELEVE**
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[72] SASAKI, TOSHIHIRO, JP
[71] RHODIA OPERATIONS, FR
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[54] **CCR8 EXPRESSING LYMPHOCYTES FOR TARGETED TUMOR THERAPY**
[54] **LYMPHOCYTES EXPRIMANT CCR8 POUR UNE THERAPIE TUMORALE CIBLEE**
[72] KOBOLD, SEBASTIAN, DE
[72] ENDRES, STEFAN, DE
[72] CADILHA, BRUNO, DE
[71] KLINIKUM DER UNIVERSITAT MUNCHEN, DE
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[25] EN
[54] **INTEGRATED ROTOR DEVICES FOR AUTONOMOUS ANALYTICAL CENTRIFUGATION, INTEGRATED CELL DEVICES FOR AUTONOMOUS ANALYTICAL CENTRIFUGATION, AND METHODS OF ASSEMBLY AND OPERATION OF SAME**
[54] **DISPOSITIFS DE ROTOR INTEGRES POUR CENTRIFUGATION ANALYTIQUE AUTONOME, DISPOSITIFS DE CELLULE INTEGRES POUR CENTRIFUGATION ANALYTIQUE AUTONOME, ET LEURS PROCEDES D'ASSEMBLAGE ET D E FONCTIONNEMENT**
[72] SUCATO, CHRISTOPHER A., US
[72] DIPAOLA, MARIO, US
[71] HIGHER ORDER TECHNOLOGIES, LLC., US
[85] 2021-08-04
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[51] **Int.Cl. C07D 213/643 (2006.01) A61K 31/44 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
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[54] **1-((2-(2,2,2-TRIFLUOROETHOXY)PYRIDIN-4-YL)METHYL)UREA DERIVATIVES AS KCNQ POTENTIATORS**
[54] **DERIVES DE 1-((2-(2,2,2-TRIFLUOROETHOXY)PYRIDIN-4-YL) METHYL)UREE EN TANT QUE POTENTIALISATEURS DE KCNQ**
[72] SZEKERES, HELEN JANE, US
[72] WILLIAMS, ANDREW CAERWYN, US
[72] WHATTON, MARIA ANN, US
[71] ELI LILLY AND COMPANY, US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016499)
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[54] **FIRE RESISTANT POLYURETHANE COATING COMPOSITION AND A FIRE-RESISTANT PRODUCT COMPRISING THE SAME**
[54] **COMPOSITION DE REVETEMENT DE POLYURETHANE IGNIFUGE ET PRODUIT IGNIFUGE LA COMPRENANT**
[72] TAI, XIANGYANG, CN
[72] LAN, RONGBIN, CN
[72] LIU, JUELIN, CN
[72] PATANKAR, KSHITISH, US
[72] RAND, CHARLES J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
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[54] **LIQUID SENSOR ASSEMBLY, APPARATUS, AND METHODS**
[54] **ENSEMBLE, APPAREIL ET PROCEDES DE CAPTEURS DE LIQUIDES**
[72] SAMPRONI, JENNIFER, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-08-04
[86] 2020-02-03 (PCT/US2020/016355)
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[51] **Int.Cl. G16H 10/60 (2018.01) G16H 10/00 (2018.01) G16H 10/40 (2018.01)**
[25] EN
[54] **PATIENT ID AND SAMPLE ID WORKFLOW METHODS AND APPARATUS FOR FACILITATING DIAGNOSTIC TESTING**
[54] **PROCEDES ET APPAREIL DE FLUX DE TRAVAIL POUR L'IDENTIFICATION DE PATIENTS ET D'ECHANTILLONS AFIN DE FACILITER LES TESTS DE DIAGNOSTIC**
[72] RAMACHANDRAN, PRABHU, US
[72] LIM, KAREN, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-08-04
[86] 2020-02-03 (PCT/US2020/016352)
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[25] EN
[54] **METHODS, SYSTEMS, AND MEDIA FOR AUTHENTICATING USERS USING BLOCKCHAINS**
[54] **PROCEDES, SYSTEMES ET SUPPORTS D'AUTHENTIFICATION D'UTILISATEURS A L'AIDE DE CHAINES DE BLOCS**
[72] PHAM, THIEN VAN, US
[71] SYNERGEX GROUP, US
[71] TAYLOR, WAYNE, US
[71] PHAM HOLDINGS INC., US
[85] 2021-08-04
[86] 2020-02-03 (PCT/US2020/016377)
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[51] **Int.Cl. C07H 21/02 (2006.01) A61K 31/7084 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **3'3'-CYCLIC DINUCLEOTIDES AND PRODRUGS THEREOF**
[54] **DINUCLEOTIDES 3'3'-CYCLIQUES ET LEURS PROMEDICAMENTS**
[72] BIRKUS, GABRIEL, CZ
[72] PAV, ONDREJ, CZ
[72] BREHOVA, PETRA, CZ
[72] SIMAK, ONDREJ, CZ
[71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY ASCR, V.V.I., CZ
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[51] **Int.Cl. C08J 11/10 (2006.01) C08J 11/22 (2006.01) C08L 19/00 (2006.01)**
[25] FR
[54] **SYNTHESIS OF FUNCTIONALISED POLYMERS THROUGH DEVULCANISATION FROM WASTE CONTAINING ELASTOMERS**
[54] **SYNTHESE DE POLYMERES FONCTIONNALISES PAR DEVULCANISATION A PARTIR DE DECHETS CONTENANT DES ELASTOMERES**
[72] DEZ, ISABELLE, FR
[72] GAUMONT, ANNIE-CLAUDE, FR
[72] NOEL, JEAN-NICOLAS, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE CAEN NORMANDIE, FR
[71] ECOLE NATIONALE SUPERIEURE D'INGENIEURS DE CAEN, FR
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[25] EN
[54] **RIVET SHUNT AND METHOD OF DEPLOYMENT**
[54] **SHUNT A RIVET ET PROCEDE DE DEPLOIEMENT**
[72] TAFT, ROBERT C., US
[72] RABITO, GLEN, US
[72] SCHWARTZ, ROBERT S., US
[71] NXT BIOMEDICAL, LLC, US
[85] 2021-08-03
[86] 2020-02-07 (PCT/US2020/017361)
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[25] EN
[54] **SEMI-PERMANENT TATTOOS**
[54] **TATOUAGES SEMI-PERMANENTS**
[72] HANDLEY, TYLER J., CA
[72] YU, BETTY, US
[72] DENG, SUNNY, CA
[72] CHUA, JOBEY, CA
[72] KHALILI, NAZANIN, CA
[72] ADAM, MOTAZ, CA
[72] ZHANG, HANNAH JIAMEI, CA
[72] CAPUTO, CHRISTOPHER B., CA
[71] INKBOX INK INC., CA
[85] 2021-08-03
[86] 2020-02-07 (PCT/US2020/017371)
[87] (WO2020/163830)
[30] US (62/802,688) 2019-02-07
[30] US (62/863,560) 2019-06-19

