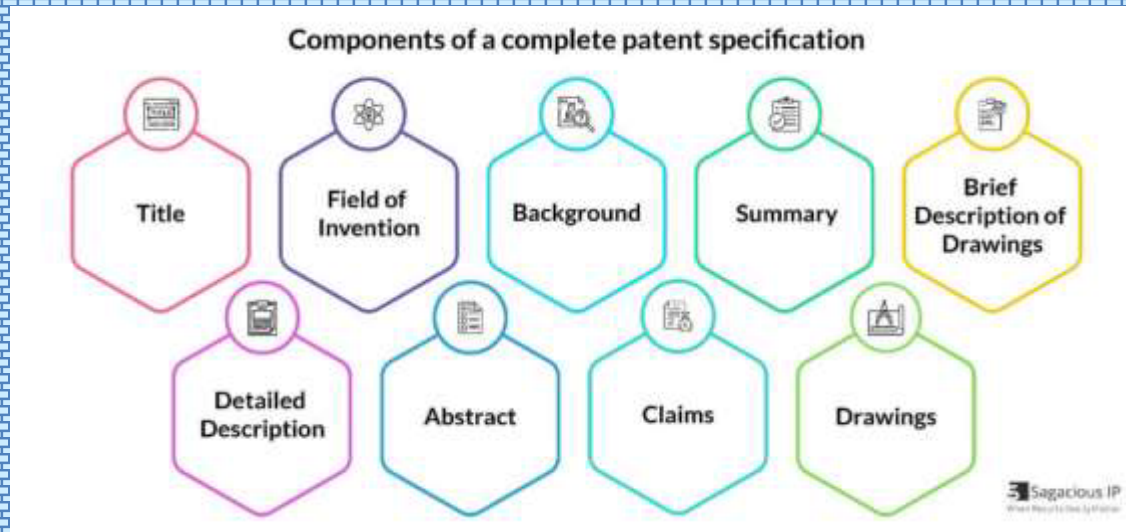




Anatomy of a Patent Document

تحليل آناتومي و ساختار پتنت



به طور کلی یک پتنت دارای دو عملکرد است:

- **حفاظت:**

از بهره‌برداری تجاری دیگران، از نوآوری یا اختراع تحت پوشش سیستم پتنت، ممانعت نماید.
این انحصار، دارای **محدودیت زمانی و جغرافیایی** است.

- **افشاء:**

یک پتنت، نوعی دسترسی عمومی به اطلاعات مرتبط با فناوری جدید را فراهم می‌آورد که موجب تحریک نوآوری و کمک به رشد و توسعه اقتصادی خواهد شد.
برخلاف کارکرد حفاظتی سیستم ثبت اختراع، کارکرد افشاء **بدون محدودیت زمانی و جغرافیایی** است.

کارکرد یک پتنت



اطلاعات پتنت شامل موارد زیر خواهد بود:

❖ اطلاعات فنی که از توضیحات و نقشه‌های مرتبط با اختراع به دست می‌آید؛

❖ اطلاعات حقوقی که از ادعاهای پتنت که دامنه ثبت اختراع را تعریف نموده و همچنین از وضعیت حقوقی آن، به دست می‌آید؛

❖ اطلاعات مرتبط با کسب‌وکار که از اطلاعات مرجع شامل مخترع، تاریخ ثبت اظهارنامه، تاریخ گرنت، کشور مبدأ، وضعیت تمدید پتنت، عمر باقی مانده پتنت و ... به دست می‌آید.

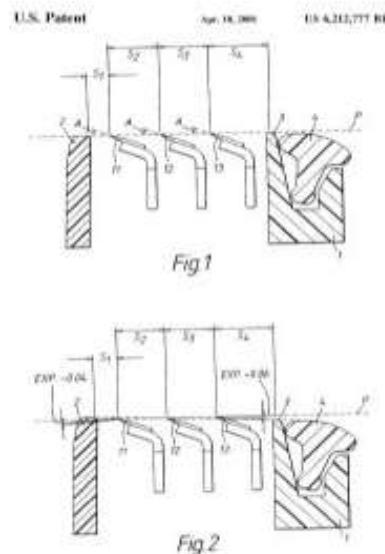
❖ اطلاعات مرتبط با سیاست عمومی که از طریق تجزیه و تحلیل روند ثبت اختراعات به دست آمده و مورد استفاده سیاست‌گذاران خواهد بود. (مثلاً در تدوین استراتژی صنعتی در مقیاس ملی).

- بخش های مختلف هر اظهارنامه پتنت

- اطلاعات موجود در صفحه ی اول (front page)
- اطلاعات موجود در قسمت ترسیمات (drawings)
- اطلاعات موجود در قسمت توضیحات (description)
- اطلاعات موجود در قسمت دعاوی (claims)

Anatomy of a Patent Document

		 0094-1110(199404)11:01:1-0	
(10) United States Patent		(15) Patent No.	US 5,212,777 B1
Giblin et al.		(16) Date of Patent:	Apr. 19, 1993
(50) SUBJECT'S CLASSIFICATION			
(51) International	Keynote of Class, Subclass, and Class	A-1000000	35-0000
(52) U.S. Class	Keynote of Class, Subclass, and Class	3-100000	3-100000
(53) Group	Keynote of Class, Subclass, and Class	3-100000	3-100000
(54) Title	Keynote of Class, Subclass, and Class	3-100000	3-100000
(55) Abstract	Keynote of Class, Subclass, and Class	3-100000	3-100000
(56) References	Keynote of Class, Subclass, and Class	3-100000	3-100000
(57) Claims	Keynote of Class, Subclass, and Class	3-100000	3-100000
(58) Field of Search	Keynote of Class, Subclass, and Class	3-100000	3-100000
(59) Other Publications	Keynote of Class, Subclass, and Class	3-100000	3-100000
(60) Continuation	Keynote of Class, Subclass, and Class	3-100000	3-100000
(61) Divisional	Keynote of Class, Subclass, and Class	3-100000	3-100000
(62) Cross Reference	Keynote of Class, Subclass, and Class	3-100000	3-100000
(63) Foreign Patent	Keynote of Class, Subclass, and Class	3-100000	3-100000
(64) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000
(65) Priority	Keynote of Class, Subclass, and Class	3-100000	3-100000
(66) Continuation	Keynote of Class, Subclass, and Class	3-100000	3-100000
(67) Divisional	Keynote of Class, Subclass, and Class	3-100000	3-100000
(68) Cross Reference	Keynote of Class, Subclass, and Class	3-100000	3-100000
(69) Foreign Patent	Keynote of Class, Subclass, and Class	3-100000	3-100000
(70) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000
(71) Priority	Keynote of Class, Subclass, and Class	3-100000	3-100000
(72) Continuation	Keynote of Class, Subclass, and Class	3-100000	3-100000
(73) Divisional	Keynote of Class, Subclass, and Class	3-100000	3-100000
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(76) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000
(77) Priority	Keynote of Class, Subclass, and Class	3-100000	3-100000
(78) Continuation	Keynote of Class, Subclass, and Class	3-100000	3-100000
(79) Divisional	Keynote of Class, Subclass, and Class	3-100000	3-100000
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(81) Foreign Patent	Keynote of Class, Subclass, and Class	3-100000	3-100000
(82) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000
(83) Priority	Keynote of Class, Subclass, and Class	3-100000	3-100000
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(93) Foreign Patent	Keynote of Class, Subclass, and Class	3-100000	3-100000
(94) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000
(95) Priority	Keynote of Class, Subclass, and Class	3-100000	3-100000
(96) Continuation	Keynote of Class, Subclass, and Class	3-100000	3-100000
(97) Divisional	Keynote of Class, Subclass, and Class	3-100000	3-100000
(98) Cross Reference	Keynote of Class, Subclass, and Class	3-100000	3-100000
(99) Foreign Patent	Keynote of Class, Subclass, and Class	3-100000	3-100000
(100) Foreign Application	Keynote of Class, Subclass, and Class	3-100000	3-100000

[illegible]

THE UNIVERSITY OF CHICAGO

[illegible]

The authors of the present investigation have considered the possibility that the frequency of spontaneous ECG changes is an important covariate for the resting ECG. It should not be thought that the authors' study means an high a rate of resting ECG changes. For example, if a 10-second ECG recording is repeated 10 times, and each individual recording is visually inspected for ST-T changes, the probability of finding at least 1 ST-T change is 1.0 (1.0 minus the probability of finding no ST-T change, 0.9¹⁰).

