



Bulletin Officiel de la Propriété Industrielle (BOPI)

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Brevets d'Invention

www.oapi.int

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**PREMIERE PARTIE
GENERALITES**

Extrait de la norme ST.3 de l'OMPI

Code normalisé à deux lettres recommandé pour la représentation des pays ainsi que d'autres entités et des organisations internationales délivrant ou enregistrant des titres de propriété industrielle.

Afghanistan	AF	Cook, Îles	CK
Afrique du Sud	ZA	Corée (République de Corée)	KR
Albanie	AL	Corée (Rép. Populaire de Corée)	KP
Algérie	DZ	Costa Rica	CR
Allemagne	DE	Côte d'Ivoire*	CI
Andorre	AD	Croatie	HR
Angola	AO	Cuba	CU
Anguilla	AI	Danemark	DK
Antigua-et-Barbuda	AG	Djibouti	DJ
Antilles Néerlandaises	AN	Dominicaine, République	DO
Arabie Saoudite	SA	Dominique	DM
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Bosnie-Herzégovine	BA	Géorgie	GE
Botswana	BW	Géorgie du Sud et les Îles Sandwich du Sud	GS
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Brésil	BR	Gibraltar	GI
Brunéi Darussalam	BN	Grèce	GR
Bulgarie	BG	Grenade	GD
Burkina Faso*	BF	Groenland	GL
Burundi	BI	Guatemala	GT
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Cambodge	KH	Guinée*	GN
Cameroun*	CM	Guinée-Bissau*	GW
Canada	CA	Guinée Equatoriale*	GQ
Cap-Vert	CV	Guyana	GY
Centrafricaine, République*	CF	Haïti	HT

Chili	CL	Honduras	HN
Chine	CN	Hong Kong	HK
Chypre	CY	Hongrie	HU
Colombie	CO	Île de Man	IM
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Congo*	CG	Inde	IN
Congo (Rép. Démocratique)	CD	Indonésie	ID
Iran (République Islamique d')	IR	Norvège	NO
Iraq	IQ	Nouvelle-Zélande	NZ
Irlande	IE	Oman	OM
Islande	IS	Ouganda	UG
Israël	IL	Ouzbékistan	UZ
Italie	IT	Pakistan	PK
Jamaïque	JM	Palaos	PW
Japon	JP	Panama	PA
Jersey	JE	Papouasie-Nouvelle-Guinée	PG
Jordanie	JO	Paraguay	PY
Kazakhstan	KZ	Pays-Bas	NL
Kenya	KE	Pérou	PE
Kirghizistan	KG	Philippines	PH
Kiribati	KI	Pologne	PL
Koweït	KW	Portugal	PT
Laos	LA	Qatar	QA
Lesotho	LS	Région admin. Spéciale de Hong Kong (Rep. Populaire de Chine)	HK
Lettonie	LV	Roumanie	RO
Liban	LB	Royaume Uni (Grande Bretagne)	GB
Libéria	LR	Rwanda	RW
Libye	LY	Sahara Occidental	EH
Liechtenstein	LI	Sainte-Hélène	SH
Lituanie	LT	Saint-Kitts-et-Nevis	KN
Luxembourg	LU	Sainte-Lucie	LC
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Macédoine	MK	Saint-Marin (Partie Néerlandaise)	SX
Madagascar	MG	Saint-Siège (Vatican)	VA
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Malte	MT	Sénégal*	SN
Mariannes du Nord, Îles	MP	Serbie	RS
Maroc	MA	Seychelles	SC
Maurice	MU	Sierra Leone	SL
Mauritanie*	MR	Singapour	SG
Mexique	MX	Slovaquie	SK
Moldova	MD	Slovénie	SI
Monaco	MC	Somalie	SO

Mongolie	MN	Soudan	SD
Monténégro	ME	Sri Lanka	LK
Montserrat	MS	Suède	SE
Mozambique	MZ	Suisse	CH
Myanmar (Birmanie)	MM	Suriname	SR
Namibie	NA	Swaziland	SZ
Nauru	NR	Syrie	SY
Népal	NP	Tadjikistan	TJ
Nicaragua	NI	Taiwan, Province de Chine	TW
Niger*	NE	Tanzanie (Rép.-Unie)	TZ
Nigeria	NG	Tchad*	TD
Thaïlande	TH	Tchèque, République	CZ
Timor Oriental	TP	Ukraine	UA
Togo*	TG	Uruguay	UY
Tonga	TO	Vanuata	VU
Trinité-et-Tobago	TT	Venezuela	VE
Tunisie	TN	Viet Nam	VN
Turkménistan	TM	Yémen	YE
Turks et Caïques, Îles	TC	Yougoslavie	YU
Turquie	TR	Zambie	ZM
Tuvalu	TV	Zimbabwe	ZW

ORGANISATIONS INTERNATIONALES DELIVRANT OU ENREGISTRANT DES TITRES DE PROPRIETE INDUSTRIELLE

Bureau Benelux des marques et des dessins et modèles industriels	BX
Office Communautaire des variétés végétales (Communauté Européenne (OCVV))	QZ
Office de l'harmonisation dans le marché intérieur (Marque, dessins et modèles)	EM
Office des Brevets du conseil de Coopération des Etats du Golf (CCG)	GC
Office Européen des Brevets (OEB)	EP
Organisation Mondiale de la Propriété Intellectuelle (OMPI)	WO
Bureau International de l'OMPI	IB
Organisation Africaine de la Propriété Intellectuelle (OAPI)	OA
Organisation Eurasienne des Brevets (OEAB)	EA
Organisation Régionale Africaine de la Propriété Industrielle (ARIPO)	AP

*Etats membres de l'OAPI

CODES UTILISES EN MATIERE DE DOCUMENTATION DES BREVETS D'INVENTION ET DES MODELES D'UTILITE

- (11) Numéro de publication.
- (12) Désignation du type de document.
- (19) Identification de l'office qui publie le document.
- (21) Numéro d'enregistrement ou de dépôt.
- (22) Date de dépôt.
- (24) Date de délivrance.
- (30) Pays dans lequel (lesquels) la(les) demande(s) de priorité a (ont) été déposée(s).
Date(s) de dépôt de la (des) demande(s) de priorité.

(le cas échéant)

- Numéro(s) attribué(s) à la (aux) demande(s) de priorité.
- (51) Classification internationale des brevets(CIB).
- (54) Titre de l'invention.
- (57) Abrégé.
- (60) Références à d'autres documents apparentés (le cas échéant).
- (71) Nom(s) du ou des demandeur(s).
- (72) Nom de l'inventeur (le cas échéant) suivi éventuellement du nom de la société d'appartenance.
- (73) Nom(s) du ou des titulaire(s) le cas échéant.
(Ce code n'apparaît que sur la première page du brevet délivré)
- (74) Nom du mandataire en territoire OAPI (le cas échéant).

CODES UTILISES EN MATIERE D'INSCRIPTIONS DANS LE REGISTRE SPECIAL DES BREVETS D'INVENTION ET DES MODELES D'UTILITE

- (1) Numéro de délivrance
- (2) Numéro de dépôt
- (3) Numéro et date de la demande d'inscription
- (4) Nature de l'inscription
- (5) Numéro et date de l'inscription
- (10) Cédant
- (11) Cessionnaire
- (12) Apporteur
- (13) Bénéficiaire
- (14) Dénomination avant
- (15) Dénomination après
- (16) Concédant
- (17) Titulaire
- (18) Ancienne adresse
- (19) Nouvelle adresse
- (20) Constituant du nantissement
- (21) Créancier nanti

CLARIFICATION DU REGLEMENT RELATIF A L'EXTENSION DES DROITS SUITE A UNE NOUVELLE ADHESION A L'ACCORD DE BANGUI

RESOLUTION N°47/32

LE CONSEIL D'ADMINISTRATION DE L'ORGANISATION AFRICAINE DE LA PROPRIETE INTELLECTUELLE

- Vu L'accord portant révision de l'accord de Bangui du 02 Mars 1977 instituant une Organisation Africaine de la Propriété Intellectuelle et ses annexes ;
- Vu Les dispositions des articles 18 et 19 dudit Accord relatives Aux attributions et pouvoirs du Conseil d'Administration ;

ADOPTE la clarification du règlement du 04 décembre 1988 relatif à l'extension des droits suite à une nouvelle adhésion à l'Accord de Bangui ci-après :

Article 1er :

Le Règlement du 04 décembre 1988 relatif à l'extension des droits suite à une nouvelle adhésion à l'Accord de Bangui est réaménagé ainsi qu'il suit :

«Article 5 (nouveau) :

Les titulaires des titres en vigueur à l'Organisation avant la production des effets de l'adhésion d'un Etat à l'accord de Bangui ou ceux dont la demande a été déposée avant cette date et qui

voudront étendre la protection dans ces Etats doivent formuler une demande d'extension à cet effet auprès de l'Organisation suivant les modalités fixées aux articles 6 à 18 ci-dessous.

Le renouvellement de la protection des titres qui n'ont pas fait l'objet d'extension avant l'échéance dudit renouvellement entraîne une extension automatique des effets de la protection à l'ensemble du territoire OAPI».

Le reste sans changement.

Article 2 :

La présente clarification, qui entre en vigueur à compter du 1^{er} janvier 2008, s'applique aussi aux demandes d'extension en instance et sera publiée au Bulletin Officiel de l'Organisation.

Fait à Bangui le 17 décembre 2007

Siège social

Place de la Préfecture
B.P. 887 Yaoundé - Cameroun
Tél.: (237) 222 20 57 00
Site web : www.oapi.int / Email : oapi@oapi.int

ADRESSES DES STRUCTURES NATIONALES DE LIAISON AVEC L'OAPI (SNL)

BENIN - Cotonou

Agence Nationale de la Propriété Industrielle (ANAPI)

01 B.P. 363 Cotonou
Tel.: (229) 21 31 02 40
Fax.: (229) 21 30 30 24

BURKINA FASO - Ouagadougou

Centre National de la Propriété Industrielle (CNPI)

04 B.P. 382 Ouagadougou 04
Tel.: (226) 50 30 09 41/25 31 03 11
Fax.: (226) 50 33 05 83

CAMEROUN - Yaoundé

Direction du Développement Technologique et de la Propriété Industrielle

B.P.: 1652 Yaoundé
Tel.: (237) 222 20 37 78
Fax.: (237) 222 20 37 38

CENTRAFRIQUE - Bangui

Direction de la Propriété Industrielle

B.P. : 1988 Bangui
Tel. : (236) 21 61 17 44
Fax: (236) 21 61 76 53

COMORES - Moroni

Office Comorien de la Propriété Intellectuelle (OCPI)

BP 41 Moroni
Tél. : (269) 33 10 703
Fax : (269) 775 00 03/33 35 360

CONGO - Brazzaville

Antenne Nationale de la Propriété Industrielle (ANPI)

B.P. : 72 Brazzaville
Tel (242) 581 56 57
Fax : (242) 22 81 32 12

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01 B.P. 2337 Abidjan 01
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Office Gabonais de la Propriété Industrielle (OGAPI)

B.P. 576 Libreville
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B.P. : 269 Bissau
Tél : (245) 322 22 75
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(Consejo de Investigaciones Científicas y Tecnológicas-CICTE)-SNL

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Centre Malien de Promotion de la Propriété Industrielle (CEMAPI)

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Direction de la Structure Nationale de Liaison avec l'OAPI

B.P. : 424 N'Djamena
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B.P. : 2339 Lomé
Tel. : (228) 22 22 10 08
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**DEUXIEME PARTIE
BREVETS D'INVENTION**

A

REPertoire NUMERIQUE

Du N° 20491 au N° 20530

(11) **20491**

- (51) H04B 7/0456 (2018.01);
 H04B 7/06 (2018.01);
 H04L 1/00 (2018.01);
 H04L 5/00 (2018.01)

(21) **1202000170 - PCT/IB2018/058928**(30) **US n° 62/585,323 du 13/11/2017**

(22) 13/11/2018

(54) **Methods And Apparatuses For Port Index Signaling For Non-Precoder Matrix Indicator (PMI) Channel State Information (CSI) Feedback.**

- (72) FAXÉR, Sébastien (SE);
 GAO, Shiwei (CA);
 HARRISON, Robert Mark (US) et
 MURUGANATHAN, Siva (CA)

(73) **Telefonaktiebolaget LM Ericsson (publ),**
 SE-164 83, STOCKHOLM (SE)

(74) **Cabinet BONNY & Associés, LAW FIRM,**
B.P. 869, YAOUNDE (CM).

(57)

Apparatus and methods are disclosed for port index signalling. In one embodiment, a method for a network node includes generating at least one port indication in one of a rank nested and a non-rank nested manner; and signalling the at least one port indication in the one of the rank nested and the non-rank nested manner. In another embodiment, a method for a wireless device (WD) includes receiving at least one port indication from a network node, the at least one port index indication being received in one of a rank nested and a non-rank nested manner; and generating channel state information, CSI, feedback based on the at least one port indication.

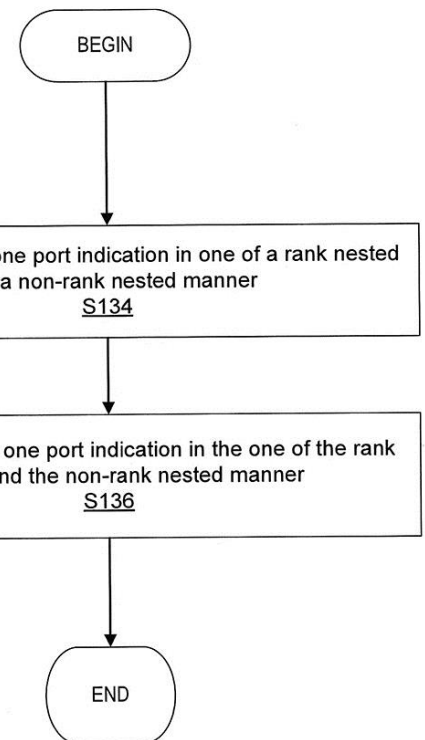


Fig. 15

[Consulter le mémoire](#)

(11) **20492**

- (51) E02B 3/00 (2018.01)
 (21) **1202100044 - PCT/JP2018/031974**
 (22) 29/08/2018
 (54) **Recovery Method For Water Intake Pipe.**
 (72) KOJIMA, Takeshi (JP)
 (73) **JGC Corporation**, 3-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi, KANAGAWA 2206001 (JP)
 (74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).**
 (57)

To provide a technique that reduces the lifting load of a water intake pipe provided to a floating facility. [Solution] A water intake pipe 2, which is held in a floating facility 11 provided with a device for processing petroleum or natural gas and which is suspended into the water, includes a plurality of partial pipes 23, 21 linked to each other, and comprises a water intake port 201 that takes in water and a discharge port 202 positioned in an

upper end part held on the floating facility 11 side. The water intake pipe 2 is recovered by carrying out the steps of (a) closing a pipeline of the water intake pipe 2 on the discharge port 202-side thereof, (b) pouring a fluid having a lower specific gravity than water into the water intake pipe 2 after the pipeline has been closed, and (c) lifting up the water intake pipe 2 to which buoyant force has been imparted by pouring in the fluid.