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[25] EN
[54] **2'3'-CYCLIC DINUCLEOTIDES AND PRODRUGS THEREOF**
[54] **DINUCLEOTIDES CYCLIQUES EN 2'3' ET LEURS PROMEDICAMENTS**
[72] BIRKUS, GABRIEL, CZ
[72] PAV, ONDREJ, CZ
[72] KOSTOV, ONDREJ, CZ
[72] BREHOVA, PETRA, CZ
[72] KAISER, MARTIN MAXMILIAN, CZ
[72] SIMAK, ONDREJ, CZ
[71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY ASCR, V.V.I., CZ
[85] 2021-08-03
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[30] US (62/815,170) 2019-03-07
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[51] **Int.Cl. A61L 9/12 (2006.01) A01M 1/20 (2006.01) A61L 9/012 (2006.01)**
[25] EN
[54] **VOLATILE SUBSTANCE DISTRIBUTION SYSTEM WITH BASE UNIT AND REMOVABLE CAPSULE AND AIRFLOW COUPLING THEREBETWEEN**
[54] **SYSTEME DE DISTRIBUTION DE SUBSTANCE VOLATILE AVEC UNITE DE BASE ET CAPSULE AMOVIBLE ET COUPLAGE DE FLUX D'AIR ENTRE CELLES-CI**
[72] KAYE, GLENN W., US
[72] NIXON, ANNE ELIZABETH LINDERT, US
[72] KIRSHON, ARTEM O., US
[72] HAUPT, MARTIN, AT
[72] ROLLAND, JONATHAN, US
[72] MAURI PINOL, PAU, ES
[72] PRAGER, ROMAN, AT
[72] CASTELLVI ANGUERA, ISMAEL, ES
[72] ESCUDERO VERICAT, JOAN MARC, ES
[72] WILLIAMS, AMANDA, US
[72] DUPONT, ALEX, US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2021-08-03
[86] 2020-02-09 (PCT/US2020/017392)
[87] (WO2020/163840)
[30] US (62/802,980) 2019-02-08
[30] US (62/802,997) 2019-02-08
[30] US (62/803,010) 2019-02-08
[30] US (62/803,020) 2019-02-08
[30] US (62/803,034) 2019-02-08

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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 45/06 (2006.01) A61P 13/10 (2006.01)**
[25] EN
[54] **USE OF VIBEGRON TO TREAT OVERACTIVE BLADDER**
[54] **UTILISATION DE VIBEGRON POUR TRAITER UNE VESSIE HYPERACTIVE**
[72] MUDD, JR., PAUL N., US
[71] UROVANT SCIENCES GMBH, CH
[85] 2021-08-04
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[87] (WO2020/188505)
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[30] US (62/842,435) 2019-05-02
[30] US (62/885,767) 2019-08-12
[30] US (62/897,019) 2019-09-06
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[51] **Int.Cl. A61C 7/22 (2006.01) A61C 7/14 (2006.01) A61C 7/28 (2006.01)**
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[54] **ORTHODONTIC BRACKETS**
[54] **CONSOLES ORTHODONTIQUES**
[72] MOGHANCHI, SAMIR MIRESMAIEL, GB
[72] GAUDIN, PAUL DE GRUCHY, GB
[72] DICKERSON, TERRY LIONEL, GB
[71] FAB DT LIMITED, GB
[85] 2021-08-04
[86] 2020-02-06 (PCT/GB2020/050269)
[87] (WO2020/161494)
[30] GB (1901633.6) 2019-02-06

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[51] **Int.Cl. F16B 7/18 (2006.01) F16B 37/04 (2006.01)**
[25] EN
[54] **CHANNEL FASTENER WITH TORQUE INDUCING ELEMENT**
[54] **DISPOSITIF DE FIXATION DE CANAL AVEC ELEMENT D'INDUCTION DE COUPLE**
[72] JUZAK, MAREK, NL
[72] NIJDAM, FRANK, NL
[71] J. VAN WALRAVEN HOLDING B.V., NL
[85] 2021-08-04
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[87] (WO2020/171709)
[30] NL (2022607) 2019-02-21