The frequency of the normal ECG is therefore likely to vary widely up and down the frequency of the abnormal ECG, and we therefore think that the frequency of the abnormal ECG is an important covariate for the resting ECG. In the present study, the frequency of the abnormal ECG was found to be 1.0 (1.0 minus the probability of finding no ST-T change, 0.9¹⁰) in 100% of the subjects. This was because the criterion criteria for the present study required ECGs that were not visually inspected for ST-T changes to be visually inspected for ST-T changes. In the present study, the frequency of the abnormal ECG was found to be 1.0 (1.0 minus the probability of finding no ST-T change, 0.9¹⁰) in 100% of the subjects. This was because the criterion criteria for the present study required ECGs that were not visually inspected for ST-T changes to be visually inspected for ST-T changes.

Why a three-minute safety video about smoking and drinking that Florida legislators are expected to approve is being shown to thousands of students in the state's public schools is a question that has not been asked. The video, developed by the Florida Department of Education, is intended to encourage students to abstain from drinking and smoking, and to encourage them to report any substance abuse to their parents.

FIG. 2. (a) A schematic representation of a random communication through an existing community of the network. (b) A schematic representation of a random communication through the global community of the network.

It is noted that, if you follow the literature's practice, you think you are entitled to be treated in a very healthy way. The thought you may be grossly misled by the health, e.g. if a physician says, "no, no, no, I cannot do a surgery, advised by the government's decision, in the hospital, in the

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0968 **6-2002** **PPF** **000**

Each of the three programs is given 2 and a 100-hour minimum requirement. All are to be based on the following philosophy: "provide a pathway through the health professions to enhance the effectiveness of the health care system, including the management, delivery, and evaluation of health care services." The program director of the program, Dr. Robert J. G. Brown, is quoted as saying:

By the third year, these symptoms are often self-limiting, unless the depressive symptoms include the *three C's*—compulsions, chronicity, and suicidality. In a recent study, 10% of the patients with a depressive episode had a subsequent depressive episode within 1 year, and 20% within 2 years.¹

As illustrated in the accompanying figure, the first, second, and third quartiles are 10, 20, and 30, respectively. The median is 15, the range is 20, and the variance is 10. Thus, there is a strong left-skewing bias.

induced by stress of the *Staphylococcus aureus* culture but in the case of *E. coli* it is assumed that the environmental stress influences the response to the heat-shock. During treatment of the cells with heat-shock, the following changes were observed:

- In *Staphylococcus aureus* heat-shock consuming a small, 100- to 150-kDa protein, which is usually not found in *Escherichia coli* and which is induced during heat-shock in *Staphylococcus aureus* and in *Escherichia coli* after treatment with heat-shock.
- In *Staphylococcus aureus* heat-shock inducing a protein of 100 kDa, which is induced during heat-shock in *Staphylococcus aureus* and in *Escherichia coli* after treatment with heat-shock.
- In *Staphylococcus aureus* heat-shock inducing a protein of 100 kDa, which is induced during heat-shock in *Staphylococcus aureus* and in *Escherichia coli* after treatment with heat-shock.
- In *Staphylococcus aureus* heat-shock inducing a protein of 100 kDa, which is induced during heat-shock in *Staphylococcus aureus* and in *Escherichia coli* after treatment with heat-shock.

1. In the case of a single fixed effect, the following are obtained:
 - a. A single fixed effect (the first fixed effect) with the point estimate of β_1 fixed to 1.0.
 - b. A null effect (the second fixed effect) with the point estimate of β_2 fixed to 0.0.
2. In the case of a fixed effect and a random effect:
 - a. A single fixed effect (the first fixed effect) with the point estimate of β_1 fixed to 1.0.
 - b. A null effect (the second fixed effect) with the point estimate of β_2 fixed to 0.0.
 - c. A single random effect (the first random effect) with the point estimate of σ^2 fixed to 1.0.
3. In the case of a fixed effect and a random effect with a correlation:
 - a. A single fixed effect (the first fixed effect) with the point estimate of β_1 fixed to 1.0.
 - b. A null effect (the second fixed effect) with the point estimate of β_2 fixed to 0.0.
 - c. A single random effect (the first random effect) with the point estimate of σ^2 fixed to 1.0.
 - d. A single random effect (the second random effect) with the point estimate of σ^2 fixed to 1.0.

a. The system is stable and asymptotically stable if $\alpha > 0$.
 b. The system is stable if $\alpha > 0$ and asymptotically stable if $\alpha > 1$.
 c. The system is stable if $\alpha > 0$ and asymptotically stable if $\alpha > 1$.
 d. The system is stable if $\alpha > 0$ and asymptotically stable if $\alpha > 1$.
 e. The system is stable if $\alpha > 0$ and asymptotically stable if $\alpha > 1$.

Toy Designed to Spin in a User's Hand





US009914063B1

**(12) United States Patent
McCoskery****(10) Patent No.: US 9,914,063 B1**
(45) Date of Patent: Mar. 13, 2018**(54) TOY DESIGNED TO SPIN IN A USER'S
HAND**USPC 473/569, 588; 446/233, 236, 250, 256
See application file for complete search history.**(71) Applicant: Michael Scott McCoskery**, Suquamish,
WA (US)**(56) References Cited**

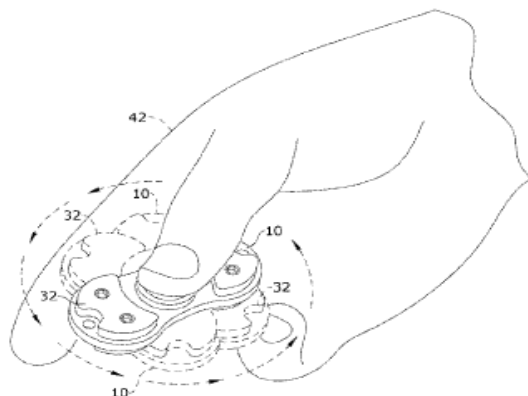
U.S. PATENT DOCUMENTS

(72) Inventor: Michael Scott McCoskery, Suquamish,
WA (US)476,825 A * 6/1892 Schwartz A63B 67/086
446/240**(73) Assignee: MD INTELLECTUAL HOLDINGS
LLC**, Bainbridge Island, WA (US)547,764 A * 10/1895 Boyum A63F 9/16
273/147**(*) Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.1,548,646 A * 8/1925 Akesson A44C 9/00
428/11**(21) Appl. No.: 15/592,894**2,454,492 A * 11/1948 Turnbull A63B 67/14
473/587**(22) Filed: May 11, 2017**2,564,053 A * 8/1951 Donovan A63H 1/00
446/40**Related U.S. Application Data**2,879,066 A * 3/1959 Sutherland A63F 9/16
273/147**(60) Provisional application No. 62/334,879**, filed on May
11, 2016.3,081,578 A * 3/1963 Mosher A63H 1/30
446/216**(51) Int. Cl.**
A63H 1/00 (2006.01)
A63B 67/14 (2006.01)
A63H 33/00 (2006.01)
A63H 29/08 (2006.01)
A63H 1/30 (2006.01)
A63F 9/16 (2006.01)3,206,210 A * 9/1965 Bard A63F 7/40
473/5883,287,846 A * 11/1966 Frangos A63H 1/00
446/235

(Continued)

Primary Examiner — Alexander Niconovich**(74) Attorney, Agent, or Firm** — Plager Schack LLP**(57) ABSTRACT**

A device designed to spin in a user's hands may include a body with a centrally mounted ball bearing positioned within a center orifice of the body, wherein an outer race of the ball bearing is attached to the frame; a button made of a pair of bearing caps attached to one another through the ball bearing and clamped against an inner race of the ball bearing, such that when the button is held between a user's thumb and finger, the body freely rotates about the ball bearing; and a plurality of weights distributed at opposite ends of the body, creating at least a bipolar weight distribution.