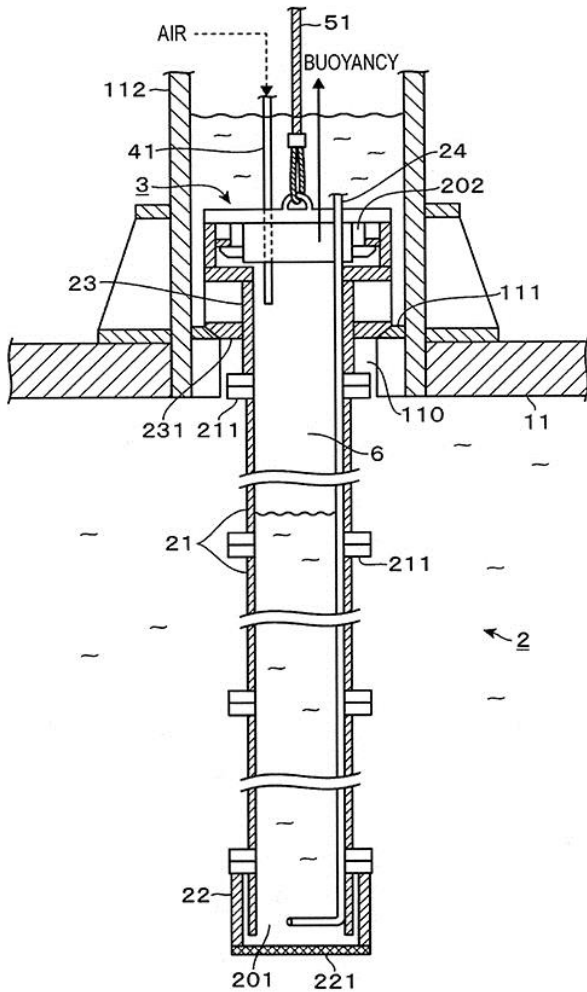


Fig. 3

[Consulter le mémoire](#)

(11) 20493

(51) H04W 24/10 (2018.01)

(21) 1202100059 - PCT/JP2018/030150

(22) 10/08/2018

(54) **User Equipment And Wireless Communication Method.**

(72) NAGATA, Satoshi (JP); MATSUMURA, Yuki (JP) et YOSHIOKA, Shohei (JP)

(73) **NTT DOCOMO, INC.**, 11-1, Nagatacho 2-chome, Chiyoda-ku, TOKYO 1006150 (JP)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM)**

(57)

To appropriately control a plurality of CSI reports of different types, a user terminal according to one aspect of the present disclosure includes: a transmitting section that transmits channel state information (CSI) reports of different types; and a control section that, when transmission durations of a plurality of the CSI reports overlap, drops a given CSI report according to priority or multiplexes a given CSI report on a given uplink channel, based on a type of each of the plurality of the CSI reports and a type of an uplink channel used for transmission of each of the plurality of the CSI reports.

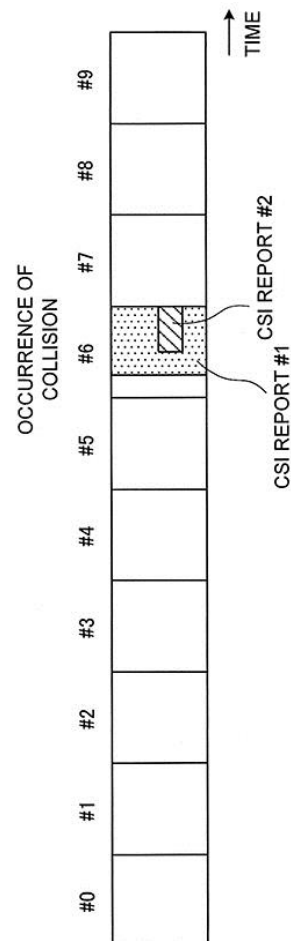


Fig. 1

[Consulter le mémoire](#)

(11) **20494**

- (51) A61K 35/66 (2018.01);
A61P 37/04 (2018.01)
- (21) **1202100063 - PCT/EP2019/072181**
(22) 19/08/2019
- (30) **EP n° 18189521.0 du 17/08/2018;**
GB n° 1817648.7 du 29/10/2018;
GB n° 1900335.9 du 10/01/2019;
GB n° 1901203.8 du 29/01/2019
- (54) **Compositions comprising bacterial strains.**
- (72) RAFTIS, Emma (GB);
MULDER, Imke Elisabeth (GB);
HOLT, Amy Beth (GB);
AHMED, Suaad (GB);
ETTORRE, Anna (GB);
HENNESSY, Emma Elizabeth Clare (GB);
LAUTE-CALY, Delphine Louise Claudette (GB);
COWIE, Philip (GB);
ADRIANI, Marsilio (GB) et
CHRISTOFI, Maria (GB)
- (73) **4D Pharma Research Limited**, Life Sciences Innovation Building, Cornhill Road, ABERDEEN, Aberdeenshire AB25 2ZS, United Kingdom (GB)
- (74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).**

(57)

The invention provides a composition comprising a bacterial strain for use in stimulating the immune system in a subject.

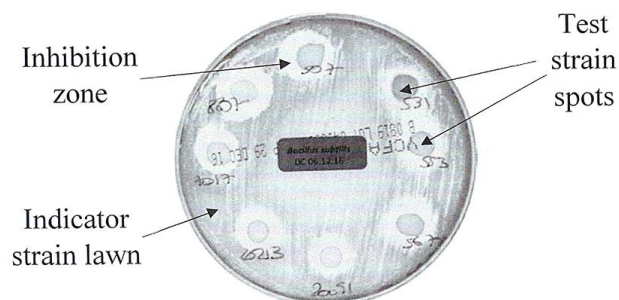


Fig. 22

[Consulter le mémoire](#)

(11) **20495**

- (51) E02F 3/18 (2018.01);
E02F 3/24 (2018.01);
E02F 7/06 (2018.01)
- (21) **1202100064 - PCT/IB2019/056867**
(22) 13/08/2019
- (30) **US n° 62/718,160 du 13/08/2018**
- (54) **Apparatus And Method For Changing Bucket Wheels.**
- (72) PLETZ, Rudolf (AT);
SMAJLOVIC, Belmin (AT);
DOESINGER, Lukas (AT) et
EDLINGER, Michael (AT)
- (73) **Technological Resources Pty. Limited**, Level 7, 360 Collins Street, MELBOURNE, Victoria 3000 (AU)
- (74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).**
- (57)
- The invention relates to a bucket wheel machine 100 comprising a base 102 and an operating block 104. The operating block comprises a bucket wheel 106, a bearing 112, 114, and at least one of a ring chute 120, a bucket wheel chute 108, and a bucket wheel drive 116. The operating block 104 is detachably attached to the base of the bucket wheel machine 102. The operating block 104 also comprises a support frame 130 which is connected to the bearing 112, 114.

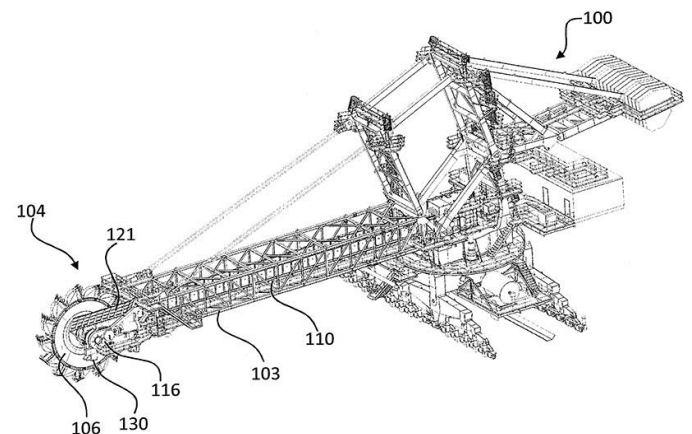


Fig. 1

[Consulter le mémoire](#)

(11) **20496**

- (51) E04B 2/00 (2018.01);
E04C 2/288 (2018.01);
E04G 11/06 (2018.01);
E04G 11/08 (2018.01);
E04G 17/06 (2018.01);
E04G 17/12 (2018.01)

(21) **1202100081 - PCT/US2019/047489**

(22) 21/08/2019

(30) **US n° 62/720,808 du 21/08/2018**

(54) **Insulatable, Insulative Framework Apparatus And Methods Of Making And Using Same.**

(72) WRIGHT, John David (US)

(73) **WRIGHT, John David**, 44 Pearl Street, NEW HAVEN, CT, 06511 (US)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl**, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).

(57)

A building framework is disclosed herein comprising a first structural member, a second structural member, and a third structural member disposed between the first and second structural members, a first web member connecting the first and third structural members in a spaced apart relationship, and a second web member connecting the second and third structural members in a spaced apart relationship. The first web member is positioned relative to the second web member such that the shortest distance between the first web member and second web member is greater than or equal to 5 times the thickness of the third structural member. Additional products, systems, and methods also are disclosed.

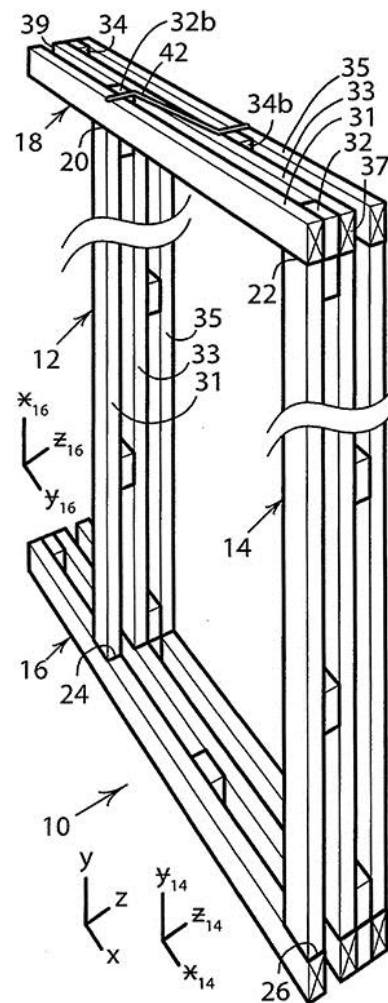


Fig. 1A

[Consulter le mémoire](#)

(11) **20497**

- (51) B01L 3/00 (2018.01);
C12Q 1/18 (2018.01);
C12Q 1/689 (2018.01);
G01N 33/53 (2018.01);
G01N 33/569 (2018.01)

(21) **1202100086 - PCT/US2019/048649**

(22) 28/08/2019

(30) **US n° 62/725,026 du 30/08/2018;**
US n° 16/551,702 du 26/08/2019

(54) **System for microbial species detection, quantification and antibiotic susceptibility identification.**

(72) FINCH, Michael, D. (US);
FONG, Kee, Onn (US);
KOTIAN, Saurabh (US);
MUNSHI, Cyrus, B. (US);
MAHAJAN, Advitiya (US) et
LINDBORG, Beth, A. (US)

(73) **Microfluidic Biologics Corp.**, 9385 Lake Jane Trl N, LAKE ELMO, MN 55042 (US)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl**, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).

(57)

Several microfluidic chips are used to significantly accelerate the time to identify and quantify microbes in a biological sample and test them for antibiotic resistance, particularly for urinary tract infections. A first microfluidic chip uses antibody or similar probes to identify and quantify any microbes present. The same or a similar chip uses antibody or similar probes to identify microbes with DNA or RNA known to indicate antibiotic resistance. Another microfluidic chip tests for antibiotic susceptibility of any microbes by growing them in very small wells in the presence of antibiotics, reducing the time required for such testing by as much as 95%. Another microfluidic chip runs traditional urinalysis or similar tests.

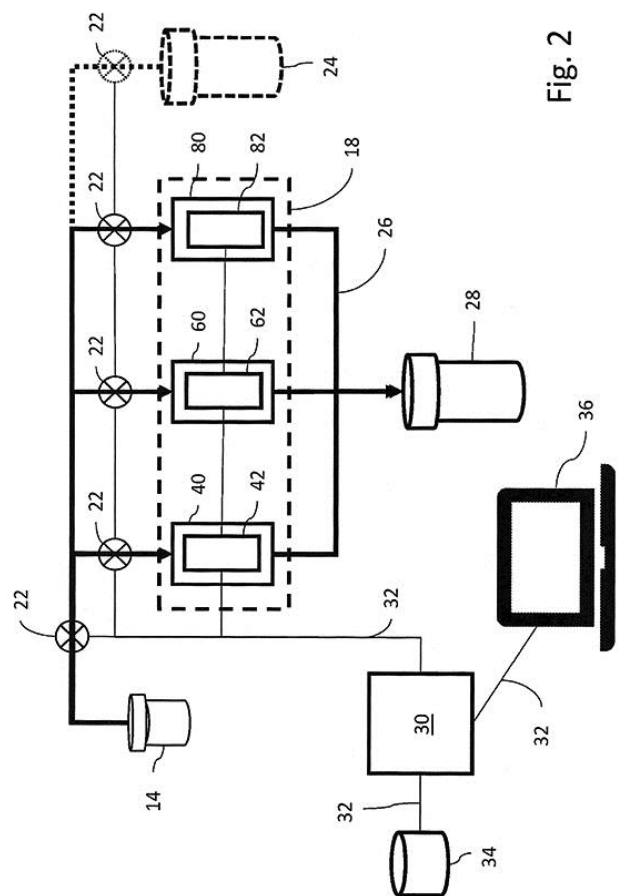


Fig. 2

[Consulter le mémoire](#)

(11) **20498**

(51) G01S 13/00 (2018.01);
G01S 7/00 (2018.01);
G01S 7/02 (2018.01);
G01S 7/282 (2018.01);
G01S 7/292 (2018.01)

(21) **1202100101 - PCT/FR2019/052049**

(22) 06/09/2019

(30) **FR n° 1858055 du 07/09/2018**

(54) **Method and device for generating a radar signal, associated radar detection method and system.**

(72) KASSER, Pierre (FR)

(73) **TDF**, 155BIS Avenue Pierre Brossolette, 92120 MONTROUGE (FR)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl**, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).

(57)

The invention relates to a method and a device for generating a radar signal. The method is characterised in that it comprises a step (18) of acquiring a communication signal comprising frames assigned to communication and frames not assigned to communication, and a step (20) of inserting a radar pulse into at least one non-assigned frame of the communication signal, called radar frame, in order to form said radar signal.