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[51] **Int.Cl. H04B 1/00 (2006.01) H03M 1/12 (2006.01) H04B 1/16 (2006.01)**
[25] EN
[54] **RECEIVER DEVICE AND RECEPTION METHOD**
[54] **DISPOSITIF RECEPTEUR ET PROCEDE DE RECEPTION**
[72] ONOHARA, KIYOSHI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2021-08-04
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[51] **Int.Cl. A61L 9/12 (2006.01) A01M 1/20 (2006.01) A61L 9/012 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISTRIBUTING VOLATILE SUBSTANCE WITH BASE UNIT AND SELF-SEALING REMOVABLE CAPSULE**
[54] **SYSTEME DE DISTRIBUTION DE SUBSTANCE VOLATILE COMPRENANT UNE UNITE DE BASE ET UNE CAPSULE AMOVIBLE AUTO-ETANCHE**
[72] KAYE, GLENN W., US
[72] NIXON, ANNE ELIZABETH LINDERT, US
[72] KIRSHON, ARTEM O., US
[72] HAUPT, MARTIN, AT
[72] ROLLAND, JONATHAN, US
[72] MAURI PINOL, PAU, ES
[72] PRAGER, ROMAN, AT
[72] CASTELLVI ANGUERA, ISMAEL, ES
[72] ESCUDERO VERICAT, JOAN MARC, ES
[72] WILLIAMS, AMANDA, US
[72] DUPONT, ALEX, US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2021-08-03
[86] 2020-02-10 (PCT/US2020/017393)
[87] (WO2020/163841)
[30] US (62/802,980) 2019-02-08
[30] US (62/802,997) 2019-02-08
[30] US (62/803,010) 2019-02-08
[30] US (62/803,020) 2019-02-08
[30] US (62/803,034) 2019-02-08

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[51] **Int.Cl. G08G 1/00 (2006.01) G06Q 50/08 (2012.01) G08G 1/09 (2006.01)**
[25] EN
[54] **WORK SITE MANAGEMENT SYSTEM AND WORK SITE MANAGEMENT METHOD**
[54] **SYSTEME DE GESTION DE CHANTIER ET PROCEDE DE GESTION DE CHANTIER**
[72] HIRANAKA, TAKASHI, JP
[72] OSAGAWA, KENTA, JP
[71] KOMATSU LTD., JP
[85] 2021-08-04
[86] 2020-03-16 (PCT/JP2020/011574)
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[30] JP (2019-051977) 2019-03-19

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[51] **Int.Cl. A61L 9/12 (2006.01) A01M 1/20 (2006.01) A61L 9/012 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISTRIBUTING VOLATILE SUBSTANCE WITH BASE UNIT AND SELF-SEALING REMOVABLE CAPSULE**
[54] **SYSTEME DE DISTRIBUTION DE SUBSTANCE VOLATILE COMPORTANT UNE UNITE DE BASE ET CAPSULE AMOVIBLE AUTO-OBTURANTE**
[72] KAYE, GLENN W., US
[72] NIXON, ANNE ELIZABETH LINDERT, US
[72] NELSEN, DANIEL, US
[72] KIRSHON, ARTEM O., US
[72] HAFER, KEVIN M., US
[72] VAZQUEZ ALVAREZ, TERANNIE, US
[72] ANDERSON, JAMIE SCOTT, US
[72] HAUPT, MARTIN, AT
[72] ROLLAND, JONATHAN, US
[72] MAURI PINOL, PAU, ES
[72] PRAGER, ROMAN, AT
[72] CASTELLVI ANGUERA, ISMAEL, ES
[72] ESCUDERO VERICAT, JOAN MARC, ES
[72] WILLIAMS, AMANDA, US
[72] DUPONT, ALEX, US
[71] HENKEL IP & HOLDING GMBH, DE
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[86] 2020-02-10 (PCT/US2020/017394)
[87] (WO2020/163842)
[30] US (62/802,980) 2019-02-08
[30] US (62/802,997) 2019-02-08
[30] US (62/803,010) 2019-02-08
[30] US (62/803,020) 2019-02-08
[30] US (62/803,034) 2019-02-08

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[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION COMPRISING TNO155 AND A PD-1 INHIBITOR**
[54] **COMBINAISON PHARMACEUTIQUE COMPRENANT DU TNO155 ET UN INHIBITEUR DE PD-1**
[72] CHEN, YING-NAN PAN, US
[72] HAO, HUAIXIANG, US
[72] LIU, CHEN, US
[72] MOHSENI, MORVARID, US
[72] GOLDONI, SILVIA, US
[72] HASTINGS, WILLIAM D., US
[71] NOVARTIS AG, CH
[85] 2021-08-04
[86] 2020-02-10 (PCT/IB2020/051030)
[87] (WO2020/165733)
[30] US (62/804,707) 2019-02-12

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD FOR CHARACTERISING A TISSUE-ENGINEERED CONSTRUCT**
[54] **PROCEDE DE CARACTERISATION D'UNE CONSTRUCTION MODIFIEE PAR GENIE TISSULAIRE**
[72] PERFLER, ENRICO, CH
[72] BIFFI, ANDREA, CH
[72] FARINA, STEFANO, CH
[71] 1LAB SA, CH
[85] 2021-08-04
[86] 2020-02-14 (PCT/IB2020/051266)
[87] (WO2020/165859)
[30] IT (102019000002193) 2019-02-14