(52) U.S. Cl.
CPC **A63H 33/00** (2013.01); **A63B 67/14**
(2013.01); **A63F 9/16** (2013.01); **A63H 1/00**
(2013.01); **A63H 1/30** (2013.01); **A63H 29/08**
(2013.01); **A63B 2067/146** (2013.01); **A63B**
2208/12 (2013.01)**(58) Field of Classification Search**
CPC **A63B 67/14**; **A63B 2208/12**; **A63B**
2067/146; **A63H 1/00**; **A63H 1/30**; **A63F**
9/16**14 Claims, 4 Drawing Sheets**

Front Page

Toy Designed to Spin in a User's Hand



US009914063B1

**United States Patent
McCoskery****(10) Patent No.: US 9,914,063 B1**
(45) Date of Patent: Mar. 13, 2018

- (54) **TOY DESIGNED TO SPIN IN A USER'S HAND**
- (71) Applicant: **Michael Scott McCoskery**, Suquamish, WA (US)
- (72) Inventor: **Michael Scott McCoskery**, Suquamish, WA (US)
- (73) Assignee: **MD INTELLECTUAL HOLDINGS LLC**, Bainbridge Island, WA (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: **15/592,894**
- (22) Filed: **May 11, 2017**
- Related U.S. Application Data**
- (60) Provisional application No. 62/334,879, filed on May 11, 2016.
- (51) **Int. Cl.**
A63H 1/00 (2006.01)
A63B 67/14 (2006.01)
A63H 33/00 (2006.01)
A63H 29/08 (2006.01)
A63H 1/30 (2006.01)
A63F 9/16 (2006.01)
- (52) **U.S. Cl.**
 CPC **A63H 33/00** (2013.01); **A63B 67/14** (2013.01); **A63F 9/16** (2013.01); **A63H 1/00** (2013.01); **A63H 1/30** (2013.01); **A63H 29/08** (2013.01); **A63B 2067/146** (2013.01); **A63B 2208/12** (2013.01)
- (58) **Field of Classification Search**
 CPC **A63B 67/14**; **A63B 2208/12**; **A63B 2067/146**; **A63H 1/00**; **A63H 1/30**; **A63F 9/16**

USPC 473/569, 588; 446/233, 236, 250, 256
See application file for complete search history.**(56) References Cited****U.S. PATENT DOCUMENTS**

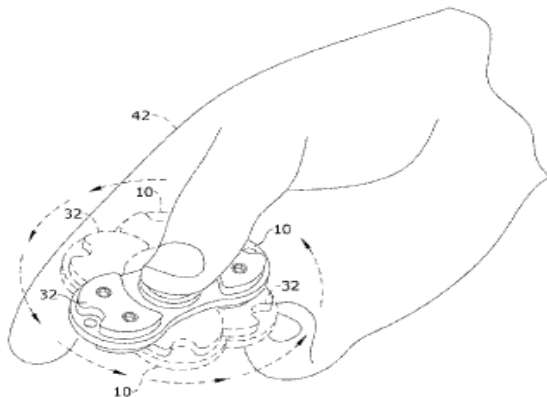
476,825 A *	6/1892	Schwartz		A63B 67/086
				446/240
547,764 A *	10/1895	Boyum		A63F 9/16
				273/147
1,548,646 A *	8/1925	Akeson		A44C 9/00
				428/11
2,454,492 A *	11/1948	Turnbull		A63B 67/14
				473/587
2,564,053 A *	8/1951	Donovan		A63H 1/00
				446/40
2,879,066 A *	3/1959	Sutherland		A63F 9/16
				273/147
3,081,578 A *	3/1963	Mosher		A63H 1/30
				446/216
3,206,210 A *	9/1965	Bard		A63F 7/40
				473/588
3,287,846 A *	11/1966	Frangos		A63H 1/00
				446/235

(Continued)

Primary Examiner — Alexander Niconovich
 (74) Attorney, Agent, or Firm — Plager Schack LLP

(57) ABSTRACT

A device designed to spin in a user's hands may include a body with a centrally mounted ball bearing positioned within a center orifice of the body, wherein an outer race of the ball bearing is attached to the frame; a button made of a pair of bearing caps attached to one another through the ball bearing and clamped against an inner race of the ball bearing, such that when the button is held between a user's thumb and finger, the body freely rotates about the ball bearing; and a plurality of weights distributed at opposite ends of the body, creating at least a bipolar weight distribution.

14 Claims, 4 Drawing Sheets

• موتورهای جست و جو و یا نرم افزارهای طبقه بندی و تحلیل پتنت، از اطلاعات صفحه ی اول جهت جست و جو و طبقه بندی و نهایتاً تحلیل استفاده می کنند.

• اطلاعات صفحه اول پتنت ممکن است به دلیل زبان خاص حقوقی که در پتنت استفاده می شود برای شخصی که برای اولین بار به یک سند پتنت نگاه می کند، قابل درک نباشد.



US008965465B2

(12) **United States Patent**
Spoto et al.

(10) **Patent No.:** **US 8,965,465 B2**
(45) **Date of Patent:** ***Feb. 24, 2015**

(54) **PORTABLE ELECTRONIC DEVICE HAVING AT LEAST ONE OF RESONATOR AND SHIELD**

(71) Applicant: **Research In Motion Limited, Waterloo (CA)**

(72) Inventors: **Jay Robert Spoto**, Boynton Beach, FL (US); **Douglas Wayne Moskowitz**, Weston, FL (US); **Paul Brian Koch**, Plantation, FL (US); **Marko Antonio Escalante**, Miramar, FL (US)

(73) Assignee: **BlackBerry Limited, Waterloo (CA)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 11 days.
This patent is subject to a terminal disclaimer.

(21) Appl. No.: **13/786,069**

(22) Filed: **Mar. 5, 2013**

(65) **Prior Publication Data**

US 2013/0178254 A1 Jul. 11, 2013

Related U.S. Application Data

(63) Continuation of application No. 12/943,368, filed on Nov. 10, 2010, now Pat. No. 8,417,301.

(60) Provisional application No. 61/304,534, filed on Feb. 15, 2010.

(51) **Int. Cl.**
H04M 1/00 (2006.01)
H04M 1/02 (2006.01)
H01Q 1/24 (2006.01)
H01Q 5/00 (2006.01)
H04B 1/38 (2006.01)

(52) **U.S. CL.**

CPC **H04M 1/0235** (2013.01); **H01Q 1/243** (2013.01); **H01Q 5/0062** (2013.01)

USPC **455/575.4**; **455/575.7**

(58) **Field of Classification Search**

USPC **455/575.1**, **575.4-575.7**
See application file for complete search history.

(56)

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Primary Examiner—Lee Nguyen

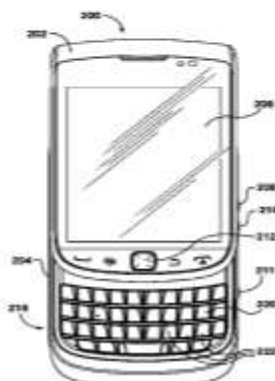
(74) Attorney, Agent, or Firm—Novak Druce Connolly Bove + Quigg LLP

(57)

ABSTRACT

In some aspects, a portable electronic device, having a rear housing, an upper housing coupled to the rear housing and slideable relative thereto between a closed position and an open position, an antenna, and at least one element coupled to the antenna and configured to perform at least one of inhibiting low frequency shift and increasing high frequency sensitivity of the antenna.

20 Claims, 11 Drawing Sheets



صفحه ی اول پتنت
front page

صفحه ی اول پتنت، در حقیقت شناسنامه ی پتنت است.

- صفحه نخست یک پتنت یا یک اظهارنامه انتشار یافته، عموماً حاوی اطلاعات کتابخانه‌ای است.

- ❖ عنوان پتنت،
- ❖ تاریخ و شماره ثبت اظهارنامه،
- ❖ تاریخ اعطای گواهینامه پتنت و شماره پتنت،
- ❖ کشوری که در آن اختراع به ثبت رسیده،
- ❖ نام مخترعین و مالکان پتنت،
- ❖ اطلاعات حق تقدم،
- ❖ طبقات و زیرطبقات فنی: سیستم طبقه‌بندی بین‌المللی پتنت (IPC)، سیستم طبقه‌بندی مشترک پتنت (CPC)
- ❖ و نیز نام تمام پتنت‌ها و اسناد غیر پتنتی است که خود مخترع و یا ارزیاب، در طی مراحل ثبت به آن‌ها ارجاع داده‌اند.
- ❖ و همچنین خلاصه‌ای از اختراع و نقشه‌ها (در صورت وجود) می‌باشد.

شاخص های ارزش گذاری پتنت

- وضعیت تقاضانامه پتنت
- سن پتنت
- تمدید پتنت
- forward citations تعداد ارجاعات به پتنت
- backward citation تعداد مراجع پتنت
- ضریب عمومیت پتنت
- زمان چرخه فناوری
- تعداد مراجع غیر پتنتی
- دعاوی قضائی یا اعتراض به پتنت
- کیفیت متن پتنت
- اندازه خانواده پتنت
- تعداد ادعاها
- تعداد و مشخصات مخترعان
- تعداد و مشخصات مالکان پتنت

- با بهره گیری از مطالب صفحه اول پتنت می توان برآورد اولیه ای از ارزش پتنت مورد نظر بدست آورد.