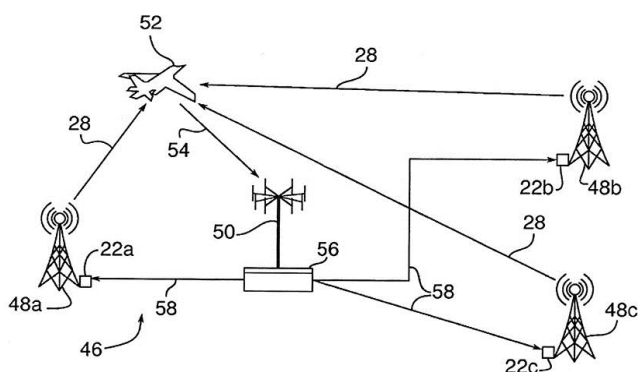


Fig. 5

[Consulter le mémoire](#)

(11) **20499**

(51) A01N 43/80 (2018.01);
 C07D 413/04 (2018.01);
 C07D 413/14 (2018.01)

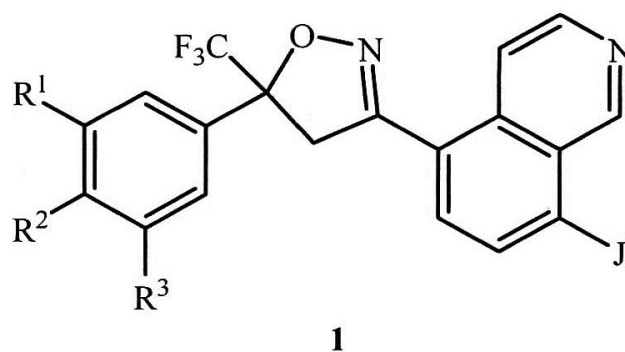
(21) **1202100106 - PCT/US2019/050534**

(22) 11/09/2019

(30) **US n° 62/730,067 du 12/09/2018**(54) **Isoxazoline compounds for controlling invertebrate pests.**(72) LAHM, George Philip (US) et
 XU, Ming (US)(73) **FMC Corporation**, 2929 Walnut Street,
 PHILADELPHIA, Pennsylvania 19104 (US)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl**, The House of Gideon,
Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).

(57)

Disclosed are compounds of Formula 1,



wherein R¹, R², R³ and J are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the disclosure.

[Consulter le mémoire](#)

(11) **20500**

(51) B62D 49/06 (2018.01);
 B62D 9/00 (2018.01)

(21) **1202100118 - PCT/IN2019/050663**

(22) 12/09/2019

(30) **IN n° 201811034488 du 12/09/2018**(54) **Agricultural Vehicle.**(72) TIGHARE, Avinash (IN) et
 SINGH, Vikas (IN)(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited**, Farm Equipment Sector,
 Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl**, The House of Gideon,
Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).

(57)

Agricultural vehicle V includes an operator's seat S, a vehicular structure C, a wheel support arrangement 100, a front bumper assembly 200, a position and draft control mechanism 30, a brake pedal linkage mechanism 500, a steering mechanism 600 and an exhaust device 700. The operator's seat S is configured to be provided in the vehicle V at at least one of a first seating position Sf corresponding to a first driving

position, and a second seating position S_r corresponding to a second driving position, where the second seating position S_r is opposite to the first seating position S_f . The vehicular structure C is configured to be moved between at least one lowered position in which each final drive housing FH is locked to vehicular structure C at corresponding first locking positions, and at least one raised position in which each final drive housing FH is locked to vehicular structure C at corresponding second locking positions.

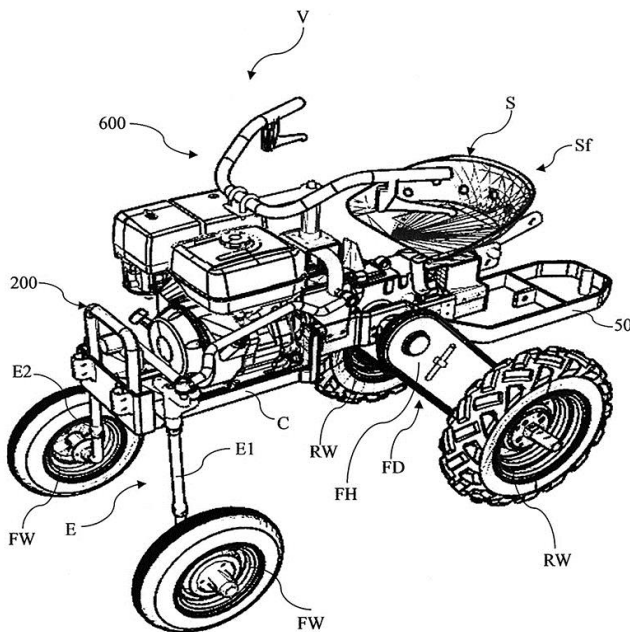


Fig. 1

[Consulter le mémoire](#)

(11) **20501**

(51) B60K 26/02 (2018.01);
F02D 9/02 (2018.01)

(21) **1202100119 - PCT/IN2019/050668**

(22) 12/09/2019

(30) **IN n° 201811034484 du 12/09/2018**

(54) **Throttle control apparatus for a vehicle and a mechanism thereof.**

(72) MITTAL, Sunil (IN) et
GARG, Vipin (IN)

(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited, Farm Equipment Sector,**

Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).**

(57)

Throttle control apparatus 810 for a vehicle and a mechanism 800 thereof is provided. A throttle control mechanism 800 includes a first throttle control assembly 802, a second throttle control assembly 804, a first cable 806, a second cable 808, a throttle control apparatus 810, a linkage 812 and a mounting bracket 814. The throttle control apparatus 810 includes a shaft housing 810, a pivot shaft, an intermediate lever 810L and a lever 81OR. The intermediate lever 810L has a first portion 810Lf defining a slot 810La and a second portion 810Ls defining a slot 810Lb. A first end 806f of first cable 806 is connected to first throttle control assembly 802 and a second end 806s of first cable 806 is movably connected to intermediate lever 810L. A first end 808f of second cable 808 is connected to second throttle control assembly 804 and a second end 808s of the second cable 808 is movably connected to intermediate lever 810L.

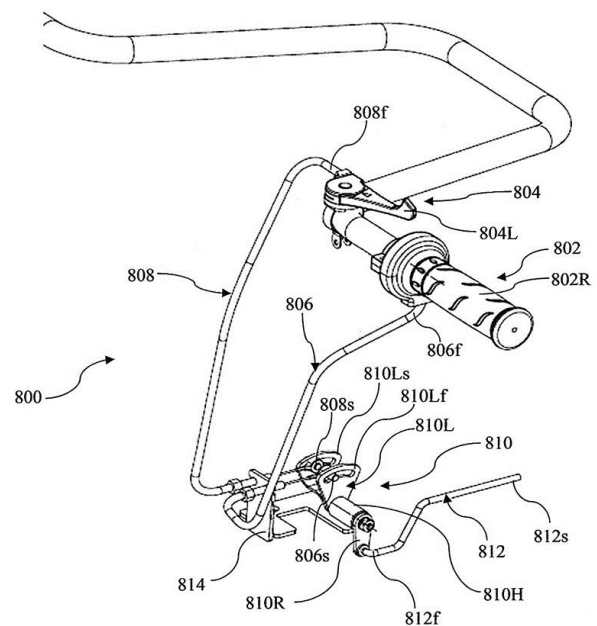


Fig. 1

[Consulter le mémoire](#)

(11) **20502**

(51) A01B 63/112 (2018.01)

(21) **1202100120 - PCT/IN2019/050667**

(22) 12/09/2019

(30) **IN n° 201811034476 du 12/09/2018**(54) **Draft control mechanism for an implement coupled to vehicle hitch.**

(72) SINGH, Vikas (IN)

(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited**, Farm Equipment Sector, Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).**

(57)

Draft control mechanism 400 for an implement coupled to vehicle hitch 50 is provided. Draft control mechanism 400 includes a sliding assembly 402, a first end cover 404, a housing 406, a second end cover 407, at least one resilient and shock absorber arrangement 408 and an adjustable assembly 410. The first end cover 404 is connected to housing 406. The second end cover 407 is connected to the housing 406 and disposed opposite to the first end cover 404. The resilient and shock absorber arrangement 408 is adapted to dampen a shock load received by the implement. The resilient and shock absorber arrangement 408 is provided between sliding assembly 402, and at least one of second end cover 407 and adjustable assembly 410. At least one of the adjustable assembly 410 and the sliding assembly 402 is configured to be moved with respect to the housing 406 to vary the draft of the implement.

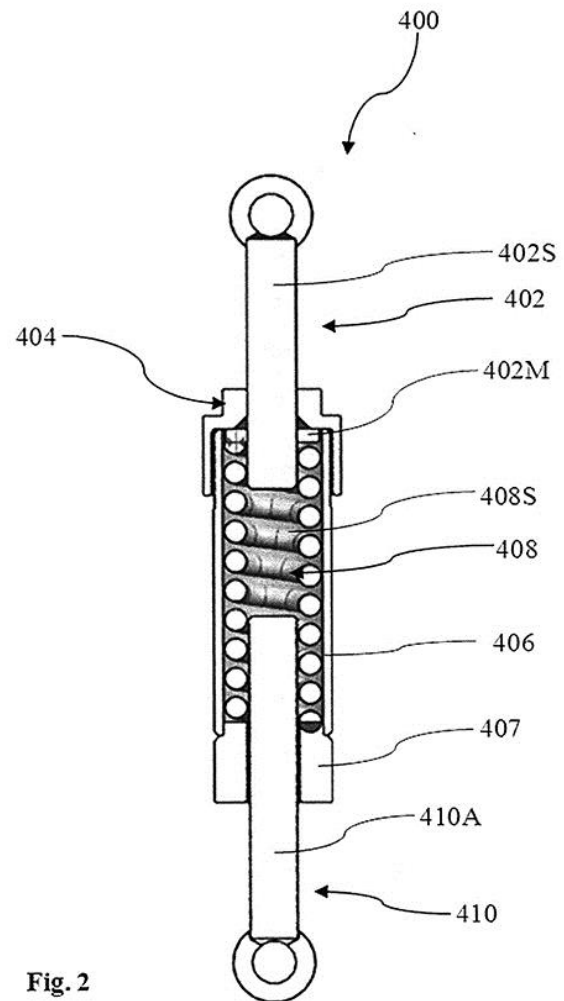


Fig. 2

[Consulter le mémoire](#)

(11) **20503**

(51) B62D 49/00 (2018.01)

(21) **1202100121 - PCT/IN2019/050664**

(22) 12/09/2019

(30) **IN n° 201811034458 du 12/09/2018**(54) **An agricultural vehicle with adjustable ground clearance and a method thereof.**

(72) TIGHARE, Avinash (IN) et SINGH, Vikas (IN)

(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited**, Farm Equipment Sector, Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American**

Embassy, Entrance-Saint John Paul II Boulevard, P.O. Box 8211, YAOUNDE (CM).

(57)

An agricultural vehicle V with adjustable ground clearance and a method 70 thereof is provided. The agricultural vehicle V includes a vehicular structure C, a pair of front wheels FW, a pair of rear wheels RW, at least one front axle, at least one rear axle, a pair of final drive housings FH, a plurality of locking elements LP and an extension arrangement E. The vehicular structure C is configured to be moved between at least one lowered position in which each final drive housing FH is locked to the vehicular structure C at corresponding first locking positions, and at least one raised position in which each final drive housing FH is locked to the vehicular structure C at corresponding second locking positions. The extension arrangement E adapted to be coupled between corresponding front wheels FW and a front axle when vehicular structure C is at the raised position.

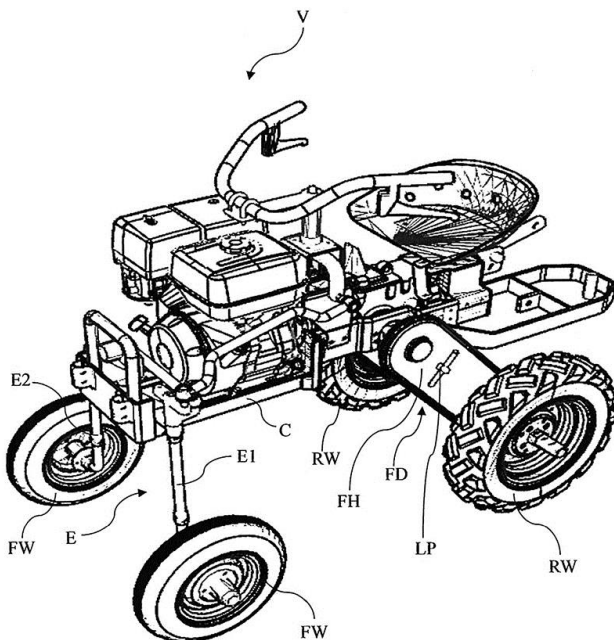


Fig. 1

[Consulter le mémoire](#)

(11) **20504**

(51) A01B 63/112 (2018.01)

(21) **1202100122 - PCT/IN2019/050666**

(22) 12/09/2019

(30) **IN n° 201811034474 du 12/09/2018**

(54) **Position and draft control mechanism for an implement coupled to vehicle hitch.**

(72) SINGH, Vikas (IN)

(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited**, Farm Equipment Sector, Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).**

(57)

Position and draft control mechanism 30 for an implement coupled to vehicle hitch 50 is provided. Position and draft control mechanism 30 includes a position control mechanism 300 and a draft control mechanism 400. The position control mechanism 300 includes a position control lever assembly 302, a locking arrangement 304, a linkage mechanism 306, a locking member position control mechanism and a resilient member 304R. The draft control mechanism 400 includes a sliding assembly 402, a first end cover 404, a housing 406, a second end cover 407, a resilient and shock absorber arrangement 408 and an adjustable assembly 410. A movement of position control lever assembly 302 induces a change in position of the implement. The locking arrangement 304 is adapted to lock position control lever assembly 302 at at least one of a plurality of positions. The draft control mechanism 400 is adapted to vary draft of implement coupled to an implement mounting structure 50 of vehicle.