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **SALIVARY BIOMARKERS OF BRAIN INJURY**
[54] **BIOMARQUEURS SALIVAIRES DE LESION CEREBRALE**
[72] BELLI, ANTONIO, GB
[72] DI PIETRO, VALENTINA, GB
[71] MARKER DIAGNOSTICS UK LIMITED, GB
[85] 2021-08-04
[86] 2020-02-14 (PCT/IB2020/051273)
[87] (WO2020/165863)
[30] US (62/805,761) 2019-02-14
[30] US (62/884,104) 2019-08-07

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 35/17 (2015.01) A61K 35/765 (2015.01) A61P 35/00 (2006.01) C07K 14/14 (2006.01) C12N 7/01 (2006.01) C12Q 1/70 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **T CELL REPERTOIRE DYNAMICS AND ONCOLYTIC VIRAL THERAPY**
[54] **DYNAMIQUE DE REPERTOIRE DE LYMPHOCYTES T ET THERAPIE VIRALE ONCOLYTIQUE**
[72] WILKINSON, GREY, CA
[71] ONCOLYTICS BIOTECH INC., CA
[85] 2021-08-04
[86] 2020-02-21 (PCT/IB2020/051493)
[87] (WO2020/170215)
[30] US (62/809,190) 2019-02-22

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[13] A1
[51] **Int.Cl. H01Q 1/22 (2006.01) G01S 13/87 (2006.01) G01S 13/93 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ELECTROMAGNETIC TRANSMISSION ATTENUATION CONTROL**
[54] **PROCEDE ET APPAREIL POUR UNE COMMANDE D'ATTENUATION DE TRANSMISSION ELECTROMAGNETIQUE**
[72] MEGERDICHIAN, EDMOND KIA, US
[71] METAWAVE CORPORATION, US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016650)
[87] (WO2020/163385)
[30] US (62/801,801) 2019-02-06

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[51] **Int.Cl. H04W 4/02 (2018.01) G08B 19/00 (2006.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **PROXIMITY ALERT SYSTEM**
[54] **SYSTEME D'ALERTE DE PROXIMITE**
[72] CHOI, YURI, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016656)
[87] (WO2020/163389)
[30] US (16/271,649) 2019-02-08

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[13] A1
[51] **Int.Cl. B60L 53/63 (2019.01) H02J 3/26 (2006.01)**
[25] EN
[54] **CHARGING STATION AND ARRANGEMENT OF ELECTRIC COMPONENTS FOR CONTROLLING THE DELIVERY OF ELECTRICITY FROM AN ELECTRICAL GRID TO AN ELECTRIC VEHICLE**
[54] **STATION DE CHARGE ET AGENCEMENT DE COMPOSANTS ELECTRIQUES POUR COMMANDER LA DISTRIBUTION D'ELECTRICITE EN PROVENANCE D'UN RESEAU ELECTRIQUE ET EN DIRECTION D'UN VEHICULE ELECTRIQUE**
[72] NASJE, KJETIL, NO
[72] HELMIKSTOL, JONAS, NO
[72] MOLGAARD, STEFFEN, NO
[72] STENGEL, OLA, NO
[71] EASEE AS, NO
[85] 2021-08-04
[86] 2020-02-05 (PCT/NO2020/050028)
[87] (WO2020/167132)
[30] NO (20190184) 2019-02-11

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[54] **TROLLEY FOR INSPECTING RAILWAY CONSTRUCTION PARAMETERS**
[54] **CHARIOT POUR L'INSPECTION DE PARAMETRES DE CONSTRUCTION DE VOIES FERREES**
[72] GONZALEZ ALVAREZ, CESAREO, ES
[72] PUENTE MARTINEZ, RUBEN, ES
[72] BENEITEZ VAZQUEZ, OMAR, ES
[71] TELEFONOS, LINEAS Y CENTRALES, S.A., ES
[85] 2021-08-04
[86] 2019-02-07 (PCT/ES2019/070066)
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[51] **Int.Cl. B60L 53/30 (2019.01) H01R 13/10 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **TERMINAL ASSEMBLY FOR AN ELECTRIC VEHICLE CHARGER, CHARGER AND METHOD OF MANUFACTURING OF BOTH**
[54] **ENSEMBLE BORNE POUR CHARGEUR DE VEHICULE ELECTRIQUE, CHARGEUR ET PROCEDE DE FABRICATION DES DEUX**
[72] NASJE, KJETIL, NO
[72] MOLGAARD, STEFFEN, NO
[72] HELMIKSTOL, JONAS, NO
[72] STENGEL, OLA, NO
[71] EASEE AS, NO
[85] 2021-08-04
[86] 2020-02-17 (PCT/NO2020/050039)
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[25] EN
[54] **DETECTING CANCER, CANCER TISSUE OF ORIGIN, AND/OR A CANCER CELL TYPE**
[54] **DETECTION D'UN CANCER, D'UN TISSU CANCEREUX D'ORIGINE ET/OU D'UN TYPE DE CELLULE CANCEREUSE**
[72] VENN, OLIVER CLAUDE, US
[72] FIELDS, ALEXANDER P., US
[72] GROSS, SAMUEL S., US
[72] LIU, QINWEN, US
[72] SCHELLENBERGER, JAN, US
[72] BREDNO, JOERG, US
[72] BEAUSANG, JOHN F., US
[72] SHOJAEE, SEYEDMEHDI, US
[72] SAKARYA, ONUR, US
[72] MAHER, M. CYRUS, US
[72] JAMSHIDI, ARASH, US
[71] GRAIL, INC., US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016684)
[87] (WO2020/163410)
[30] US (62/801,556) 2019-02-05
[30] US (62/801,561) 2019-02-05
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[30] US (62/965,342) 2020-01-24
[30] US (PCT/US2020/015082) 2020-01-24
[30] US (PCT/US2020/016673) 2020-02-04