• کدهای INID

- (Internationally agreed Numbers for the Identification of {bibliographic} Data)

• کدهای INID چیست؟

- از آنجا که اطلاعات صفحه نخست (اطلاعات شناسنامه ای) ممکن است به زبان های گوناگونی نوشته شود و یا نحوه ی ارائه این اطلاعات سلیقه ای گردد، این سیستم نشانه گذاری توسط سازمان جهانی مالکیت فکری WIPO تعیین و تحت عنوان INID شناخته شده است.
- این سیستم نشانه گذاری در سراسر جهان برای نشانه گذاری استاندارد محتوای اسناد اختراع استفاده می گردد.

“INID” code

“Internationally agreed Numbers for the Identification of Data”.

- The bibliographic data
- on the front page of a patent document
- is identified by the use of INID codes
- in **parentheses, brackets or circles**
- are placed before the relevant bibliographic data element.



US00D861027S

(12) **United States Design Patent** (10) **Patent No.: US D861,027 S**
Anzures et al. (45) **Date of Patent: ** Sep. 24, 2019**

(54) **DISPLAY SCREEN OR PORTION THEREOF
WITH GRAPHICAL USER INTERFACE**

(56)

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(71) Applicant: **Apple Inc.**, Cupertino, CA (US)
(72) Inventors: **Freddy Anzures**, San Francisco, CA
(US); **Imran Chaudhri**, San Francisco,
CA (US); **Alan C. Dye**, San Francisco,
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Ive**, San Francisco, CA (US); **Tiffany
Jon**, Sunnyvale, CA (US); **Nicholas V.
King**, San Jose, CA (US); **Stephen O.
Lemay**, Palo Alto, CA (US); **Hoan K.
Pham**, San Jose, CA (US); **Wan Si
Wan**, Sunnyvale, CA (US);
Christopher Wilson, San Francisco,
CA (US); **Giancarlo Yerkes**, Menlo
Park, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/658,298**

(22) Filed: **Jul. 30, 2018**

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D623,195 S	9/2010	La et al.
D625,323 S	10/2010	Matsushima et al.

Related U.S. Application Data

INID کدهای

- ☐ (54) Title of the invention
- ☐ (71) name of applicant
- ☐ (72) name of inventor
- ☐ (21) application number
- ☐ (22) application date
- ☐ (11) Patent number
- ☐ (22) Filing date
- ☐ (32) Priority date
- ☐ (57) Abstract
- ☐ and etc.

(12) **United States Patent**
Galloway

(10) **Patent No.:** **US 10,001,149 B2**
(45) **Date of Patent:** **Jun. 19, 2018**

(54) **MANUFACTURING SOFT DEVICES OUT OF SHEET MATERIALS**

(71) Applicant: **President and Fellows of Harvard College**, Cambridge, MA (US)

(72) Inventor: **Kevin C. Galloway**, Somerville, MA (US)

(73) Assignee: **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, Cambridge, MA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 604 days.

(21) Appl. No.: **14/502,241**

(22) Filed: **Sep. 30, 2014**

(65) **Prior Publication Data**
US 2015/0090113 A1 Apr. 2, 2015

Related U.S. Application Data

(60) Provisional application No. 61/885,092, filed on Oct. 1, 2013.

(51) **Int. Cl.**
F15B 15/10 (2006.01)
B25J 15/00 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **F15B 15/10** (2013.01); **B25J 9/142** (2013.01); **B25J 15/0023** (2013.01); **B25J 15/08** (2013.01);
(Continued)

(58) **Field of Classification Search**

CPC **F15B 15/10**; **F15B 15/103**; **B25J 9/142**; **B25J 15/08**; **B25J 15/10**; **B25J 15/12**;
(Continued)

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Primary Examiner — Logan Kraft

(74) *Attorney, Agent, or Firm* — Wilmer Cutler Pickering Hale and Dorr LLP

(57) **ABSTRACT**

A soft composite actuator is described, including a first elastomeric layer; a strain limiting layer; and a first radially constraining layer, wherein the first elastomeric layer is disposed between the first radially constraining layer and the strain limiting layer; and the elastomeric layer, the strain limiting layer, and the radially constraining layer are bonded together to form at least one bladder for holding pressurized fluid. Methods of using and making of the soft composite actuator are described.

42 Claims, 25 Drawing Sheets

تفاوت بین اظهارنامه منتشر شده
(Published Applications)

و

گواهی ثبت اختراع
(Granted Patents)

گرنٲ شدن پٲٲٲ لازمه حفاظٲ قانونی اختراع

- گرنٲ شدن grant به معنی ٲایید شدن و اخذ گواهی ثبت اختراع است.
- ٲا اظهار نامه ی پٲٲٲی ٲایید نشود و گواهی ثبت اختراع را نداشته باشد و یا به عبارٲی گرنٲ نشده باشد، نمی ٲواند از حفاظٲ قانونی برخوردار شود.
- گرنٲ (grant)، حقوق انحصاری اعطا شده از سوی دفتر مالکیت فکری مربوطه، به مخترع یا نمایندهٲ قانونی او می باشد.
- همانٲور که گفته شد در اکثر کشورها و همچنین در سیستم PCT؛ نهایتا بعد از گذشت ۱۸ ماه ، اظهارنامه ها Application منتشر خواهند شد.

اظهارنامه منتشر شده (Published Applications)



US 2012/0082102A1

(19) United States

(12) Patent Application Publication
Kang et al.

(10) Pub. No.: US 2012/0082102 A1
(43) Pub. Date: Apr. 5, 2012

(54) METHOD FOR INDICATING PRECODING MATRIX INDICATOR IN UPLINK MIMO SYSTEM WITH BASED ON SC-FDMA

(30) Foreign Application Priority Data

Jul. 7, 2009 (KR) 10-2009-0061699

(75) Inventors:
Byeong Woo Kang, Anyang-si (KR); Joon Kui Ahn, Anyang-si (KR); Dong Yoon Seo, Anyang-si (KR); Jung Hoon Lee, Anyang-si (KR); Yu Jin Noh, Anyang-si (KR); Byeong Hoon Kim, Anyang-si (KR); Suck Chel Yang, Anyang-si (KR); Bong Hoe Kim, Anyang-si (KR); Dae Won Lee, Anyang-si (KR)

(51) Int. Cl.

H04W 74/04 (2009.01)
H04W 72/04 (2009.01)

(52) U.S. Cl. 370/329

(57) ABSTRACT

A method of transmitting PMI (precoding matrix indicator) information in an uplink MIMO system is disclosed. The present invention includes the steps of receiving channel information from a user equipment and transmitting information on a resource allocated to the user equipment in uplink transmission and PMI information indicating a precoding matrix to apply to a region of the resource among a plurality of precoding matrices to the user equipment based on the received channel information, wherein the resource allocated to the user equipment is allocated by a bundle unit of a prescribed number of subcarriers, wherein each of a plurality of the precoding matrices are applied to regions generated from dividing a whole frequency band into a prescribed number of regions, respectively, and wherein the precoding matrix applied to the resource among a plurality of the precoding matrices has a maximum area resulting from overlapping a frequency band occupied by the allocated resource with a frequency band having the precoding matrix applied thereto.

(73) Assignee: LG ELECTRONICS INC., Seoul (KR)

(21) Appl. No.: 13/148,886

(22) PCT Filed: Feb. 19, 2010

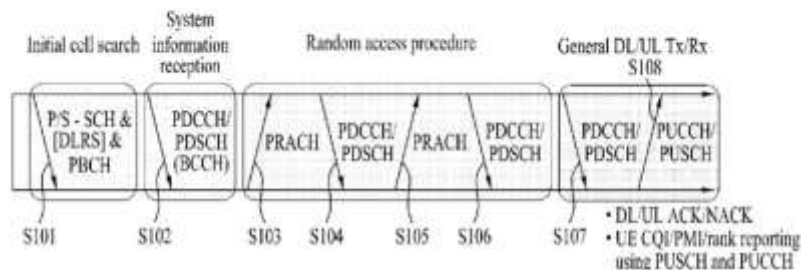
(86) PCT No.: PCT/KR2010/001039

§ 371 (c)(1).

(2), (4) Date: Nov. 14, 2011

Related U.S. Application Data

(60) Provisional application No. 61/161,049, filed on Mar. 17, 2009, provisional application No. 61/157,206, filed on Mar. 4, 2009, provisional application No. 61/153,974, filed on Feb. 20, 2009.



گواهی ثبت اختراع (Granted Patents)



US000PP30933P2

(12) United States Plant Patent
Horvath

(10) Patent No.: US PP30,933 P2
(45) Date of Patent: Oct. 8, 2019

(54) *RUDBECKIA* PLANT NAMED 'GLITTERS LIKE GOLD'

(58) Field of Classification Search
USPC Plt./474
CPC A01H 5/02
See application file for complete search history.