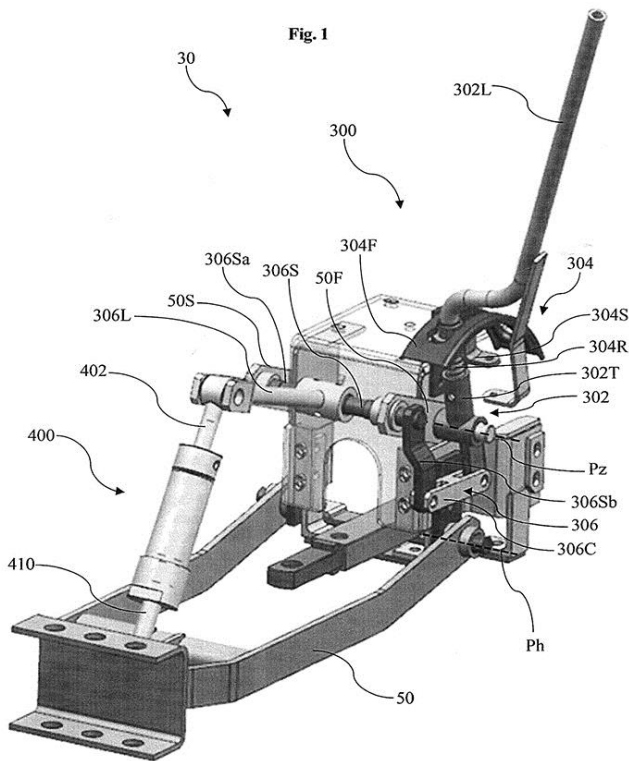


Fig. 1

[Consulter le mémoire](#)

(11) **20505**

(51) B62D 49/00 (2018.01)

(21) 1202100123 - PCT/IN2019/050665

(22) 12/09/2019

(30) IN n° 201811034459 du 12/09/2018

(54) **Front bumper assembly for mounting a seat and ballast means and add-on structure in vehicle.**

(72) TIGHARE, Avinash (IN) et SINGH, Vikas (IN)

(73) **Mahindra & Mahindra Limited, Mahindra & Mahindra Limited**, Farm Equipment Sector, Swaraj Division, Phase IV, Industrial Area, S.A.S. NAGAR (MOHALI), Punjab 160055 (IN)

(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American**

Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).

(57)

Front bumper assembly 200 for mounting a seat and ballast means and add-on structure in vehicle is provided. Front bumper assembly 200 includes a bumper frame 202, a mounting member 204 and a plurality of reinforcement members 206. The bumper frame 202 includes a base frame 202B and a plurality of legs 202L. The front bumper assembly 200 is removably connected to a vehicular structure C at a first position in which each leg 202L of the bumper frame 202 is horizontally connected to the vehicular structure C, and a second position in which each leg 202L of the bumper frame 202 is vertically connected to the vehicular structure C. The front bumper assembly 200 is adapted to removably receive at least one of an operator's seat S, a ballast means and an add-on structure when the front bumper assembly 200 is in the second position.

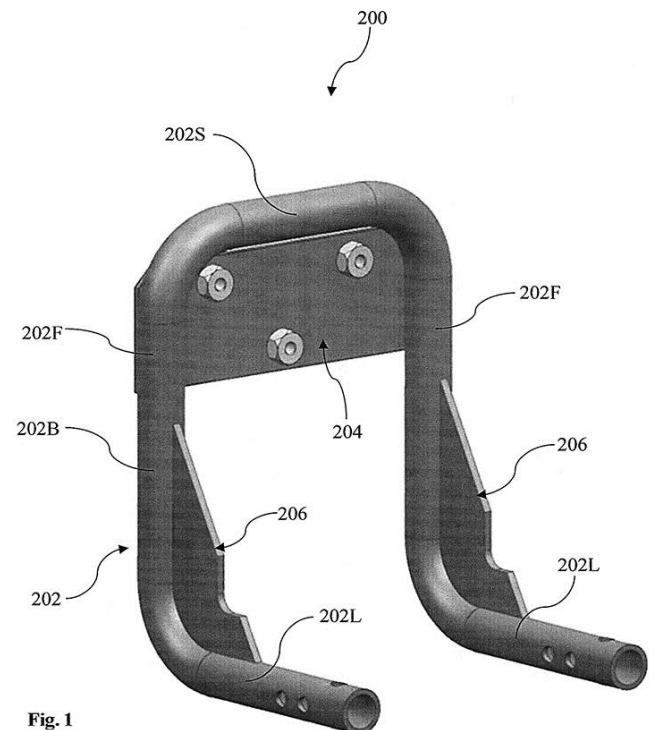


Fig. 1

Fig. 1

[Consulter le mémoire](#)

(11) **20506**

(51) H04W 72/04 (2018.01)

(21) **1202100135 - PCT/JP2018/035220**

(22) 21/09/2018

(54) **User equipment and radio communication method.**

(72) TAKEDA, Kazuki (JP);

NAGATA, Satoshi (JP);

WANG, Lihui (CN) et

HOU, Xiaolin (CN)

(73) **NTT DOCOMO, INC.**, 11-1, Nagatacho 2-chome, Chiyoda-ku, TOKYO 1006150 (JP)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).**

(57)

In order to appropriately control reception of downlink control information, a user terminal according to one aspect of the present disclosure includes: a receiving section that receives one or more pieces of downlink control information for different applications in a given cell; and a control section that stores the downlink control information thus received so that the number of pieces of downlink control information for a given application among the received downlink control information does not exceed a given number.

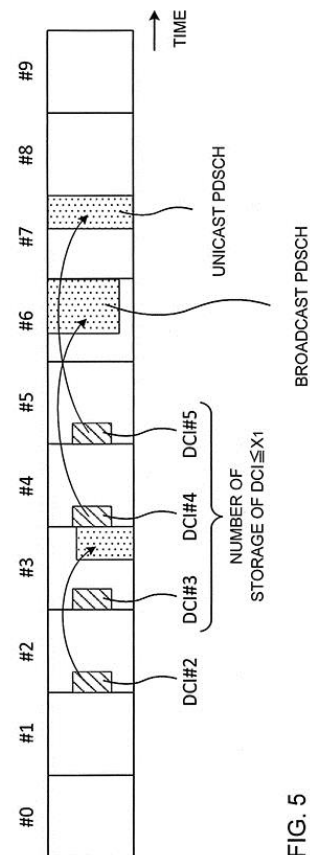


FIG. 5

[Consulter le mémoire](#)(11) **20507**

(51) E21B 33/03 (2018.01);

E21B 41/00 (2018.01);

E21B 41/04 (2018.01);

E21B 47/10 (2018.01)

(21) **1202100250 - PCT/EP2019/083819**

(22) 05/12/2019

(30) **EP n° 18306630.7 du 06/12/2018**(54) **A subsea well intervention method.**

(72) CAMUS, Mathieu (FR);

BLANCKAERT, Thibault (FR) et

MALANDA, Johnsen (FR)

(73) **TotalEnergies SE**, La Défense 6, 2 Place Jean Millier, 92400 COURBEVOIE (FR)(74) **SPOOR & FISHER Inc. NGWAFOR & PARTNERS Sarl, The House of Gideon, Golf/Bastos Quarters, Opposite The American Embassy, Entrance-Saint John Paul II Boulevard, B.P. 8211, YAOUNDE (CM).**

(57)

A subsea well intervention method implemented on a well (200) from a floating vessel (100), said floating vessel not comprising a derrick, the

method comprising a step of connecting a power line (207) directly between a remotely operated vehicle (206) and the blowout preventer module (202) for powering the blowout preventer module, the remotely operated vehicle (206) being connected to a control unit (107) located on the floating vessel via a remotely operated vehicle umbilical (106).

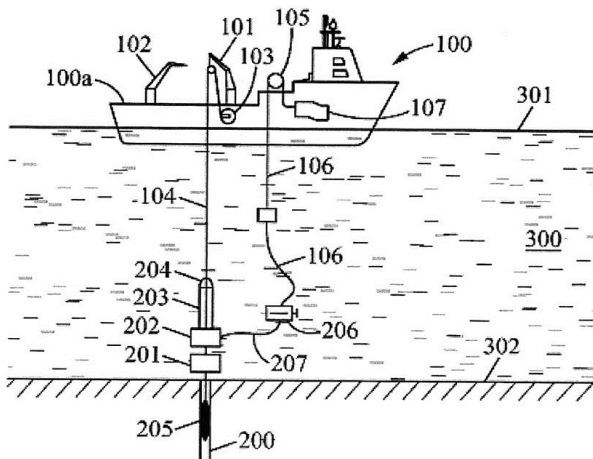


Fig. 1

[Consulter le mémoire](#)

(11) 20508

(51) H04W 12/02 (2018.01)

(21) 1202100258 - PCT/EP2020/051408

(22) 21/01/2020

(30) US n° 62/794940 du 21/01/2019

(54) **Methods for providing regulation compliant privacy and related apparatuses.**

(72) NAKARMI, Prajwol, Kumar (SE) et VAHIDI MAZINANI (SE)

(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83 STOCKHOLM (SE)

(74) Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).

(57)

A method of operating a network device in a serving network for providing regulation compliant privacy in a communications network is provided. Operations of such methods include obtaining (500) a concealed subscription identifier from a user equipment, UE, that is associated with a home network, HN, obtaining (504) a permanent

subscription identifier that is associated with the concealed subscription identifier from the HN, determining (506) whether the concealed subscription identifier from the UE corresponds to the permanent subscription identifier from the HN, and responsive to determining that the concealed subscription identifier from the UE corresponds to the permanent subscription identifier from the HN, performing (508) further operations to provide service to the UE.

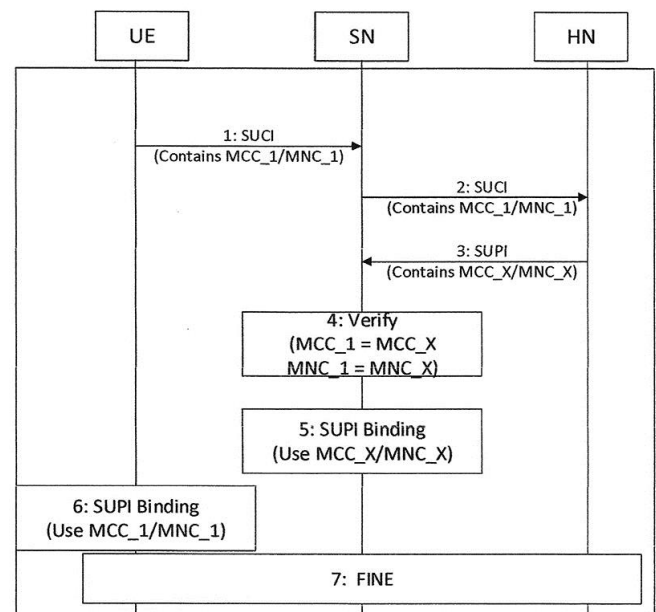


Fig. 4

[Consulter le mémoire](#)

(11) 20509

(51) G06K 19/00 (2018.01);
 G06K 19/06 (2018.01);
 G06Q 50/00 (2018.01);
 G16H 20/00 (2018.01);
 G16H 20/10 (2018.01)

(21) 1202100294 - PCT/US2019/068702

(22) 27/12/2019

(30) US n° 16/233,173 du 27/12/2018

(54) **System and method for the verification of medication.**

(72) WOODYEAR, John (US)

(73) WOODYEAR, John, 507 North Main Street, TROY, North Carolina 27371 (US)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Systems and methods for verifying proper possession of a medication are disclosed. A reader device scans a code printed on the medication to extract an embedded serial number. The reader device captures biometric information of a person in possession of the medication. A first server queries a prescription database, which retrieves biometric characteristic data associated with the embedded serial number. A determination is made if the retrieved biometric characteristic data matches biometric characteristic data. The match information is displayed on the reader device.

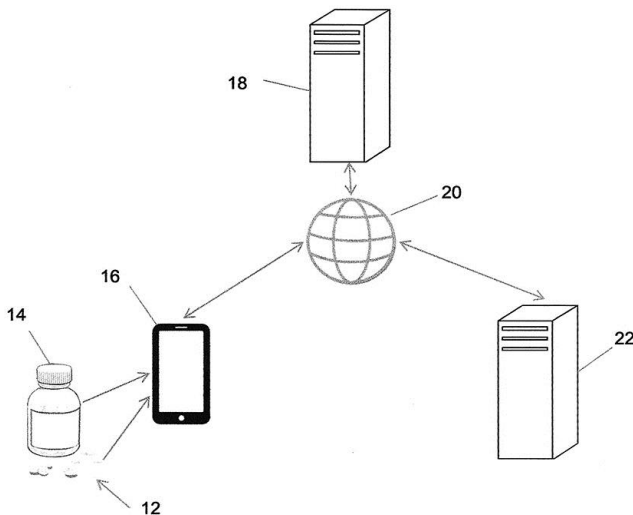


Fig. 1

[Consulter le mémoire](#)

(11) **20510**

(51) A01G 13/00 (2018.01);
A01G 13/02 (2018.01);
A01G 9/14 (2018.01);
C08J 5/18 (2018.01)

(21) **1202100311 - PCT/US2020/015893**

(22) 30/01/2020

(30) **US n° 62/798,917 du 30/01/2019**

(54) **Reflective-stripped mulch and methods of using.**

(72) AGEHARA, Shinsuke (US) et
WHITAKER, Vance M. (US)

(73) **UNIVERSITY OF FLORIDA RESEARCH FOUNDATION INC,** 223 Grinter Hall, GAINESVILLE, Florida 32611 (US)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

In one aspect, the disclosure relates to a reflective-stripped mulch film comprising a central portion comprising a reflective material and peripheral portions adjacent the first and second side edges of the central portion comprising black mulch. When used in the production of a crop, the reflective-stripped mulch film can provide a lower soil temperature during establishment of a plant, as compared to a black mulch. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present disclosure.

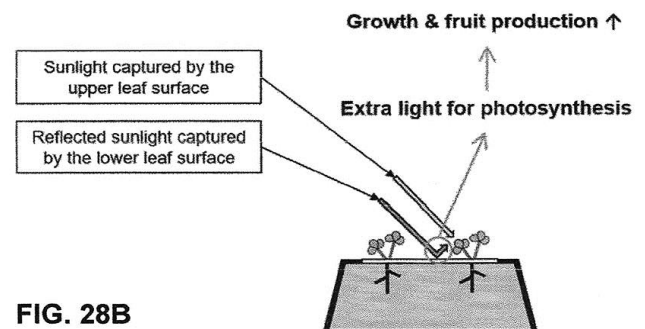


FIG. 28B

[Consulter le mémoire](#)

(11) **20511**

(51) B65D 75/32 (2018.01)

(21) **1202100367 - PCT/EP2020/053624**

(22) 12/02/2020

(30) **EP n° 19156838,5 du 13/02/2019**

(54) **Child-resistant packaging.**

(72) WÖTZER, Philipp (CH)

(73) **IDEEWISS AG,** Bösch 69, 6331 HÜNENBERG (CH)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Child-resistant packaging (1), which comprises at least one blister card (10), known per se, with a carrier film (20) and a cover film (30), wherein the carrier film (20) forms, with at least one blister

cavity (25) for receiving a packing product (40), a top side (11) of the blister card (10), and the cover film (30) is connected extensively to the carrier film (20), closes the blister cavity (25) filled with the packing product (40), and forms an underside (12), located opposite the top side (11), of the blister card (10). At least one backing card (50) is fastened in a movable manner at two opposite side edges (15, 16) or peripheral portions (17, 18) of the blister card (10), said backing card (50) resting in a planar manner against the underside (12) of the blister card (10) in a securing position (70) and in the process securing the enclosed packing product (40) against unintentional removal, wherein the backing card (50) is transferable reversibly from the securing position (70) into a removal position (80) by means of external force application (90) by mirror-inverted compression (91, 92) of two mutually opposite packaging portions (5, 6), wherein, during the external force application (90), the backing card (50) is spaced apart from the underside (12) of the blister card (10), forming a packaging interior (100), and the packing product (40) can be released into and removed from the packaging interior (100) by pushing through (35) the cover film (30).