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[51] **Int.Cl. G01R 21/133 (2006.01) G01R 31/08 (2020.01)**
[25] EN
[54] **A NODE, SYSTEM AND METHOD FOR DETECTING LOCAL ANOMALIES IN AN OVERHEAD POWER GRID**
[54] **N□UD, SYSTEME ET PROCEDE DE DETECTION DE DEFAUTS DANS UN RESEAU ELECTRIQUE AERIEN**
[72] BURSTROM, STEFAN, SE
[72] KARLSSON, MAGNUS, SE
[71] EXERI AB, SE
[85] 2021-08-04
[86] 2020-02-07 (PCT/SE2020/050123)
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[30] SE (1950151-9) 2019-02-08

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[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING AND CONTROLLING HIGH RISK SUBSTANCES**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE ET DE COMMANDE DE SUBSTANCES A RISQUE ELEVE**
[72] KIMMEL, JOSHUA M., US
[72] GREENWOOD, KENNETH M., US
[71] REVOLUTION MD, INC., US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016776)
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[30] US (62/918,617) 2019-02-06
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[25] EN
[54] **INTEGRATED SECURITY MONITORING VIA WATCHDOG TRIGGER LOCKING AND MDM-BASED PERSISTENCE**
[54] **SURVEILLANCE DE SECURITE INTEGREE PAR VERROUILLAGE DE DECLENCHEMENT DE SURVEILLANCE ET PERSISTANCE BASEE SUR MDM**
[72] PEACOCK, BRIAN, US
[72] LIFF, DALE R., US
[72] STROM, STEPHEN M., US
[72] LIFF, GEORGE, US
[71] SENNCO SOLUTIONS, INC., US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016807)
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[30] US (62/801,624) 2019-02-05
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[25] EN
[54] **METHOD AND PROCESS ARRANGEMENT FOR REMOVING SI BASED COMPOUNDS FROM A LEACHING LIQUOR AND USE**
[54] **PROCEDE ET ARRANGEMENT POUR L'ELIMINATION DES COMPOSES A BASE DE SILICIUM D'UNE LIQUEUR DE LIXIVIATION ET UTILISATION**
[72] JANSSON, KAJ, FI
[71] METSO OUTOTEC FINLAND OY, FI
[85] 2021-08-04
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[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING DOWNHOLE CONDITIONS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE CONDITIONS EN PROFONDEUR DE FORAGE**
[72] AL-MULHEM, ABDULRAHMAN ABDULAZIZ, SA
[71] SAUDI ARABIAN OIL COMAPNY, SA
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016817)
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[25] EN
[54] **METHOD FOR DISSOLVING STARCH**
[54] **PROCEDE DE DISSOLUTION D'AMIDON**
[72] KARPPI, ASKO, FI
[72] HEISKA, PERTTU, FI
[72] SUVANTO, MIKA, FI
[72] HIETANIEMI, MATTI, FI
[71] KEMIRA OYJ, FI
[85] 2021-08-04
[86] 2020-02-06 (PCT/FI2020/050071)
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[25] EN
[54] **MATERIALS AND METHODS FOR TREATING A NEURODEGENERATIVE DISEASE**
[54] **MATERIAUX ET PROCEDES DE TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE**
[72] FEDEROFF, HOWARD J., US
[72] SUBRAMANIAM, SUDHAKAR RAJA, US
[72] FIANDACA, MASSIMO S., US
[72] MAPSTONE, MARK E., US
[72] SU, XIAOMIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] GEORGETOWN UNIVERSITY, US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016820)
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[25] EN
[54] **STARCH COMPOSITION**
[54] **COMPOSITION D'AMIDON**
[72] KARPPI, ASKO, FI
[71] KEMIRA OYJ, FI
[85] 2021-08-04
[86] 2020-02-06 (PCT/FI2020/050072)
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[25] EN
[54] **METHOD AND APPARATUS FOR SIGNAL REGENERATION**
[54] **PROCEDE ET APPAREIL DE REGENERATION DE SIGNAUX**
[72] MASON, PAUL, GB
[72] BOYES, STEPHEN JOHN, GB
[72] JAYANETTI, JEHAN, GB
[71] THE SECRETARY OF STATE FOR DEFENCE, GB
[85] 2021-08-04
[86] 2020-01-31 (PCT/GB2020/000005)
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[25] EN
[54] **DISCONNECTABLE TWO SPEED VEHICLE REAR DRIVE UNIT WITH TWINCLUTCH**
[54] **UNITE D'ENTRAINEMENT ARRIERE DE VEHICULE A DEUX VITESSES POUVANT ETRE DECONNECTEE A DOUBLE EMBRAYAGE**
[72] EKONEN, TODD, US
[72] BURR, MICHAEL, US
[72] HOLLAND, MITCH, US
[72] MILLIMAN, KYLE, US
[72] MONKABA, GARY, US
[72] SWINGER, EVAN, US
[72] ALLISON, JAYSON, US
[72] HAYES, SEAN, US
[72] JOLIFF, SIMON, US
[72] SCHAFFER, JOE, US
[71] LINAMAR CORPORATION, CA
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016851)
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[25] EN
[54] **EXPANDING STRUCTURED DOSAGE FORM**
[54] **FORME PHARMACEUTIQUE STRUCTUREE EXPANSIBLE**
[72] BLAESI, ARON H., US
[72] SAKA, NANNAJI, US
[71] BLAESI, ARON H., US
[85] 2021-08-04
[86] 2019-02-21 (PCT/US2019/019004)
[87] (WO2019/165106)
[30] US (62/633,602) 2018-02-21
[30] US (62/733,624) 2018-09-19