(50) Latin Name: *Rudbeckia hybrid*
Varietal Denomination: Glitters like Gold

(71) Applicant: Brent Horvath, Fontana, WI (US)

(72) Inventor: Brent Horvath, Fontana, WI (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 15 days.

(21) Appl. No.: 15/732,772

(22) Filed: Dec. 27, 2017

(51) Int. Cl. (2018.01)
A01H 5/02 (2018.01)
A01H 6/14 (2018.01)

(52) U.S. Cl. (2013.01)
USPC Plt./474
CPC A01H 6/14 (2018.05); A01H 5/02 (2013.01)

1 Drawing Sheet

1

Latin name: *Rudbeckia hybrid*.
Cultivar name: 'Glitters like Gold'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct hybrid of *Rudbeckia* plant named 'Glitters like Gold' characterized by the combination of 90 cm height, larger gold flowers and heavier bloom, compared to the seed parent. The new *Rudbeckia* was raised as a seedling from open pollinated seed sown from the seed parent *Rudbeckia fulgida* var. *deamii*, not patented, in Hebron, Ill. in 2012. The selection of the new plant was due to its 90 cm height, larger gold flower, and heavier bloom compared to the seed parent. Initial asexual reproduction has taken place at a nursery in Hebron, Ill. since 2015 by means of division, and stem cuttings. The new *Rudbeckia* has shown to be stable and identical in reproduction to the originally discovered plant after rooting over 600 plants from 2015 to 2017. No plants of the new *Rudbeckia* have been sold in this country, or anywhere in the world, prior to the filing of this application, nor has any disclosure of the new plant been made prior to the filing of this application with the exception of that which was disclosed within one year of filing of this application and was either derived directly or indirectly from the inventor.

SUMMARY OF THE INVENTION

The new *Rudbeckia* plant named 'Glitters like Gold' characterized by the combination of 90 cm height, larger gold flower, and heavier bloom compared to the seed parent have been observed to be unique and stable. For purpose of comparison the new plant will be referred to as 'Glitters like Gold'.

2

Plants of the new *Rudbeckia* can be compared to plants of *Rudbeckia fulgida* var. *deamii* the seed parent, not patented. The new *Rudbeckia* plant has a mature size measuring 90 cm high and 50 cm wide while *Rudbeckia fulgida* var. *deamii* measures 120 cm high and over 60 cm wide. The new *Rudbeckia* plant has a naturally mound shaped habit while *Rudbeckia fulgida* var. *deamii* has an upright open habit. The new *Rudbeckia* plant has rounded foliage approximately 16 cm long and 6 cm wide while *Rudbeckia fulgida* var. *deamii* has foliage that reaches approximately 35 cm long and 10 cm wide.

Plants of the new *Rudbeckia* can also be compared to the *Rudbeckia fulgida* 'Early Bird Gold', patented, U.S. Plant Pat. No. 20,286. The new plant has longer foliage, 16 cm in length and soft pubescent foliage while *Rudbeckia fulgida* 'Early Bird Gold' has foliage 13-15 cm in length and rough pubescent foliage.

DESCRIPTION OF PHOTOGRAPHS

FIG. 1. A close up of the flower.
FIG. 2. A blooming 2 year old plant in July.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart 2001 edition. Plants used for the description were grown for two seasons at a nursery in Hebron, Ill. Measurements and numerical values represent averages of typical plants.
Botanical classification: *Rudbeckia* cultivar Glitters like Gold.
Parentage: Male or pollen parent an unknown *Rudbeckia*, female or seed parent *Rudbeckia fulgida* var. *deamii*.

- در مورد پتنت های آمریکا اگر پتنت گرنٹ شده بود جلوی کد ۱۲ این عبارت نوشته می شود:

United State Patent

- اگر پتنت گرنٹ نشده بود و سند موجود، اظهار نامه ی پتنت Application باشد، جلوی کد ۱۲ این عبارت نوشته می شود:

Patent application publication

(12) **United States Patent**
Greenberg et al.

(10) **Patent No.:** **US 8,000,000 B2**
(45) **Date of Patent:** ***Aug. 16, 2011**

(54) **VISUAL PROSTHESIS**

(75) Inventors: **Robert J. Greenberg**, Los Angeles, CA (US); **Kelly H. McClure**, Simi Valley, CA (US); **Arup Roy**, Valencia, CA (US)

(73) Assignee: **Second Sight Medical Products, Inc.**, Sylmar, CA (US)

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2005/0078846 A1 *	4/2005	Single 381/326
2006/0247754 A1	11/2006	Greenberg et al.

(19) **United States**

(12) **Patent Application Publication**
Greenberg et al.

(10) **Pub. No.:** **US 2008/0262568 A1**
(43) **Pub. Date:** **Oct. 23, 2008**

(54) **VISUAL PROSTHESIS**

Publication Classification

(76) Inventors: **Robert J. Greenberg**, Los Angeles, CA (US); **Kelly H. McClure**, Simi Valley, CA (US); **Arup Roy**, Valencia, CA (US)

(51) **Int. Cl.**
A61N 1/00 (2006.01)

(52) **U.S. Cl.** **607/54; 607/141; 607/60**

- برای بیان شماره پتنت در پتنت های آمریکا مقابل کد ۱۰ از عبارت **Patent No** استفاده می گردد،
- اما برای بیان شماره اظهارنامه پتنت در پتنت های آمریکا مقابل کد ۱۰ از **Pub.No** استفاده می گردد،
- برای بیان تاریخ انتشار پتنت در پتنت های آمریکا مقابل کد ۴۵ از عبارت **Date of Patent** استفاده می گردد.
- اما برای بیان تاریخ انتشار اظهارنامه پتنت در پتنت های آمریکا مقابل کد ۴۳ از **Pub.Date** استفاده می گردد.

(12) **United States Patent**
Greenberg et al.

(10) **Patent No.:** **US 8,000,000 B2**
(45) **Date of Patent:** ***Aug. 16, 2011**

(54) **VISUAL PROSTHESIS**

(75) Inventors: **Robert J. Greenberg**, Los Angeles, CA (US); **Kelly H. McClure**, Simi Valley, CA (US); **Arup Roy**, Valencia, CA (US)

(73) Assignee: **Second Sight Medical Products, Inc.**, Sylmar, CA (US)

4,837,049 A	6/1989	Byers et al.	
5,109,844 A	5/1992	de Juan, Jr. et al.	
5,215,088 A	6/1993	Normann et al.	
5,569,307 A *	10/1996	Schulman et al.	607/56
5,935,155 A	8/1999	Humayun et al.	
6,400,989 B1	6/2002	Eckmiller	
6,458,157 B1 *	10/2002	Suanning	623/6.63
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2005/0078846 A1 *	4/2005	Single	381/326
2006/0247754 A1	11/2006	Greenberg et al.	

(19) **United States**

(12) **Patent Application Publication**
Greenberg et al.

(10) **Pub. No.:** **US 2008/0262568 A1**
(43) **Pub. Date:** **Oct. 23, 2008**

(54) **VISUAL PROSTHESIS**

(76) Inventors: **Robert J. Greenberg**, Los Angeles, CA (US); **Kelly H. McClure**, Simi Valley, CA (US); **Arup Roy**, Valencia, CA (US)

Publication Classification

(51) **Int. Cl.**
A61N 1/00

(2006.01)

(52) **U.S. Cl.** **607/54; 607/141; 607/60**

در پتنت های آمریکا (USPTO)، نام خانوادگی مخترع اول هم ممکن است زیر کد ۱۲ بعد از

مشخص نمودن نوع پتنت، نوشته شود.

اگر بیش از یک مخترع وجود داشته باشد از عبارت «et.al» به معنای “و بقیه”، بعد از نام

خانوادگی مخترع اول استفاده می شود.



US 20120082102A1

(19) **United States**

(12) **Patent Application Publication**

Kang et al.