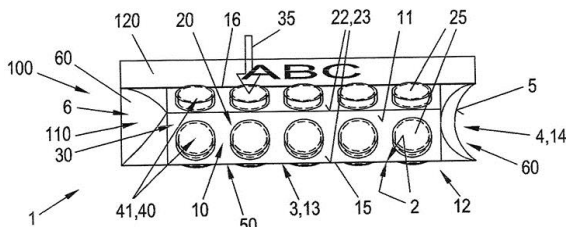


Fig. 1

[Consulter le mémoire](#)

(11) **20512**

(51) C04B 28/02 (2018.01)

(21) **1202100387 - PCT/EP2020/054878**

(22) 25/02/2020

(30) **FR n° 1901879 du 25/02/2019**

(54) **Method for grinding a hydraulic binder.**

(72) OYTUN YAZAN, Hüseyin (FR);

GUILLOT, Laurent (FR) et

BOUSTINGORRY, Pascal (FR)

(73) **CHRYSO**, 19 Place de la Résistance, 92440

ISSY LES MOULINEAUX (FR)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

The application concerns a method for grinding a hydraulic binder, comprising:

a) introducing:

- a hydraulic binder, and

- a composition B comprising at least one grinding aid B into the first chamber (12) of a horizontal grinder (11) comprising several chambers (12, 14), including a first chamber (12) and a last chamber (14), each chamber (12) being separated from the adjacent chamber (14) by a diaphragm (17),

whereby a composition p comprising the hydraulic binder and composition B is obtained in the first chamber (12),

b) grinding composition p in the horizontal grinder (11), whereby composition B moves from

the first chamber (12) to the last chamber (14) and a ground composition C is obtained at the outlet of the last chamber (14), characterised in that, at the grinding step, it comprises introducing into the last chamber (14) a composition A comprising at least one grinding aid A comprising an aminoalcohol, and the grinding unit intended for implementing same.

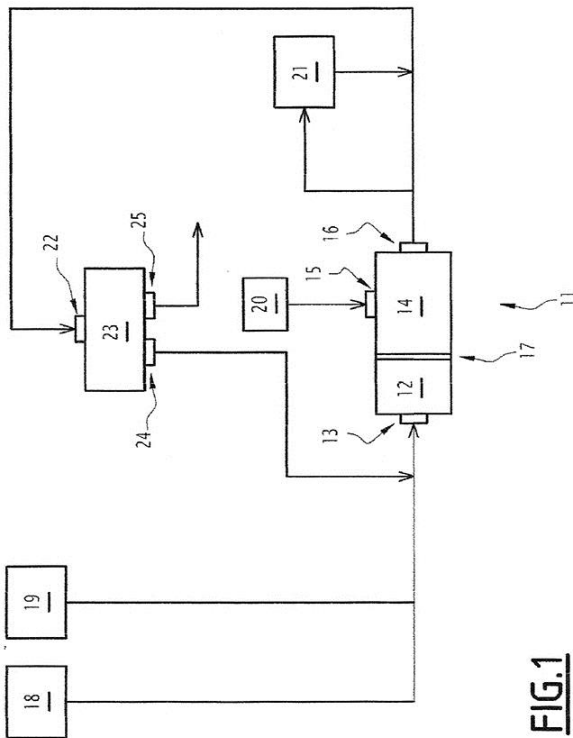


Fig. 1

[Consulter le mémoire](#)

(11) **20513**

- (51) G02B 27/01 (2018.01); G02C 7/04 (2018.01)
- (21) **1202100392 - PCT/EP2019/057621**
- (22) 26/03/2019
- (54) **A contact lens system.**
- (72) HUNT, Alexander (SE) et CALTENCO, Hector (SE)
- (73) **TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)**, 164 83 STOCKHOLM (SE)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

A contact lens system (110) for placing in an eye for augmented reality systems is disclosed. The contact lens system (110) comprises a display (111) comprising a matrix of display elements; a driver unit (112) configured to receive data from a host (120) and to present the data on the display (111) and a set of sensors (113) integrated on the display (111) for measuring pupil size. The driver unit (112) is further configured to read outputs from the set of sensors to determine the pupil size and adjust a size of an active area of the display.

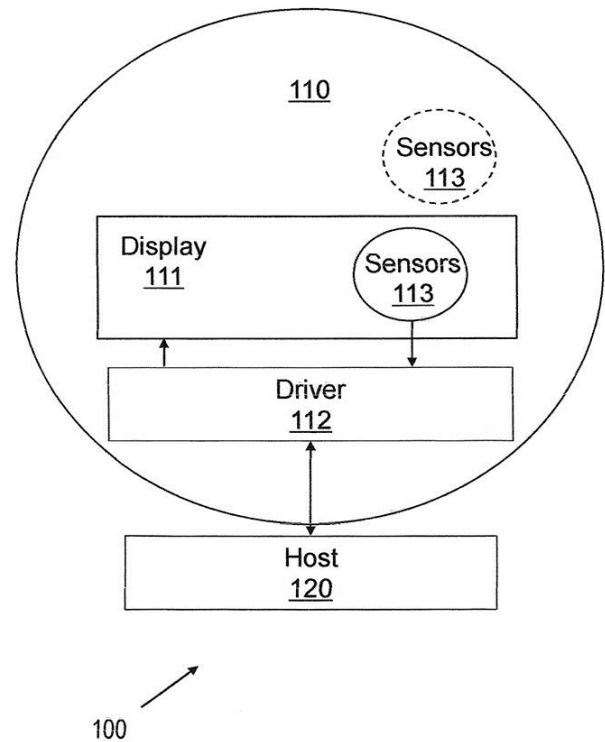


Fig. 1

[Consulter le mémoire](#)

(11) **20514**

- (51) H04L 1/18 (2018.01)
- (21) **1202100441 - PCT/IB2019/060371**
- (22) 02/12/2019
- (30) **US n° 62/836,228 du 19/04/2019**
- (54) **Setting HARQ timing for PDSCH with pending PDSCH-to-HARQ-timing-indicator.**

(72) RUNE, Johan (SE);
 FALAHATI, Sorour (SE);
 KARAKI, Reem (DE) et
 LIU, Yuhang (SE)

(73) **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)**, SE-164 83 STOCKHOLM (SE)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM)**.

(57)

Methods and systems for setting Hybrid Automatic Repeat Request (HARQ) timing for Physical Downlink Shared Channel (PDSCH) with a pending PDSCH-to-HARQ-timing-indicator (PHTI) are provided. In one aspect, a method performed by a wireless device comprises: receiving a first Downlink Control Information (DCI) associated with a first Downlink (DL) data transmission, the first DCI comprising a non-numerical PHTI; receiving the first DL data transmission; determining a HARQ feedback for the first DL data transmission; receiving a second DCI associated with a second DL data transmission, the second DCI comprising a numerical PHTI indicating a location for HARQ feedback associated with the second DL data transmission; setting the location of HARQ feedback associated with the first DL data transmission to be the same as the location of HARQ feedback associated with the second DL data transmission; and transmitting the HARQ feedback associated with the first DL data transmission at the set location.

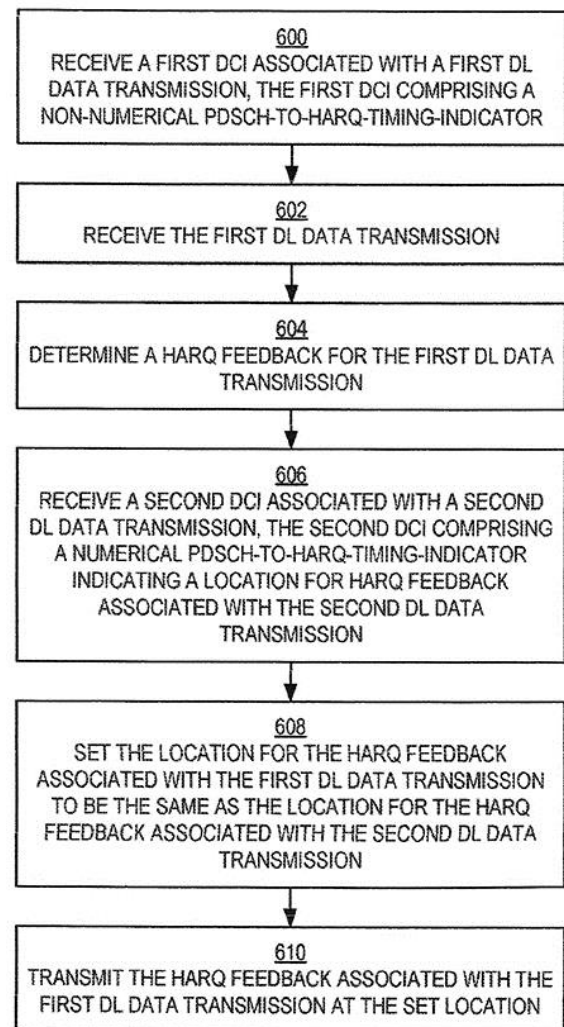


Fig. 6

[Consulter le mémoire](#)

(11) **20515**

(51) H04W 24/08 (2018.01)

(21) **1202100449 - PCT/CN2020/087786**

(22) 29/04/2020

(30) **CN n° PCT/CN2019/085329 du 30/04/2019**

(54) **Methods and apparatuses for configuration of monitoring for terminal device.**

(72) MERINO VAZQUEZ, Emiliano (ES);
 GAN, Juying (CN);
 XU, Wenliang (CN) et
 WASS, Mikael (SE)

(73) **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)**, SE-164 83 STOCKHOLM (SE)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Methods and apparatuses for configuration of monitoring for terminal device are disclosed. According to an embodiment, a subscriber management node determines multiple first parameters which are provided from one or more servers and indicate requirements for monitoring a same terminal device. The subscriber management node determines, based on the multiple first parameters, a second parameter which is to be applied to the same terminal device to satisfy the requirements indicated by the multiple first parameters.

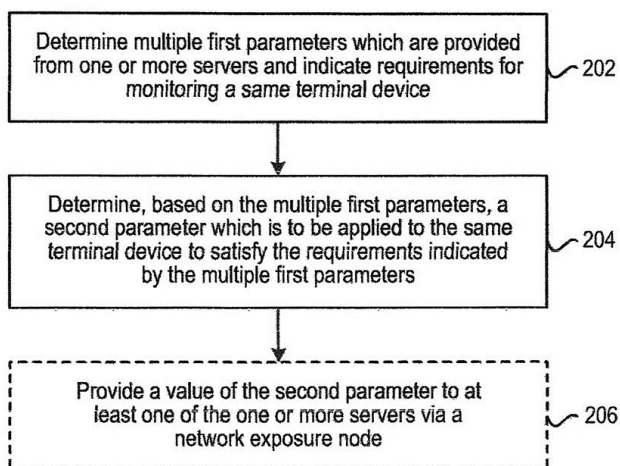


Fig. 2

[Consulter le mémoire](#)

(11) **20516**

(51) B60W 40/09 (2018.01)

(21) **1202100450 - PCT/JP2020/015102**

(22) 01/04/2020

(30) **JP n° PCT/JP2019/014557 du 01/04/2019**

(54) **Personality analyzing method, personality analyzing device, data processing method employing personality data, and data processing device employing personality data.**

(72) MORISHIMA, Keisuke (JP);

ISOBE, Kensaku (JP);

NAKAO, Hiroshi (JP);

UMEZAWA, Yusuke (JP) et

KIMURA, Hiroaki (JP)

(73) **YAMAHA HATSUDOKI KABUSHIKI KAISHA**, 2500, Shingai, Iwata-shi, SHIZUOKA 4388501 (JP)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Provided is a personality analyzing method capable of acquiring personality data with enhanced design flexibility of hardware resources. The personality analyzing method includes: acquiring personality conversion data generated by associating personality data with learning-vehicle-traveling data, based on data-conversion-learning-vehicle-traveling data related to traveling data of data-conversion-learning vehicles obtained when a plurality of drivers drives the data-conversion-learning vehicles; acquiring analysis-learning-vehicle-traveling data related to traveling data of an analysis leaning vehicle obtained when an analysis target drives the analysis leaning vehicle; converting the analysis-learning-vehicle-traveling data to converted personality data related to personality of the analysis target by using the personality conversion data; and generating and outputting personality data to be output by using the converted personality data after conversion.

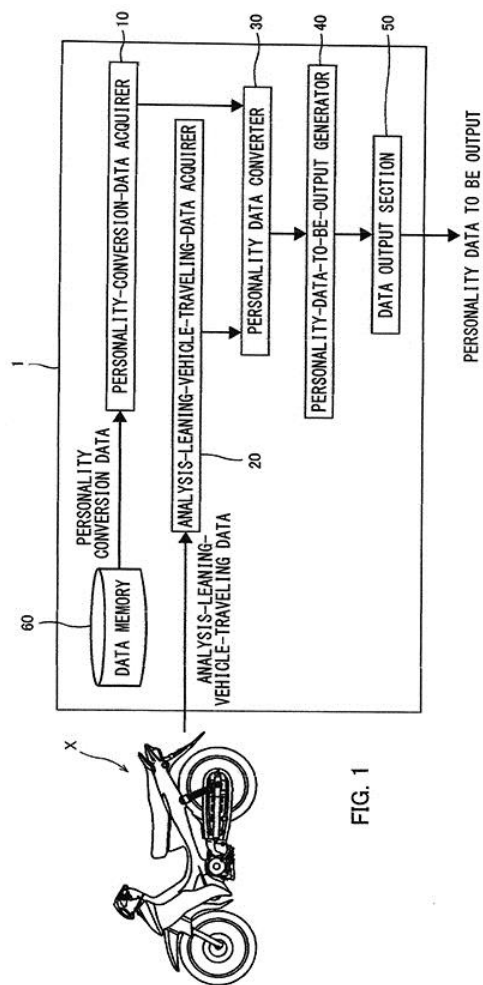


FIG. 1

[Consulter le mémoire](#)

(11) **20517**

(51) B60W 40/09 (2018.01)

(21) **1202100451 - PCT/JP2020/015118**

(22) 01/04/2020

(30) **JP n° PCT/JP2019/014559 du 01/04/2019**

(54) **Leaning-vehicle-traveling-data-analysis method, leaning-vehicle-traveling-data-analysis device, data processing method using analysis data, and data processing device using analysis data.**

(72) MORISHIMA, Keisuke (JP);
 ISOBE, Kensaku (JP);
 NAKAO, Hiroshi (JP);

UMEZAWA, Yusuke (JP) et

KIMURA, Hiroaki (JP)

(73) **YAMAHA HATSUDOKI KABUSHIKI KAISHA**, 2500, Shingai, Iwata-shi, SHIZUOKA 4388501 (JP)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Provided is a leaning-vehicle-traveling-data-analysis method for outputting analysis data of a leaning vehicle with enhanced design flexibility of hardware resources. A leaning-vehicle-traveling-data-analysis method includes: acquiring leaning-vehicle-traveling-reference data generated based on reference-generation-leaning-vehicle-traveling data including leaning-vehicle-traveling data of a leaning vehicle in a state where a passenger and/or a load is mounted; acquiring analysis-leaning-vehicle-traveling data including leaning-vehicle-traveling data in a state where a passenger and/or a load is mounted; and acquiring analysis data of an analysis target by analyzing the acquired analysis-leaning-vehicle-traveling data based on the acquired leaning-vehicle-traveling-reference data.