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[51] **Int.Cl. A61N 5/10 (2006.01) A61B 5/1455 (2006.01) A61N 5/00 (2006.01) A61N 5/01 (2006.01) A61N 5/06 (2006.01) G01T 1/22 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR MAPPING HIGH ENERGY RADIATION DOSE DURING RADIATION TREATMENT**
[54] **APPAREIL ET PROCEDES DE CARTOGRAPHIE D'UNE DOSE DE RAYONNEMENT A HAUTE ENERGIE PENDANT UN TRAITEMENT PAR RAYONNEMENT**
[72] POGUE, BRIAN, US
[72] BRUZA, PETR, US
[72] GLADSTONE, DAVID, US
[72] JARVIS, LESLEY A., US
[72] TENDLER, IRWIN, US
[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2021-08-04
[86] 2019-02-22 (PCT/US2019/019135)
[87] (WO2019/165196)
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[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/30 (2016.01) A61B 90/50 (2016.01) B25J 9/16 (2006.01)**
[25] EN
[54] **INPUT SHAPER FOR ROBOTIC SURGICAL SYSTEM**
[54] **DISPOSITIF DE MISE EN FORME D'ENTREE POUR SYSTEME ROBOTIQUE CHIRURGICAL**
[72] PEINE, WILLIAM, US
[72] JOERG, STEFAN, DE
[72] LOSCHAK, PAUL, US
[71] COVIDIEN LP, US
[85] 2021-08-04
[86] 2019-06-05 (PCT/US2019/035516)
[87] (WO2020/171836)
[30] US (62/809,209) 2019-02-22

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 9/127 (2006.01) A61K 9/14 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS OF A BIOLOGICALLY ACTIVE PEPTIDE AND USES THEREOF**
[54] **FORMULATIONS POUR LA VOIE ORALE D'UN PEPTIDE BIOLOGIQUEMENT ACTIF, ET UTILISATIONS DE CES DERNIERES**
[72] RAJADAS, JAYAKUMAR, US
[71] AVIVE, INC., US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016867)
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[30] US (62/801,250) 2019-02-05

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[51] **Int.Cl. A61K 36/9068 (2006.01) A23L 33/105 (2016.01) A23L 33/175 (2016.01) A61K 33/00 (2006.01) A61K 36/185 (2006.01) A61K 36/77 (2006.01) A61P 1/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF CONSTIPATION AND OTHER AILMENTS OF THE GASTROINTESTINAL SYSTEM**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE LA CONSTIPATION ET D'AUTRES AFFECTIONS DU SYSTEME GASTRO-INTESTINAL**
[72] RAJFER, JACOB, US
[71] K.L.R.M., LLC, US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016870)
[87] (WO2020/163519)
[30] US (62/801,828) 2019-02-06

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 9/14 (2006.01)**
[25] EN
[54] **DOSAGE FORM COMPRISING STRUCTURED SOLID-SOLUTION FRAMEWORK OF SPARINGLY-SOLUBLE DRUG AND METHOD FOR MANUFACTURE THEREOF**
[54] **FORME GALENIQUE COMPRENANT UNE CHARPENTE DE SOLUTION SOLIDE STRUCTUREE DE MEDICAMENT MODEREMENT SOLUBLE ET SON PROCEDE DE FABRICATION**
[72] BLAESI, ARON H., US
[72] SAKA, NANNAJI, US
[71] BLAESI, ARON H., US
[85] 2021-08-04
[86] 2019-09-19 (PCT/US2019/052030)
[87] (WO2020/061383)
[30] US (62/733,624) 2018-09-19
[30] US (PCT/US2019/019004) 2019-02-21
[30] US (62/856,073) 2019-06-02
[30] US (62/893,178) 2019-08-28

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[51] **Int.Cl. C08L 23/08 (2006.01) H01B 7/04 (2006.01)**
[25] EN
[54] **POLYMERIC COMPOSITIONS FOR CABLE JACKETS**
[54] **COMPOSITIONS POLYMERES POUR GAINES DE CABLES**
[72] SAUNDERS, MADELAINE E., US
[72] BRIGANDI, PAUL J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-08-04
[86] 2020-01-16 (PCT/US2020/013879)
[87] (WO2020/167409)
[30] US (62/804,468) 2019-02-12

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[13] A1
[51] **Int.Cl. G01N 23/046 (2018.01) A61B 6/03 (2006.01)**
[25] EN
[54] **SCANNING SYSTEMS CONFIGURED TO INSPECT CONVEYED OBJECTS AND RELATED SYSTEMS AND METHODS**
[54] **SYSTEMES DE BALAYAGE CONFIGURES POUR INSPECTER DES OBJETS TRANSPORTES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] URCHUK, STEVEN N., US
[71] ANALOGIC CORPORATION, US
[85] 2021-08-04
[86] 2020-02-03 (PCT/US2020/016433)
[87] (WO2020/167514)
[30] US (16/275,103) 2019-02-13