(10) **Pub. No.: US 2012/0082102 A1**

(43) **Pub. Date: Apr. 5, 2012**

(54) **METHOD FOR INDICATING PRECODING
MATRIX INDICATOR IN UPLINK MIMO
SYSTEM WITH BASED ON SC-FDMA**

(30) **Foreign Application Priority Data**

Jul. 7, 2009 (KR) 10-2009-0061699

(75) **Inventors:** **Byeong Woo Kang**, Anyang-si
(KR); **Joon Kui Ahn**, Anyang-si
(KR); **Dong Youn Seo**, Anyang-si
(KR); **Jung Hoon Lee**, Anyang-si
(KR); **Yu Jin Noh**, Anyang-si (KR);
Byoung Hoon Kim, Anyang-si
(KR); **Suck Chel Yang**, Anyang-si
(KR); **Bong Hoe Kim**, Anyang-si
(KR); **Dae Won Lee**, Anyang-si
(KR)

Publication Classification

(51) **Int. Cl.**
H04W 74/04 (2009.01)
H04W 72/04 (2009.01)

(52) **U.S. Cl. 370/329**

(57) **ABSTRACT**

شماره اظهارنامه پتنت های آمریکا با سال انتشار اظهارنامه شروع می شود.

شکل انتشار تقاضانامه های ثبت اختراع به صورت گمراه کننده ای بسیار به پتنت های تأیید شده، شبیه است. در صورتی که ماهیت این دو سند بسیار با هم متفاوت است. شماره تقاضانامه های پتنت عموماً ۱۱ رقم است که با شماره سال انتشار شروع می شود، در صورتی که شماره پتنت اعطا شده، معمولاً تا ۸ رقم (از یک تا بالای ۱۰ میلیون) است. به همین دلیل هنگام بررسی آن باید به موضوع دقت کرد.



(19)	United States		
(12)	Patent Application Publication	(10) Pub. No.:	US 2010/0308792 A1
	Rupert et al.	(43) Pub. Date:	Dec. 9, 2010
(54)	BRANCH CURRENT MONITOR WITH CONFIGURATION	(22) Filed:	Apr. 22, 2010
		Related U.S. Application Data	

(12)	United States Patent	(10) Patent No.:	US 8,624,578 B2
	Rupert et al.	(45) Date of Patent:	Jan. 7, 2014
(54)	BRANCH CURRENT MONITOR WITH CONFIGURATION	(56)	References Cited
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(12) **United States Patent**
Ye et al.

(10) **Patent No.:** **US 10,905,837 B2**
(45) **Date of Patent:** **Feb. 2, 2021**

(54) **RESPIRATORY THERAPY CYCLE
CONTROL AND FEEDBACK**

(71) Applicant: **HILL-ROM SERVICES PTE. LTD.,**
Singapore (SG)

(72) Inventors: **Chau Chong Ye**, Singapore (SG);
Vinay Joshi, Singapore (SG); **Suresha
Venkataraya**, Singapore (SG);
Nookarajesh Varma Sangadi,
Singapore (SG); **Joel Preetham
Fernandes**, Singapore (SG); **Jack
Barney Sing**, Batesville, IN (US);
Eugene Hong Kheng Kung, Singapore
(SG); **Wei Teik Daniel Tan**, Singapore
(SG); **Cong Jiang**, Singapore (SG);
Siew Ying Koh, Singapore (SG);
Graham Keith Lacy, London (GB);
Sergio Malorni, Windsor (GB);
Alexander Cristian Hautenne Hanson,
Altrincham (GB)

(73) Assignee: **HILL-ROM SERVICES PTE. LTD.,**
Singapore (SG)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **16/381,289**

(22) Filed: **Apr. 11, 2019**

(65) **Prior Publication Data**
US 2019/0232001 A1 Aug. 1, 2019

Related U.S. Application Data
(63) Continuation of application No. 15/563,201, filed as
application No. PCT/SG2016/050166 on Apr. 1,
2016.

(Continued)

(30) **Foreign Application Priority Data**
Apr. 2, 2015 (MY) MYPI2015000844

(51) **Int. Cl.**
A61M 16/00 (2006.01)
A61M 16/08 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **A61M 16/0006** (2014.02); **A61M 16/0009**
(2014.02); **A61M 16/0069** (2014.02);
(Continued)

(58) **Field of Classification Search**
CPC **A61M 16/00**; **A61M 16/06-0694**; **A61M**
16/20-209; **A61M 16/0003-0012**;
(Continued)

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completed Jun. 23, 2016.
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Primary Examiner — Samchuan C Yao
Assistant Examiner — Ned T Heffner
(74) *Attorney, Agent, or Firm* — Barnes & Thornburg
LLP

(57) **ABSTRACT**

A respiratory device includes a blower having an inlet and
an outlet, a patient interface, and a valve including a valve
member that is rotatable through a first angular displacement
in a first direction from a first position to a second position.
The outlet of the blower is coupled to the patient interface
(Continued)





US 20120082102A1

(19) **United States**(12) **Patent Application Publication**
Kang et al.(10) Pub. No.: **US 2012/0082102 A1**
(43) Pub. Date: **Apr. 5, 2012**(54) **METHOD FOR INDICATING PRECODING
MATRIX INDICATOR IN UPLINK MIMO
SYSTEM WITH BASED ON SC-FDMA**(30) **Foreign Application Priority Data**

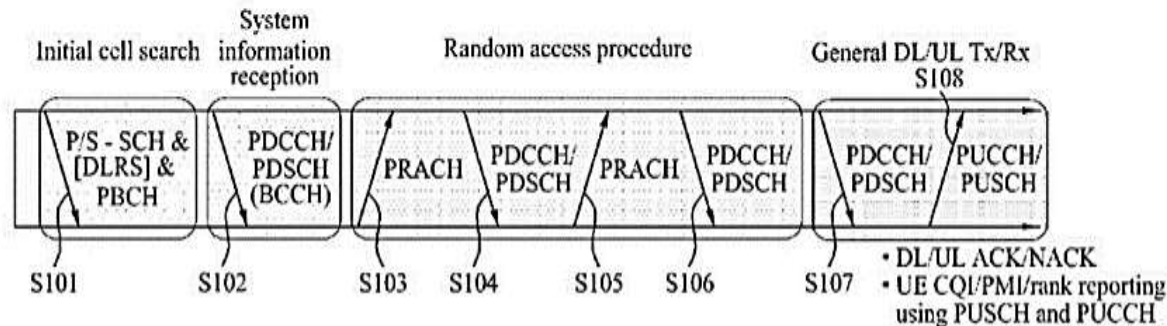
Jul. 7, 2009 (KR) 10-2009-0061699

(75) Inventors: **Byeong Woo Kang, Anyang-si
(KR); Joon Kul Ahn, Anyang-si
(KR); Dong Youn Seo, Anyang-si
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Byoung Hoon Kim, Anyang-si
(KR); Suck Chel Yang, Anyang-si
(KR); Bong Hoe Kim, Anyang-si
(KR); Dae Won Lee, Anyang-si
(KR)****Publication Classification**(51) **Int. Cl.**
H104W 74/04 (2009.01)
H104W 72/04 (2009.01)
(52) **U.S. Cl.** **370/329**(73) Assignee: **LG ELECTRONICS INC., Seoul
(KR)**(21) Appl. No.: **13/148,886**(22) PCT Filed: **Feb. 19, 2010**(86) PCT No.: **PCT/KR2010/001039**§ 371 (c)(1),
(2), (4) Date: **Nov. 14, 2011****Related U.S. Application Data**

(60) Provisional application No. 61/161,049, filed on Mar. 17, 2009, provisional application No. 61/157,206, filed on Mar. 4, 2009, provisional application No. 61/153,974, filed on Feb. 20, 2009.

(57) **ABSTRACT**

A method of transmitting PMI (precoding matrix indicator) information in an uplink MIMO system is disclosed. The present invention includes the steps of receiving channel information from a user equipment and transmitting information on a resource allocated to the user equipment in uplink transmission and PMI information indicating a precoding matrix to apply to a region of the resource among a plurality of precoding matrices to the user equipment based on the received channel information, wherein the resource allocated to the user equipment is allocated by a bundle unit of a prescribed number of subcarriers, wherein each of a plurality of the precoding matrices are applied to regions generated from dividing a whole frequency band into a prescribed number of regions, respectively, and wherein the precoding matrix applied to the resource among a plurality of the precoding matrices has a maximum area resulting from overlapping a frequency band occupied by the allocated resource with a frequency band having the precoding matrix applied thereto.



(12) **United States Patent**
Ye et al.