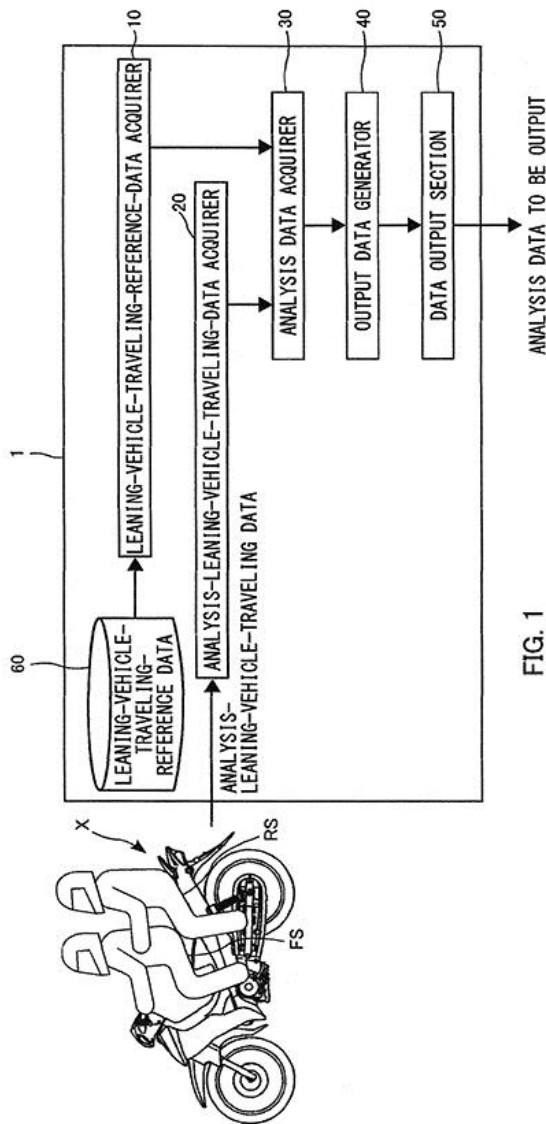


FIG. 1

Fig. 1

[Consulter le mémoire](#)

(11) **20518**

(51) B60W 40/09 (2018.01)

(21) **1202100452 - PCT/JP2020/015089**

(22) 01/04/2020

(30) **JP n° PCT/JP2019/014560 du 01/04/2019**

(54) **Customer-sense-of-value-analysis method, customer-sense-of-value-analysis device, data processing method using sense-**

of-value data, and data processing device using sense-of-value data.

(72) MORISHIMA, Keisuke (JP);
 ISOBE, Kensaku (JP);
 NAKAO, Hiroshi (JP);
 UMEZAWA, Yusuke (JP) et
 KIMURA, Hiroaki (JP)

(73) **YAMAHA HATSUDOKI KABUSHIKI KAISHA**, 2500, Shingai, Iwata-shi, SHIZUOKA, 4388501 (JP)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Provided is a customer-sense-of-value-analysis method capable of acquiring sense-of-value data, while ensuring design flexibility of hardware resources of a data processing device. The customer-sense-of-value-analysis method includes: a sense-of-value-conversion-data-acquiring step of acquiring sense-of-value-conversion-data which associates leaning-vehicle-traveling data, evaluation data of a customer and sense-of-value data of the customer; a step of acquiring analysis-leaning-vehicle-traveling data and analysis evaluation data, and a step of converting the acquired analysis-leaning-vehicle-traveling data and the acquired analysis evaluation data to sense-of-value data of a customer. Leaning-vehicle-traveling data for sense-of-value-conversion data and evaluation data of a customer are used to acquire, as the sense-of-value-conversion data, data in which the leaning-vehicle-traveling data, the evaluation data of the customer and sense-of-value data of the customer are associated. The acquired analysis-leaning-vehicle-traveling data and the acquired analysis evaluation data are converted to the sense-of-value data by using the acquired sense-of-value-conversion data.

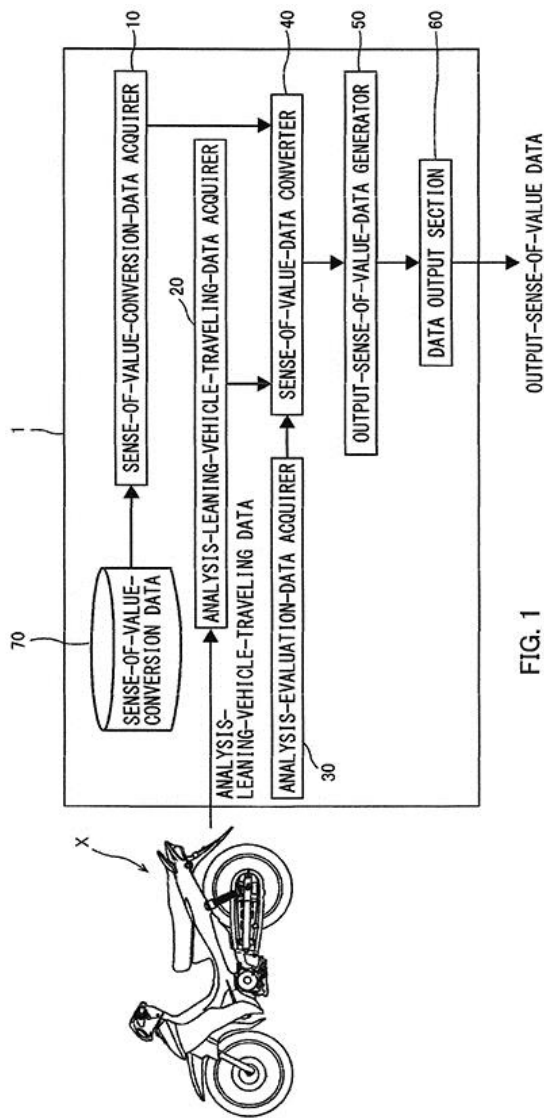


Fig. 1

[Consulter le mémoire](#)

(11) **20519**

(51) B60W 40/09 (2018.01)

(21) **1202100453 - PCT/JP2020/015091**

(22) 01/04/2020

(30) **JP n° PCT/JP2019/014558 du 01/04/2019**

(54) **Leaning-vehicle-traveling-data-analysis method, leaning-vehicle-traveling-data-analysis device, data processing method**

using analysis data, and data processing device using analysis data.

(72) MORISHIMA, Keisuke (JP);
 ISOBE, Kensaku (JP);
 NAKAO, Hiroshi (JP);
 UMEZAWA, Yusuke (JP) et
 KIMURA, Hiroaki (JP)

(73) **YAMAHA HATSUDOKI KABUSHIKI KAISHA**, 2500 Shingai, Iwata-shi, SHIZUOKA 4388501 (JP)

(74) **Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).**

(57)

Provided is a leaning-vehicle-traveling-data-analysis method capable of outputting analysis data specific to a leaning vehicle based on traveling data of the leaning vehicle with enhanced design flexibility of hardware resources. The leaning-vehicle-traveling-data-analysis method includes: a leaning-vehicle-traveling-reference-data-acquiring step of acquiring leaning-vehicle-traveling-reference data; an analysis-leaning-vehicle-traveling-data-acquiring step of acquiring analysis-leaning-vehicle-traveling data; and an analysis-data-acquiring step of acquiring analysis data. The leaning-vehicle-traveling-reference data is generated based on reference-generation-leaning-vehicle-traveling data including a larger amount of traveling data of leaning vehicles traveling on a public road in an intermediate density range than the amount of traveling data of leaning vehicles traveling on the public road in a low density range and a high density range. The analysis-leaning-vehicle-traveling data includes analysis-traveling-density-related data related to the density of analysis-target-leaning vehicles when an analysis-target-leaning vehicle is driven by an analysis target and travels on a public road.

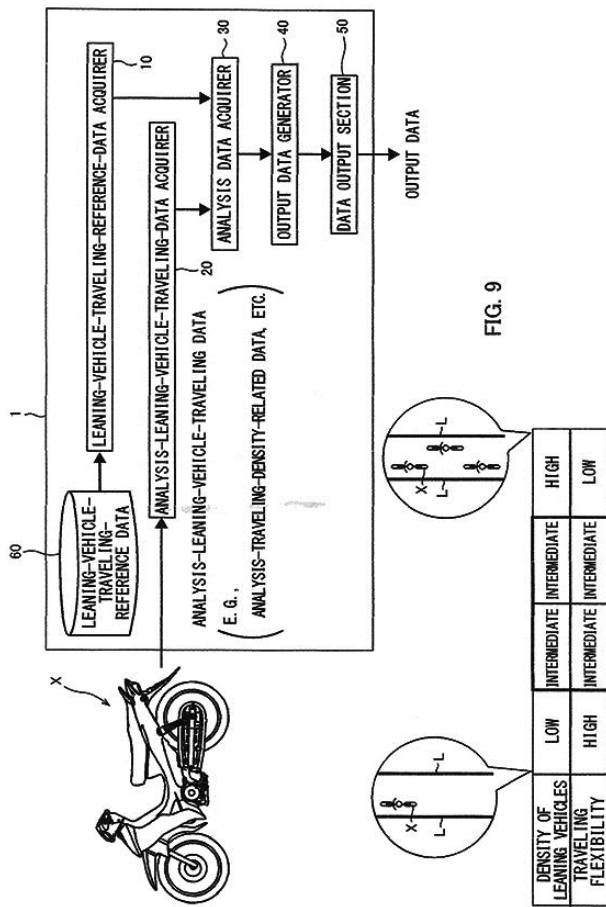


Fig. 9

[Consulter le mémoire](#)

(11) **20520**

- (51) D01D 5/04 (2018.01);
D01D 5/08 (2018.01);
D04H 3/016 (2018.01);
D04H 3/16 (2018.01)

(21) **1202100481 - PCT/JP2020/012549**

(22) 19/03/2021

(30) **JP n° 2019-051961 du 19/03/2019**

(54) **Production method for nanofiber aggregates, production apparatus for nanofiber aggregates, and nanofiber aggregates.**

(72) SOTA, Hiroyoshi (JP)

(73) **M-TECHX INC.**, 25-9, Shinkawa 1-chome, Chuo-ku, TOKYO 1400033 (JP)

(74) **S.C.P AKKUM, AKKUM & Associates**, Quartier Mballa II, Dragages, B.P. 4966, YAOUNDE (CM)

(57)

To provide a production method for nanofiber aggregates having high oil absorption capacity and oil retention capacity, a production apparatus for the nanofiber aggregates, and nanofiber aggregates having high oil absorption capacity. [Solution] The present invention pertains to a production method and production apparatus for nanofiber aggregates produced and stretched into a fine-diameter fibrous shape by spraying a high-temperature, high-pressure gas from gas discharge ports into a polymer solution discharged from a solution discharge port. The nanofiber aggregates are collected into fine-diameter fibers in a high-temperature, high-pressure gas wind force by discharging secondary high-pressure air from high-pressure air blowing discharge ports in an intersecting pattern into a nanofiber flow during production and stretching. Further provided, as an effect, are nanofiber aggregates: having the characteristic that the distribution of fiber diameters thicker than the central fiber diameter and the distribution of fiber diameters thinner than the central fiber diameter are equal or better; and having excellent oil absorption capacity and oil retention capacity.

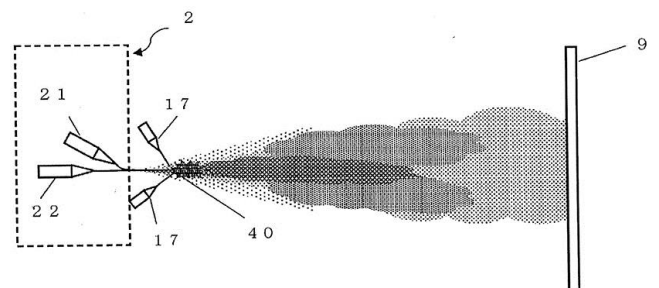


Fig. 1

[Consulter le mémoire](#)

(11) **20521**

- (51) H04W 52/14 (2018.01);
H04W 52/28 (2018.01);
H04W 52/34 (2018.01)

(21) **1202100496 - PCT/SE2020/050427**

(22) 28/04/2020

(30) **US n° 62/842,392 du 02/05/2019**

(54) **Transmit power allocation technique.**

(72) BLANKENSHIP, Yufei (US);

HARRISON, Robert Mark (US) et
LIN, Zhipeng (CN)

Fig. 4

(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM (SE)

(74) Cabinet BONNY & Associés, LAW FIRM, B.P. 869, YAOUNDE (CM).

(57)

A technique for allocating transmit power for uplink, UL, radio transmission is described. As to a method aspect, a method of allocating transmit power for at least two UL transmissions on one or more cells (302, 304) of a radio access network, RAN, is provided. The method comprises or initiates the step of allocating (202) the transmit power for the UL transmissions. A total transmit power resulting from the allocation is less than or equal to a maximum transmit power by allocating the transmit power to the UL transmissions according to a priority order of the UL transmissions. At least one UL transmission of a low-latency communication is prioritized over at least one UL transmission of a regular communication according to the priority order.