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[51] **Int.Cl. C12N 15/86 (2006.01) C07K 14/435 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS DELIVERY OF CLN3 POLYNUCLEOTIDE**
[54] **ADMINISTRATION DE VIRUS ADENO-ASSOCIE DE POLYNUCLEOTIDE CLN3**
[72] MEYER, KATHRIN, US
[72] KASPAR, BRIAN K., US
[72] FOUST, KEVIN, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016542)
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[51] **Int.Cl. G06Q 50/02 (2012.01) B64C 39/02 (2006.01) B64D 47/08 (2006.01)**
[25] EN
[54] **SYSTEMS FOR AUTOMATED BLAST DESIGN PLANNING AND METHODS RELATED THERETO**
[54] **SYSTEMES DE PLANIFICATION AUTOMATISEE DE SAUTAGE ET PROCEDES ASSOCIES**
[72] GILTNER, SCOTT, US
[72] FLINCHUM, RUFUS E., US
[72] AVERETT, JEFFREY, US
[72] NAWROCKI, JR., JOSEPH, US
[71] DYNO NOBEL INC., US
[85] 2021-08-04
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[30] US (62/801,312) 2019-02-05

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[51] **Int.Cl. C08L 77/06 (2006.01)**
[25] EN
[54] **POLYAMIDES HAVING HIGH LEVELS OF AMINE END GROUPS**
[54] **POLYAMIDES PRESENTANT DES TAUX ELEVES DE GROUPES TERMINAUX AMINE**
[72] SPARKS, BRADLEY J., US
[72] HENSARLING, RYAN M., US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2021-08-04
[86] 2020-02-06 (PCT/US2020/016965)
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[30] US (62/801,869) 2019-02-06

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[51] **Int.Cl. G01C 21/20 (2006.01) H04W 4/024 (2018.01) H04W 4/33 (2018.01) G01S 5/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR WIRELESS ACQUISITION AND PRESENTATION OF LOCAL SPATIAL INFORMATION**
[54] **PROCEDES ET SYSTEMES POUR ACQUISITION ET PRESENTATION D'INFORMATIONS SPATIALES LOCALES**
[72] BELT, DARWIN WAYNE, US
[72] HIPP, JESSICA B., US
[72] HILTON, JEFFREY, US
[72] HILTON, APRIL RYAN, US
[71] BLIND INSITES, LLC, US
[85] 2021-08-04
[86] 2020-02-06 (PCT/US2020/016977)
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[30] US (62/802,053) 2019-02-06