(10) **Patent No.:** US 10,905,837 B2
(45) **Date of Patent:** Feb. 2, 2021

(54) **RESPIRATORY THERAPY CYCLE
CONTROL AND FEEDBACK**

(51) **Int. Cl.**

A61M 16/00

(2006.01)

(2006.01)

(71) **Applicant:** HILL-ROM SERVICE
Singapore (SG)

گواهی ثبت اختراع
(Granted Patents)

(Continued)

(72) **Inventors:** Chau Chong Ye, Singapore (SG);
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Venkataraya, Singapore (SG);
Nookarajesh Varma Sangadi,
Singapore (SG); Joel Preetham
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Barney Sing, Batesville, IN (US);
Eugene Hong Kheng Kung, Singapore
(SG); Wei Teik Daniel Tan, Singapore
(SG); Cong Jiang, Singapore (SG);
Siew Yinn Koh, Singapore (SG)

(58) **Field of Classification Search**

CPC A61M 16/00; A61M 16/06-0694; A61M
16/20-209; A61M 16/0003-0012;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS



US 20120082102A1

(19) **United States**

(12) **Patent Application Publication**
Kang et al.

(10) **Pub. No.:** US 2012/0082102 A1
(43) **Pub. Date:** Apr. 5, 2012

(54) **METHOD FOR INDICATING PRECODING
MATRIX INDICATOR
SYSTEM WITH BASE**

(30)

Foreign Application Priority Data

(30) 10-2009-0061699

(75) **Inventors:**

Byeong (KR); J
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Byoung Hoon Kim, Anyang-si
(KR); Suck Chel Yang, Anyang-si
(KR); Bong Hoe Kim, Anyang-si
(KR); Dae Won Lee, Anyang-si
(KR)

اظہارنامہ منتشر شدہ
(Published Applications)

Classification

(51) **Int. Cl.**

H04W 74/04

(2009.01)

H04W 72/04

(2009.01)

(52) **U.S. Cl.** 370/329

(57)

ABSTRACT

A method of transmitting PMI (precoding matrix indicator)

پتنت های اتحادیه اروپا (EP)



گواهی ثبت اختراع (Granted Patents)

(19)  (11) EP 2 670 856 B1

(12) EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention of the grant of the patent:
27.06.2018 Bulletin 2018/26

(21) Application number: 12742728.4

(22) Date of filing: 03.02.2012

(51) Int. Cl.:
C12Q 1/00 (2006.01) G01N 33/53 (2006.01)
G01N 33/543 (2006.01)

(86) International application number:
PCT/US2012/023859

(87) International publication number:
WO 2012/106658 (09.08.2012 Gazette 2012/32)

(54) METHODS AND COMPOSITIONS FOR HIGHLY SPECIFIC CAPTURE AND RELEASE OF BIOLOGICAL MATERIALS

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR HOCHSPEZIFISCHEN ERFASSUNG UND FREISETZUNG BIOLOGISCHER MATERIALIEN

PROCÉDÉS ET COMPOSITIONS POUR LA CAPTURE ET LA LIBÉRATION HAUTEMENT SPÉCIFIQUES DE MATIÈRES BIOLOGIQUES

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: 03.02.2011 US 2011/0143916 P

(43) Date of publication of application:
11.12.2013 Bulletin 2013/50

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• HATCH, Adam
Cambridge, MA 02139 (US)
• HANSMANN, George
30171 Hannover (DE)

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1 City Walk
Leeds LS11 9DX (GB)

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اظهارنامه منتشر شده (Published Applications)

(19)  (11) EP 2 149 302 A2

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
03.02.2010 Bulletin 2010/05

(21) Application number: 09009680.1

(22) Date of filing: 27.07.2009

(51) Int. Cl.:
A01M 23/30 (2006.01)

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
AL BA RS

(30) Priority: 28.07.2008 US 219729

(71) Applicant: Woodstream Corporation
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• Lubic, Marco Konstantin
Shillington, Pennsylvania 19607 (US)
• Greisman, Gregory
Elkridge, Maryland 21075 (US)

(74) Representative: Zinnecker, Armin et al
Lorenz Seidler Gossel
Rechtsanwälte - Patentanwälte
Widenmayerstrasse 23
80538 München (DE)

(54) Single use hermetically sealing enclosure-type mousetrap with killing mechanism

(57) A single use, hermetically sealing mousetrap (10) has a housing defining an enclosure (16) that is accessible through a rotatably mounted door controlled by a spring-loaded door opening gear mechanism. Mounted to the bottom of the housing inside the enclosure is a spring-actuated setting axle/kill bar (24) and setting bar combination that is movable between a kill position and a set position by manipulation of a setting handle (26) positioned outside the enclosure. When the setting axle/kill bar is moved to the set position, the door opening gear mechanism (30) causes the door to open while tensioning a torsional door spring. A trip latch (172) and bait

pedal (32) are configured to operate together to secure the kill and setting bars in the set position, with subsequent movement of the bait pedal by a mouse serving to release the trip latch. When the trap is thereby triggered, the kill bar moves rapidly to the kill position while releasing the door opening gear mechanism. The tensioned door spring then closes the door. With the door closed, the enclosure is hermetically sealed with the dead mouse inside and the trap can be disposed of without any contact between the user and the carcass along with any parasites and pathogens associated therewith.



در پتنت های اتحادیه اروپا (EP)
اگر پتنت، گرنٹ شده باشد، جلوی کد ۱۲
عبارت **European Patent Specification** نوشته می شود.

در پتنت های اتحادیه اروپا (EP)
اگر پتنت گرنٹ نشده باشد، جلوی کد ۱۲
عبارت **European Patent Application** نوشته می شود.

اظهارنامه پتنت اتحاديه اروپا

(19)



(11)

EP 2 256 678 A1

(12)

EUROPEAN PATENT APPLICATION

(43)

Date of publication:

01.12.2010 Bulletin 2010/48

(51) Int Cl.:

G06Q 10/00 (2006.01)

(21)

Application number: 09007119.2

(22)

Date of filing: 28.05.2009

(84)

Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK TR

Designated Extension States:

AL BA RS

(71)

Applicant: OCCAR; Organisation Conjointe de
Cooperation
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53175 Bonn (DE)

(72)

Inventor: Aliberti, Carlo
00152 Rome (IT)

(54)

Method, system and computer-readable medium for predicting the operational availability of a weapon system

پتنت گرنت شده اتحادیه اروپا

(19)



(11)

EP 3 283 705 B1

(12)

EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention
of the grant of the patent:
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(21) Application number: **16780376.6**

(22) Date of filing: **08.04.2016**

(51) Int Cl.:

<i>E04B 2/88</i> (2006.01)	<i>A47H 1/10</i> (2006.01)
<i>B66C 1/66</i> (2006.01)	<i>E04B 1/94</i> (2006.01)
<i>E04G 1/14</i> (2006.01)	<i>F21V 21/04</i> (2006.01)
<i>F21V 33/00</i> (2006.01)	<i>E04G 21/14</i> (2006.01)

(86) International application number:
PCT/SE2016/050297

(87) International publication number:
WO 2016/167705 (20.10.2016 Gazette 2016/42)

(54) **FACADE ELEMENT AND LIFTING RAIL**
FASSADENELEMENT UND HEBESCHIENE
ÉLÉMENT DE FAÇADE ET RAIL DE LEVAGE

European (EP) Patent : [EP3581089B1](#)



(11) **EP 3 581 089 B1**

[Document type](#) (12)

EUROPEAN PATENT SPECIFICATION

[Publication number](#)

(45) Date of publication and mention
of the grant of the patent:
23.12.2020 Bulletin 2020/52

[Publication date](#)

(51) Int Cl:
A61B 3/16 (2006.01)

[Classification](#)

[Application number](#) (21) Application number: **19177792.9**

[Application date](#) (22) Date of filing: **02.06.2019**

[Title](#) (54) **REBOUND TONOMETRY METHOD AND APPARATUS**

VERFAHREN UND VORRICHTUNG FÜR REBOUND-TONOMETRIE
PROCÉDÉ ET APPAREIL DE TONOMÉTRIE À REBOND

[Designated States](#) (84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

[Priority data](#) (30) Priority: **13.06.2018 US 201816007501**

[Application
publication date](#) (43) Date of publication of application:
18.12.2019 Bulletin 2019/51

[Original Assignee/
location](#) (73) Proprietor: **Reichert, Inc.
Depew, NY 14043 (US)**

[Inventor/location](#) (72) Inventor: **MARTIN, Gabriel
1625 Buenos Aires (AR)**

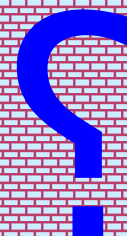
(74) Representative: **Bishton, Amy Virginia** [Agency](#)
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Waterloo Street
Birmingham B2 5PP (GB)

(56) References cited:
WO-A1-2017/103330 CN-A- 101 773 381
CN-B- 104 274 153 DE-A1-102006 037 767
US-A- 6 093 147 US-A1- 2005 137 473
US-A1- 2008 103 381

[Cited documents
/References](#)

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 3 581 089 B1





(1.1)