[Consulter le mémoire](#)

(11) **20522**

(51) A01K 31/19 (2018.01)

(21) 1202100532

(22) 24/11/2021

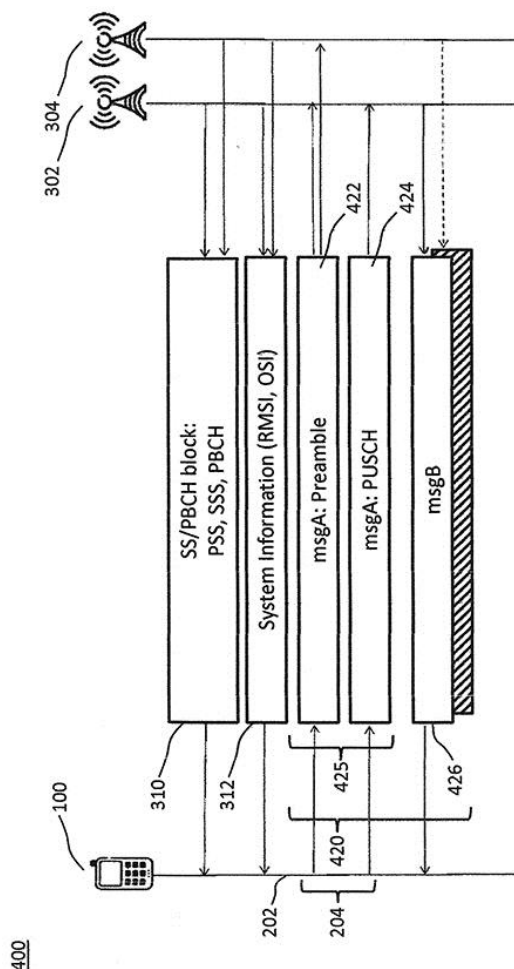
(54) **Dispositif d'incubation des œufs pour volailles (couveuse).**

(72) SATANANG NOUBISSI Roussel Douglas (CM)

(73) **SATANANG NOUBISSI Roussel Douglas**, S/C B.P. 13283, (GUIMO FONEPI STEVE), YAOUNDE (CM)

(57)

La présente invention se rapporte à un dispositif d'incubation des œufs pour volailles. Il comprend principalement une porte avec un ou deux battants, d'un poignet, des vis de blocage de la porte, un ordinateur de bord, une vitre d'observation, un modulaire d'allumage qui permet d'éclairer l'enseigne du dispositif, un orifice de ventilation et des trous d'aération. Il utilise un système automatique de renouvellement permanent de l'air pour favoriser un rendement optimal de la qualité et de la quantité des poussins produits. En raison d'un module spécifique, cet incubateur est capable de résister aux fluctuations et aux coupures intempestives du courant électrique récurrentes dans plusieurs pays africains. Par ailleurs, sa coque solide est un atout qui lui confère une robustesse et une résistance aux chocs potentiels de transport et d'utilisation. Cet incubateur est fortement



recommandé aux éleveurs de volailles en raison de tous les atouts susmentionnés et à son coût d'achat abordable et accessible.

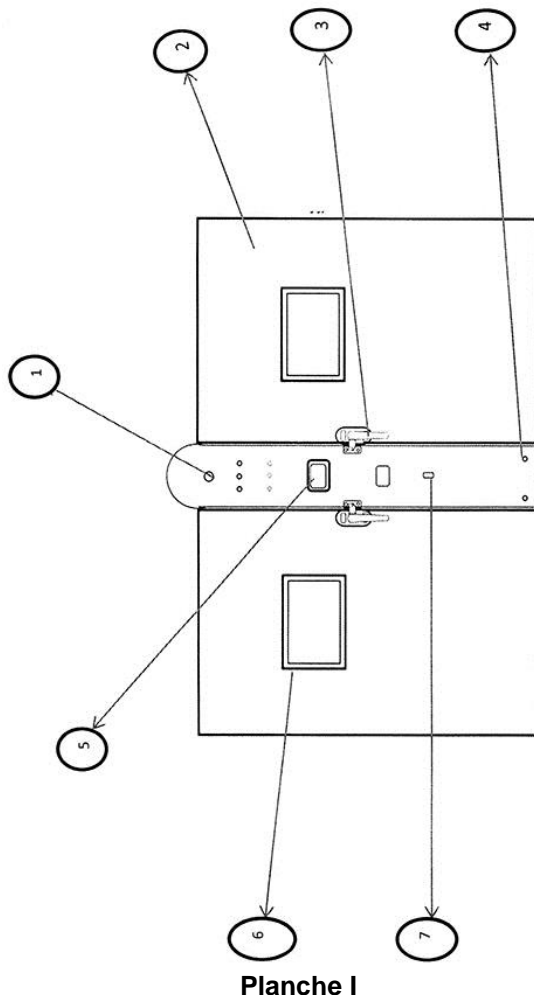


Figure 1 : Vue de face de l'incubateur des œufs pour volaille

[Consulter le mémoire](#)

(11) **20523**

(51) G06Q 50/06 (2018.01);
H02J 3/38 (2018.01);
H02J 7/34 (2018.01)

(21) **1202100533 - PCT/US2020/023189**

(22) 17/03/2020

(30) **US n° 62/856,210 du 03/06/2019**

(54) **Control of off-grid energy systems.**

(72) NAEEM, Farhan (US);
BHATTACHARYA, Abhijit (US);
FREDERICK, Emma (US);
SFEZ, Arthur (US) et
TIMMINS, Andrew (US)

(73) **ENGIE MOBISOL GMBH**, Skalitzer Str. 85-86, Aufgang C, BERLIN 10997 (DE)

(74) **S.C.P AKKUM, AKKUM & Associates**, Quartier Mballa II, Dragages, B.P. 4966, YAOUNDE (CM)

(57)

A method for controlling an off-grid energy system. The off-grid energy system includes a gateway energy device and an expansion energy device. The gateway energy device comprising a gateway energy device, the gateway energy device comprising a first energy source, a first battery for storing energy from the first energy source, a first power output for outputting energy from the first battery, a first output lock for controlling the first power output, and a first radiofrequency (RF) transceiver. The expansion energy device comprising a second energy source, a second battery for storing energy from the second energy source, a second power output for outputting energy from the second battery, a second output lock for controlling the second power output, and a second RF transceiver for communicating with the first RF transceiver of the gateway energy device. The method includes the following steps: receiving a financial account status of the system from a financial account server; locking or unlocking the first power output of the gateway energy device responsive to the received financial account status; connecting with the at least one expansion energy device; sending instructions to operate or lock the at least one expansion energy device based on the received financial account status of the system; locking or unlocking the second power output of the at least one expansion energy device responsive to the received financial account status; and conserving power by limiting communications with the at least one expansion energy device during certain periods.

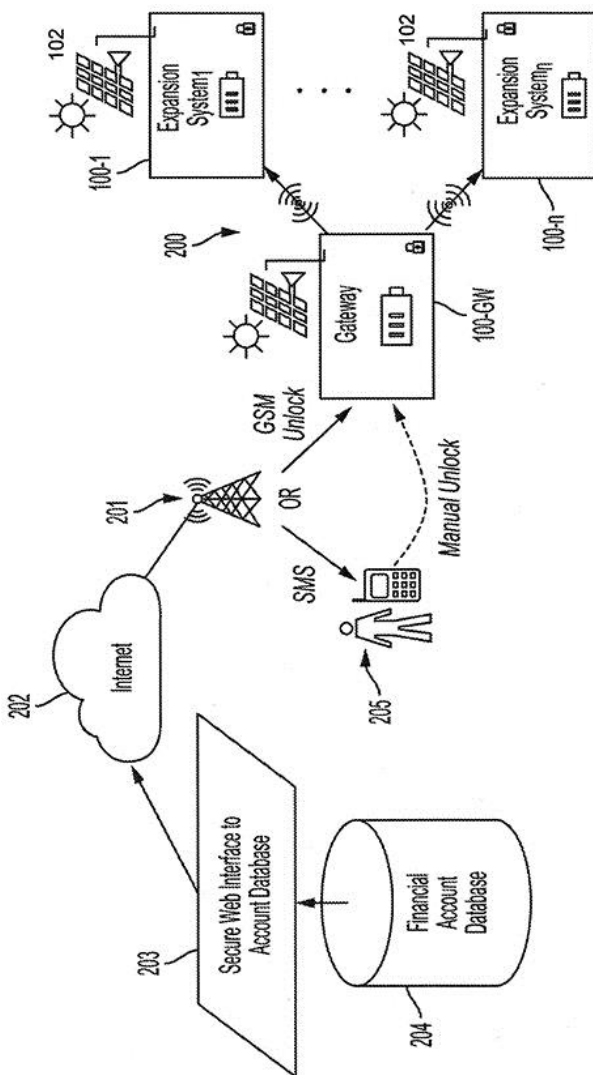


Fig. 2

[Consulter le mémoire](#)

(11) **20524**

(51) A47C 21/04 (2018.01);
F25D 3/00 (2018.01);
F25D 9/00 (2018.01)

(21) 1202100555

(22) 22/11/2021

(54) **Système pour tente et ventilateur réfrigérant et technique de fabrication.**

(72) Monsieur THIBAULT Etienne Yves Christian (SN)

(73) **THIBAULT Etienne Yves Christian**, 15, Rue Galandou DIOUF 4ème Etage, B.P. 1340, DAKAR (SN)

(57)

Le certificat d'addition a pour objet des améliorations apportées sur un brevet intitulé Couverture à effet réfrigérant et technique de fabrication sous le n° 18413 délivré par l'organisation Africaine de la propriété intellectuelle (OAPI). Les améliorations concernent l'application du système de couverture réfrigérant aux tentes en toile ou aux ventilateurs. L'avantage des améliorations portées sur une tente et/ou ventilateur réfrigérants est qu'ils sont utilisables à tout endroit aussi bien en zone urbaine que rurale sans être conditionnés par la présence d'accessoire tels que compresseur externe, évaporateur. Il suffit d'être en présence d'une source énergétique, quelle que soit son origine pour que le système de refroidissement dans la toiture de la tente, sur ses côtés ou à l'arrière du ventilateur soit opérationnel.

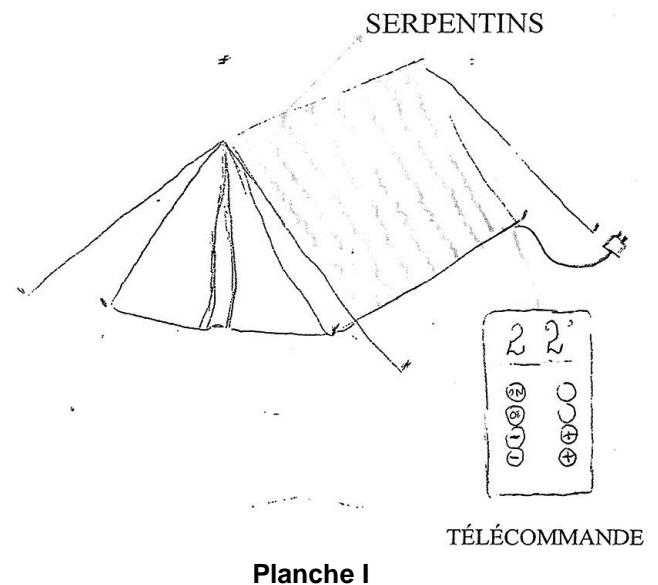


Planche I

[Consulter le mémoire](#)

(11) **20525**

(51) G06Q 10/00 (2018.01)

(21) 1202100560

(22) 08/12/2021

(54) **Dispositif de gestion alternative de compte et son fonctionnement.**

(72) BEKONO OWONA Roger Blaise (CM)

(73) **BEKONO OWONA Roger Blaise**, Avenue Mgr Vogt, B.P. 1917, YAOUNDE (CM)

(57)

Dispositif de gestion alternative de compte et son fonctionnement caractérisé en ce qu'il intègre un ou plusieurs fournisseurs de produits (biens et/ou services), un ou plusieurs consommateurs desdits produits, un ou plusieurs comptes de suivi des transactions par fournisseur, une ou plusieurs transactions effectuées auprès de chaque fournisseur, une notification émise pour chaque transaction effectuée, des canaux de transmission des données, une unité locale d'entrée directe des informations, une unité centrale de traitement des notifications, un moniteur de visualisation des informations contenues dans l'unité centrale. Ce dispositif permet de produire une « gestion de compte » automatisée, individuelle et non intégrée aux plateformes des fournisseurs. Il offre au consommateur la garantie de s'approprier l'information contenue dans son compte et la possibilité de ne jamais en être privé, même en cas d'indisponibilité limitée, prolongée ou définitive des plateformes des fournisseurs.

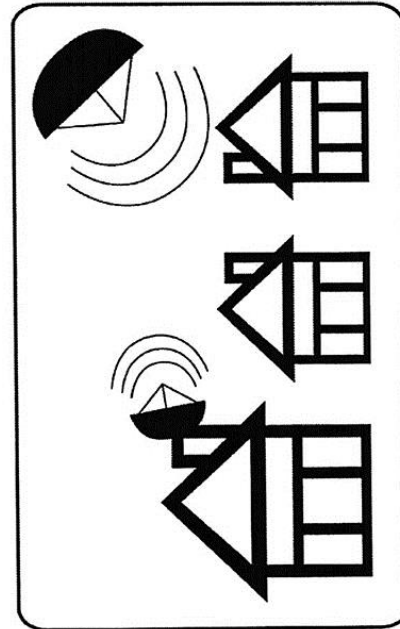


figure 2 : Fournisseurs de biens et services avec suivi de consommateurs à travers des comptes clients

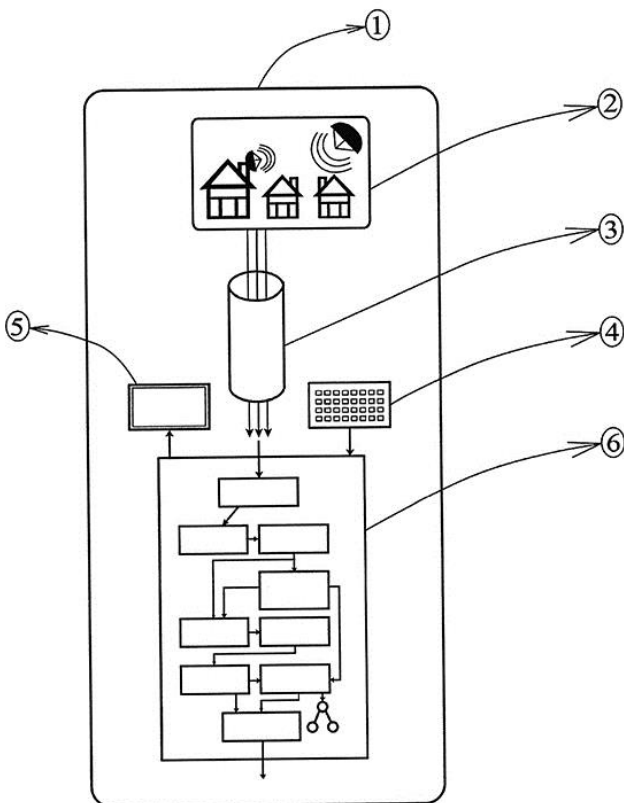


figure 1 : Vue globale du dispositif de gestion alternative de compte et de son fonctionnement

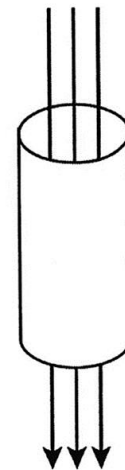


figure 3 : Canaux de transmission de l'information des fournisseurs à l'unité centrale de traitement

Planche I

[Consulter le mémoire](#)

(11) 20526

(51) G06Q 50/06 (2018.01);

H02J 13/00 (2018.01)

(21) 1202100580

(22) 16/11/2021

(54) **Gestionnaire d'énergie muni d'un délesteur à courant porteur et d'interrupteurs « on/off » pilotant des dispositifs d'économie d'énergie.**

(72) OUATTARA Sié Cyrille Donagadan (BF)

(73) **OUATTARA Sié Cyrille Donagadan, OUAGADOUGOU 01 (BF)**

(57)

L'invention concerne un système à fort potentiel de réduction de la consommation d'électricité tel qu'illustré à la figure 1. Il est constitué d'un gestionnaire d'énergie à courant porteur en ligne (1), d'interrupteurs "CPL" (2), de démarreurs progressifs (3) d'inverters (4), d'un transformateur d'intensité (8). La figure 2 représente la variante utilisant un Smartphone pour commander la mise en marche/arrêt des charges via le gestionnaire d'énergie. Le système permet de réaliser des économies substantielles d'énergie et partant de réduire l'empreinte carbone de manière significative et contribue ce fait à la lutte contre le réchauffement climatique.