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[51] **Int.Cl. B62B 5/06 (2006.01) F16B 19/00 (2006.01)**
[25] EN
[54] **CONVERTIBLE HANDLE**
[54] **POIGNEE CONVERTIBLE**
[72] WERNBERG, BENJAMIN M., US
[72] WILLIAMS, BENJAMIN P., US
[72] FOLEY, JOSEPH P., US
[71] TRICAM INDUSTRIES, INC., US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016603)
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[51] **Int.Cl. G16H 40/20 (2018.01)**
[25] EN
[54] **REDUCING ILLNESSES AND INFECTIONS CAUSED BY INEFFECTIVE CLEANING BY TRACKING AND CONTROLLING CLEANING EFFICACY**
[54] **REDUCTION DE MALADIES ET D'INFECTIONS PROVOQUEES PAR UN NETTOYAGE INEFFICACE PAR SUIVI ET CONTROLE DE L'EFFICACITE DE NETTOYAGE**
[72] GOLDFAIN, ALBERT, US
[72] HAYES, GREGORY BRYANT, US
[72] GAYNOR, EMILY, US
[72] VAN HOECKE, PEDRO, US
[72] WEART, ILONA FURMAN, US
[72] WEGNER, JOSEPH, US
[71] ECOLAB USA INC., US
[85] 2021-08-04
[86] 2020-02-06 (PCT/US2020/017040)
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[30] US (62/801,865) 2019-02-06
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[25] EN
[54] **HYGIENE MANAGEMENT FOR REDUCING ILLNESSES AND INFECTIONS CAUSED BY INEFFECTIVE HYGIENE PRACTICES**
[54] **GESTION D'HYGIENE POUR REDUIRE DES MALADIES ET DES INFECTIONS PROVOQUEES PAR DES MESURES D'HYGIENE INEFFICACES**
[72] HAYES, GREGORY BRYANT, US
[72] GOLDFAIN, ALBERT, US
[72] VAN HOECKE, PEDRO, US
[72] GAYNOR, EMILY, US
[72] WEGNER, JOSEPH, US
[72] WEART, ILONA FURMAN, US
[71] ECOLAB USA INC., US
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[30] US (62/801,865) 2019-02-06
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[25] EN
[54] **SEMI-AUTONOMOUS REFUSE COLLECTION**
[54] **COLLECTE DE DECHETS SEMI-AUTONOME**
[72] MARONEY, STANLEY L., US
[72] LEWIS, DAVID G., US
[72] WILLIAMS, ROBERT B., US
[71] THE HEIL CO., US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016648)
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[54] **COMPOSES DE GANODERMA LUCIDUM BIOLOGIQUEMENT ACTIFS, ET SYNTHESE DE DERIVES ANTICANCEREUX ; SONDES DE PEROXYDE D'ERGOSTEROL POUR LOCALISATION CELLULAIRE**
[72] MARTINEZ-MONTEMAYOR, MICHELLE, US
[72] RIVAS, FATIMA, US
[71] UNIVERSIDAD CENTRAL DEL CARIBE, US
[71] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC., US
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[54] **CHAUDIERE PREFABRIQUEE MULTI-CIRCULATION A CIRCULATION NATURELLE POUR PROCESSUS DE DRAINAGE PAR GRAVITE ASSISTE PAR INJECTION DE VAPEUR D'EAU (SAGD)**
[72] ALBRECHT, MELVIN J., US
[72] MARSHALL, JASON M., US
[72] FORD, JONATHAN B., US
[72] REMUS, JEREMY L., US
[71] THE BABCOCK & WILCOX COMPANY, US
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[54] **PROCESS FOR PREPARING ENANTIOMERICALLY ENRICHED JAK INHIBITORS**
[54] **PROCEDE DE PREPARATION D'INHIBITEURS DE JAK ENRICHIS EN ENANTIOMERES**
[72] LEWIS, ROBERT S., US
[72] KARLA, MAHENDER REDDY, US
[72] KAVOURIS, KATHRYN E., US
[72] DONG, YONG, US
[72] MORGAN, ADAM J., US
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[54] **ELEMENTS INTERNES DE REACTEUR D'HYDROTRAITEMENT AYANT UNE HAUTEUR REDUITE**
[72] ZHANPING, XU, US
[71] UOP LLC, US
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[54] **ELEMENTS INTERNES DE REACTEUR D'HYDROTRAITEMENT AYANT UNE HAUTEUR REDUITE**
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[71] UOP LLC, US
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[54] **PROCEDE DE POLYMERISATION PAR TRANSFERT D'IODE ET COMPOSITIONS OBTENUES A PARTIR DE CE DERNIER**
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[72] HAWKER, CRAIG, US
[72] WILLENBACHER, JOHANNES, US
[72] MCGRATH, ALAINA, US
[72] NARUPAI, BENJAPORN, US
[72] LAITAR, DAVID, US
[72] VAN DYK, ANTONY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **PROCEDE DE POLYMERISATION PAR TRANSFERT D'IODE INVERSE ET COMPOSITIONS EN RESULTANT**
[72] DISCEKICI, EMRE, US
[72] LEE, IN-HWAN, US
[72] MCGRATH, ALAINA, US
[72] HAWKER, CRAIG, US
[72] REN, JING MING, US
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[54] **DISPOSITIFS DE SOIN DE LA PEAU**
[72] ALEXANDER, SAM, US
[71] AGE SCIENCES, INC. DBA PMD BEAUTY, US
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[54] **MECANISME DE VERROUILLAGE DE POMPE A PERFUSION ET DISPOSITIF DE PROTECTION CONTRE L'ECOULEMENT LIBRE ASSOCIE**
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[54] **WATERCRAFT LIFT AND AUTOMATIC WATERCRAFT COVER**
[54] **DISPOSITIF DE LEVAGE D'EMBARCATION ET RECOUVREMENT AUTOMATIQUE D'EMBARCATION**
[72] HEY, KENNETH EDWARDS, US
[72] STANFORD, DEAN ALLEN, US
[72] HALVERSON, LOERN, US
[71] SUNSTREAM CORPORATION, US
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[72] HOLLIS, DARRELL, US
[72] KLAUSMEYER, RODNEY L., US
[72] KRAMER, KEITH S., US
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[54] **DISPOSITIF PERMETTANT DE CONTENIR ET DE DISTRIBUER UN MATERIAU VISQUEUX**
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[71] SONOCO DEVELOPMENT, INC., US
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[72] HARTMAN, CODY L., US
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[72] ARAVANIS, ALEX, US
[72] BOYANOV, BOYAN, US
[72] BOWEN, M. SHANE, US
[72] BUERMANN, DALE, US
[72] HSIAO, ALEXANDER, US
[72] JAVANMARDI, BEHNAM, US
[72] KHURANA, TARUN, US
[72] SABOUNCHI, POORYA, US
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[54] **FIBRES LIGNOCELLULOSIQUES PHOSPHORYLEES, UTILISATIONS ET PROCEDES DE PREPARATION CORRESPONDANTS**
[72] BELOSINSCHI, DAN, CA
[72] BROUILLETTE, FRANCOIS, CA
[72] SHI, YING, CA
[72] PARADIS, JEAN, CA
[72] DOUCET, JOSEE, CA
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[54]
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[72] BURKHOLZ, JONATHAN KARL, US
[72] HARDING, WESTON, US
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[54] **FOOD DISPLAY SYSTEM INTEGRATING RETAILER SERVICES WITH CONSUMER ENGAGEMENT**
[54] **SYSTEME D'AFFICHAGE DE PRODUITS ALIMENTAIRES INTEGRANT DES SERVICES DU DETAILLANT ET L'ENGAGEMENT DU CONSOMMATEUR**
[72] SEALS, MICHAEL, US
[72] KRISHNASWAMY, RAMAKRISHNA, US
[72] STREET, NORMAN, US
[72] SCHNUR, DANIEL, US
[71] HUSSMANN CORPORATION, US
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[54] **AMELIORATION DE L'AUTOPHAGIE OU AUGMENTATION DE LA LONGEVITE PAR L'ADMINISTRATION D'UROLITHINES OU DE PRECURSEURS DE CELLES-CI**
[72] RINSCH, CHRISTOPHER L., CH
[72] BLANCO-BOSE, WILLIAM, CH
[72] SCHNEIDER, BERNARD, CH
[72] MOUCHIROUD, LAURENT, CH
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[72] ANDREUX, PENELOPE, CH
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[54]
[72] ZAGAR, CYRILL, US
[72] BEGLIOMINI, EDSON, SG
[72] BEOHAR, ABHISHE, IN
[72] CHANDOLA, AJAY, IN
[72] GANIGER, SATISH, SG
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[72] FUCHS, GUILLAUME, DE
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[72] REUTELHUBER, FRANZ, DE
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[72] ASSELIN, EDOUARD, CA
[72] REN, ZIHE, CA
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