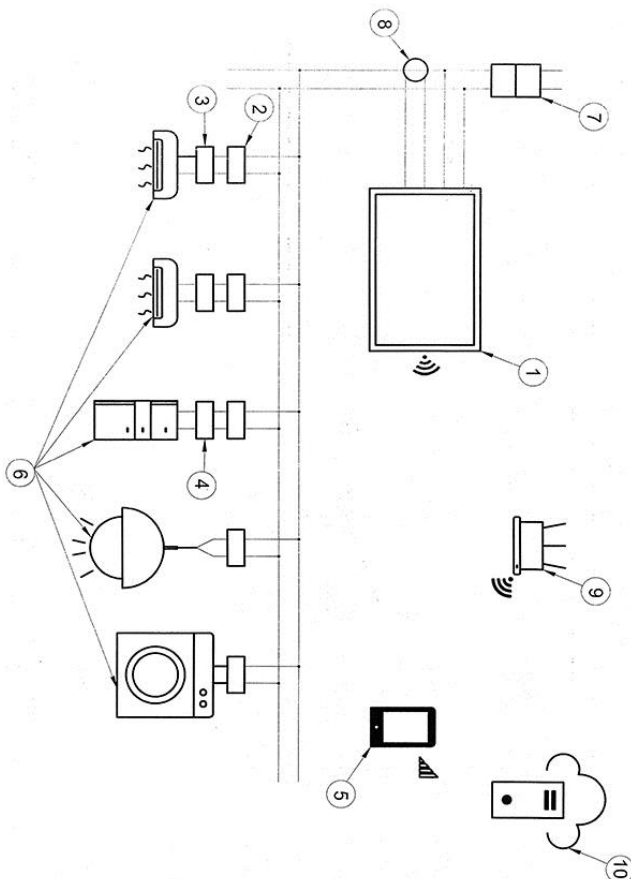


Fig. 1

[Consulter le mémoire](#)(11) **20527**

(51) B03C 1/00 (2018.01);

B03C 1/02 (2018.01)

(21) **1202100604 - PCT/AU2020/050694**

(22) 02/07/2020

(30) **AU n° 2019902359 du 03/07/2019**

(54) **Method for the beneficiation of iron ore streams.**

(72) STRETCH, Stephen Andrew (AU) et

ILICH, Bohdan Matthew (AU)

(73) **FORTECUE METALS GROUP LTD**, Level 2, 87 Adelaide Terrace, EAST PERTH, Western Australia 6004 (AU)

(74) **S.C.P AKKUM, AKKUM & Associates, Quartier Mballa II, Dragages, B.P. 4966, YAOUNDE (CM).**

(57)

A method of beneficiating iron ore streams, the method comprising the steps of sizing an iron ore stream to provide a fines fraction of less than 3.0 mm diameter particle size and contacting the fines fraction with a magnetic field and magnetically separating the fines fraction into a concentrate stream and a tailings stream.

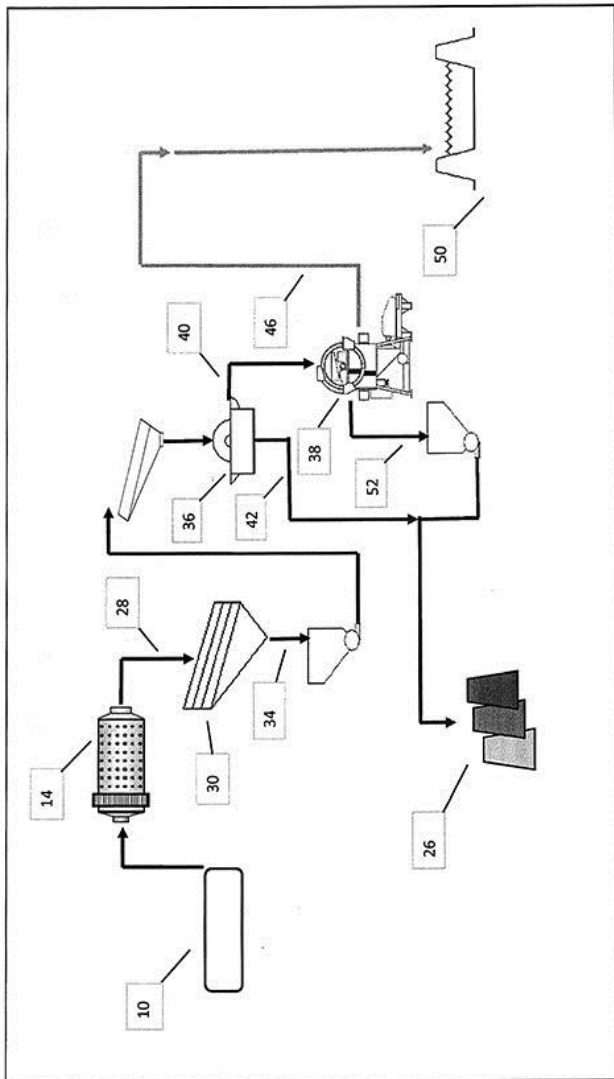


Fig. 1

[Consulter le mémoire](#)

(11) **20528**

- (51) B01J 13/00 (2018.01);
B82Y 10/00 (2018.01);
B82Y 20/00 (2018.01);
B82Y 40/00 (2018.01);
G01N 21/00 (2018.01);
G01N 21/65 (2018.01)

(21) **1202200012 - PCT/EP2020/069684**

(22) 13/07/2020

(30) **US n° 62/874,158 du 15/07/2019;**
EP n° 19192040.4 du 16/08/2019;
EP n° 20163879.8 du 18/03/2020

(54) **Method for manufacturing surface enhanced raman spectroscopy tags.**

(72) PIOTTI, Marcelo Eduardo (US);
SCHEFFLER, Raymond H. (US) et
KOWALSKI, Mark (US)

(73) **SICPA HOLDING SA**, Avenue de Florissant
41, 1008 PRILLY (CH)

(74) **Cabinet NICO HALLE & CO. LAW FIRM**,
1st Floor SHALOM Building, Ancienne Route,
Opposite Pharmacie du Pont/Express
Union, B.P. 4876, DOUALA (CM).

(57)

The present invention relates to the field of methods of manufacturing of surface enhanced Raman spectroscopy (SERS) tags. The manufacturing method according to the present invention is reproducible and versatile and enables the production in an expedient manner of high quantities of SERS tags characterized by a narrow size distribution and a high ratio of low-number aggregates. SERS tags manufactured by the inventive manufacturing method described herein provide increased ensemble SERS responses.

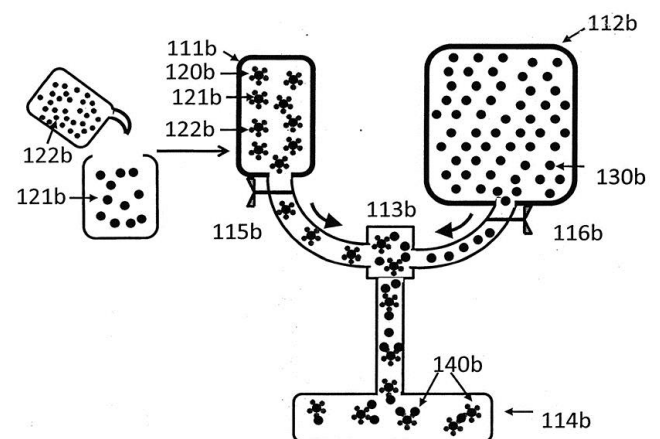


Fig. 1 b

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(11) **20529**

- (51) A01H 5/00 (2018.01);
A01H 9/00 (2018.01);
C07H 21/04 (2018.01);
C12N 15/00 (2018.01);

C12N 15/82 (2018.01);

C12N 15/82 (2018.01);

C12N 5/00 (2018.01)

(21) **1202200015 - PCT/US2020/040883**

(22) 06/07/2020

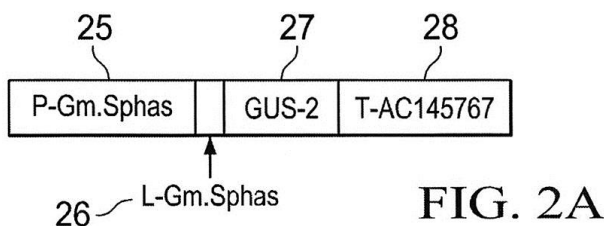
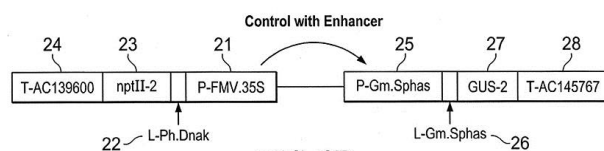
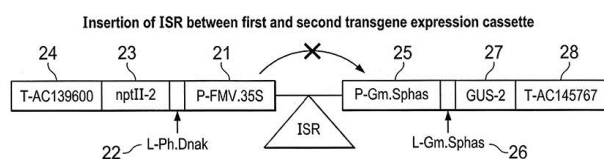
(30) **US n° 62/875,752 du 18/07/2019**(54) **Novel intergenic sequence regions and uses thereof.**

(72) DAVIS Ian W. (US)

(73) **MONSANTO TECHNOLOGY LLC**, 800 North Lindbergh Boulevard, ST. LOUIS, MO 63167 (US)(74) **S.C.P AKKUM, AKKUM & Associates, Quartier Mballa II, Dragages, B.P. 4966, YAOUNDE (CM)**

(57)

The invention provides recombinant DNA molecules comprising novel synthetic Intergenic Sequence Regions for use in plants to reduce the interaction of a first transgene expression cassette on a second transgene cassette when inserted between the first transgene cassette and second transgene cassette. The invention also provides transgenic plants, plant cells, plant parts, and seeds comprising the novel synthetic Intergenic Sequence Regions. The invention also provides methods to reduce the interaction between transgene expression cassettes using the novel synthetic Intergenic Sequence Regions.

Control without Enhancer**FIG. 2A****FIG. 2B****FIG. 2C****Planche II**[Consulter le mémoire](#)(11) **20530**

(51) C12C 12/02 (2018.01);

C12G 3/00 (2018.01)

(21) **1202200018 - PCT/EP2020/070847**

(22) 23/07/2020

(30) **EP n° 19187830.5 du 23/07/2019**(54) **Sweet tasting starch-derived beverage.**

(72) OFODU, Ikechukwu Victor (NL) et BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert (NL)

(73) **HEINEKEN SUPPLY GHAIN B.V.**, Burgemeester Smeetsweg 1, 2382 PH ZOETERWOUDE (NL)(74) **S.C.P AKKUM, AKKUM & Associates, Quartier Mballa II, Dragages, B.P. 4966, YAOUNDE (CM)**

(57)

The invention relates to a starch-derived beverage comprising 4-20 wt.% carbohydrates, said beverage containing, calculated by weight of carbohydrates:

- 5-65 wt.% of glucose;

- 0-65 wt.% of fructose;

- 0-50 wt.% of sucrose;

- 0.1-30 wt.% of maltose;

- 0.03-8 wt.% of maltotriose;

- 3-35 wt.% of oligoglucose having a degree of polymerisation in the range of 4-10; wherein the combination of glucose and fructose constitutes at least 20 wt.% of the carbohydrates.

The beverage according to the invention is similar to existing non-fermented malt beverages, such as "Malta", except that similar sweetness is achieved with a lower carbohydrate content.

The invention further relates to a process of producing the aforementioned beverage.

[Consulter le mémoire](#)

B

REPertoire SUIVANT LA C.I.B.

	(51)	(11)
1	A01B 63/112	20504
2	A01B 63/112	20502
3	A01G 13/02	20510
4	A01K 31/19	20522
5	A61K 35/66	20494
6	B03C 1/02	20527
7	B60K 26/02	20501
8	B60W 40/09	20516
9	B60W 40/09	20519
10	B60W 40/09	20518
11	B60W 40/09	20517
12	B62D 49/00	20505
13	B62D 49/00	20503
14	B62D 9/00	20500
15	B65D 75/32	20511
16	C04B 28/02	20512
17	C07D 413/04	20499
18	C12C 12/02	20530
19	C12N 15/82	20529
20	D04H 3/016	20520
21	E02B 3/00	20492
22	E02F 3/18	20495
23	E04B 2/00	20496
24	E21B 33/03	20507
25	F25D 3/00	20524
26	G01N 21/00	20528
27	G01N 33/569	20497
28	G01S 13/00	20498
29	G02C 7/04	20513
30	G06K 19/00	20509
31	G06Q 10/00	20525
32	G06Q 50/06	20523
33	G06Q 50/06	20526
34	H04L 1/00	20491
35	H04L 1/18	20514

	(51)	(11)
36	H04W 12/02	20508
37	H04W 24/08	20515
38	H04W 24/10	20493
39	H04W 52/14	20521
40	H04W 72/04	20506

C

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BEKONO OWONA Roger Blaise	
(11) 20525	(51) G06Q 10/00
CHRYSO	
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NTT DOCOMO, INC.	
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OUATTARA Sié Cyrille Donagadan	
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SATANANG NOUBISSI Roussel Douglas	
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(11) 20514	(51) H04L 1/18
(11) 20515	(51) H04W 24/08
(11) 20521	(51) H04W 52/14
THIBAUT Etienne Yves Christian	
(11) 20524	(51) F25D 3/00
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(11) 20510	(51) A01G 13/02
WOODYEAR, John	
(11) 20509	(51) G06K 19/00

WRIGHT, John David	
(11) 20496	(51) E04B 2/00
YAMAHA HATSUDOKI KABUSHIKI KAISHA	
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(11) 20518	(51) B60W 40/09
(11) 20519	(51) B60W 40/09