EP 3 581 089 A1

Publication number

Document type (12)

EUROPEAN PATENT APPLICATION

Publication date

(43) Date of publication:
18.12.2019 Bulletin 2019/51

(51) int CL:

A61B 3/16 (2006-01) Classification

Classification

Application number

(21) Application number: 19177792.9

Application date

(22) Date of filing: 02.06.2019

Designated States

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

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Applicant/location

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Inventor/location

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Priority data

(30) Priority: 13.06.2018 US 201816007501

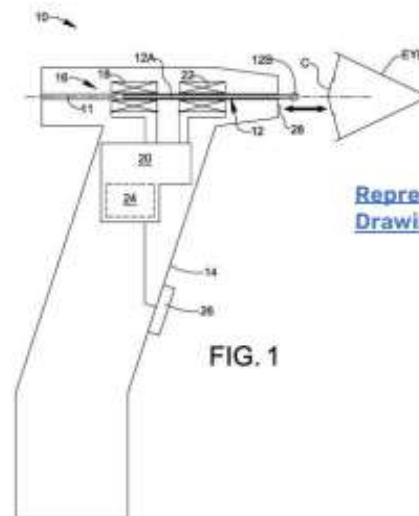
Title

(54) REBOUND TONOMETRY METHOD AND APPARATUS

Abstract

(57) Viscoelastic properties of the cornea are derived from an ophthalmic measurement signal representing velocity as a function of time of a contact probe rebounded by the eye. The viscoelastic properties include a "Lost Energy Ratio" (LER), a "Time Shift" (TS), a damping parameter (σ), and an elastic parameter (η). An improved

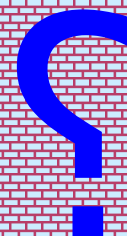
method for determining intra-ocular pressure from the measurement signal is also disclosed, wherein a first derivative of the measurement signal at a moment in time when velocity of the probe is zero due to contact of the probe with the cornea is calculated and correlated to an intra-ocular pressure value.



Representative Drawing

FIG. 1

EP 3 581 089 A1



اظهارنامه PCT

- معاهده همکاری ثبت اختراع Patent Cooperation Treaty به اختصار (PCT)، پیمان بین‌المللی است که زیر نظر سازمان جهانی مالکیت فکری WIPO فعالیت می‌کند.
- بر اساس این معاهده، مخترع تنها با ارائه یک اظهارنامه می‌تواند فرایند ثبت را در کلیه کشورهای عضو (۱۵۷ کشور) بر اساس همان اظهارنامه و با توجه به حق تقدم اولین افشاء آن ادامه دهد.
- در فرآیند PCT تصمیم‌گیری در مورد اعطاء گواهی ثبت اختراع در حیطه اختیارات ادارات ملی ثبت اختراع کشورهای عضو و یا ادارات منطقه‌ای ثبت اختراع می‌باشد.
- فرایند PCT به متقاضی ۳۰ ماه فرصت می‌دهد تا در خصوص انتخاب کشور هدف برای ثبت اختراع تصمیم بگیرد.

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
20 September 2007 (20.09.2007)(10) International Publication Number
WO 2007/105956 A1

(51) International Patent Classification:

G01V 3/12 (2006.01) G01R 29/12 (2006.01)
G01R 29/08 (2006.01) G01R 1/38 (2006.01)

(21) International Application Number:

PCT/NO2007/000095

(22) International Filing Date: 12 March 2007 (12.03.2007)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:

20061220 15 March 2006 (15.03.2006) NO

(71) Applicant (for all designated States except US): ADVANCED HYDROCARBON MAPPING AS [NO/NO]; Skogstøstraen 37 (4. etg.), N-4029 Stavanger (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FAINBERG, Edward, B. [RU/NL]; Longkruud 16, NL-3824 PD Amersfoort (NL). BARSUKOV, Pavel [RU/NL]; Longkruud 16, NL-3824 PD Amersfoort (NL). SINGER, Bension, Sh. [AU/AU]; 10 Balmoral Street, East Victoria Park, Western Australia 6101 (AU).

(74) Agent: HÅMSØ PATENTBYRÅ ANS; P.O. Box 171, N-4302 Sandnes (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

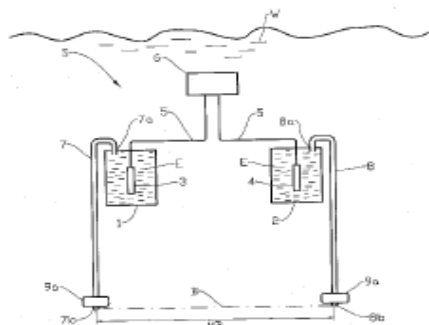
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTRIC FIELD SENSOR FOR MARINE ENVIRONMENTS



(57) Abstract: A sensor (S) for marine measurements of an electric field, the sensor (S) including at least two electrodes (3, 4); signal transmission means (5) for transmitting measured signals from the sensor (S) to a signal processing unit (6); at least two closed containers (1, 2) which are formed of a non-conductive material and are filled with an electrolyte (E); at least two flexible hoses (7, 8) formed of an electrically non-conductive material; there being attached in a fluid-communicating manner to each of the containers at least one first hose end (7a, 8a), and a second hose end (7b, 8b) being open and attached to means (9a, 9b) for exact positioning of the second hose end (7b, 8b); the hoses (7, 8) being arranged to be filled with a medium (W) of the same type as that, in which the sensor (S) is arranged to be immersed in an operative condition; and two containers (1, 2) forming a pair of containers, the two containers (1, 2), relatively, being placed close to each other under approximately identical thermal, pressure and chemical conditions.

اظهارنامه PCT در
فاز بين المللى

فازهای ملی و بین‌المللی در پروتکل PCT

- ثبت اختراع از مسیر PCT شامل دو فاز بین‌المللی و ملی است.
- ثبت اختراع از مسیر PCT با ثبت یک پرونده بین‌المللی آغاز می‌شود.
(فاز بین‌المللی)
- در ادامه با توجه به اولویت و تصمیم متقاضی، می‌تواند به تعدادی پتنت گرنه شده در دفاتر ثبت اختراع ملی و یا منطقه‌ای خاتمه یابد. (فاز ملی)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 April 2009 (23.04.2009)

PCT

(10) International Publication Number
WO 2009/050487 A8

کد ۱۲ نشان می دهد که پتنت در فاز بین المللی PCT منتشر شده است.
تنها در فاز بین المللی، پتنت به صورت فوق انتشار می یابد.
عبارت WO جلوی کد ۱۰، نشان می دهد که این پتنت از طریق سیستم ثبت اختراع PCT در سازمان
جهانی مالکیت فکری (WIPO) به ثبت رسیده است.

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 April 2009 (23.04.2009)

PCT

(10) International Publication Number
WO 2009/050487 A8

علاوه بر کد ۱۲، کد شماره ۱۹ هم مشخص کننده ی کشور یا ناحیه یا سیستمی است که اختراع در آنجا به ثبت رسیده است.

کد ۱۹ در شکل فوق نشان می دهد که پتنت در سیستم PCT منتشر شده است و عبارت International Bureau در جلوی این کد نشان می دهد که پتنت در دفتر مرکزی سازمان جهانی مالکیت فکری WIPO به ثبت رسیده است.

International Bureau : دفتر بین المللی سازمان جهانی مالکیت فکری علاوه بر وظیفه دریافت درخواست از کشورهای عضو، ارتباط و تعامل با کلیه دفاتر دریافت کننده پرونده های ثبت اختراع «PCT» در سرتاسر جهان و پیگیری پرونده های مذکور را بر عهده دارد.

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

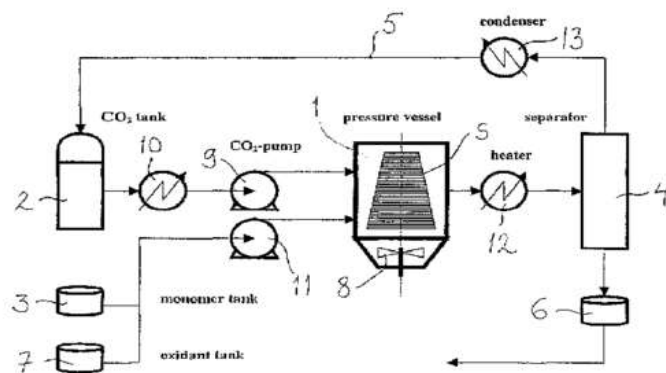
(10) International Publication Number
WO 2005/071696 A1

- (51) International Patent Classification⁷: **H01B 1/12**,
C08J 7/04
- (21) International Application Number:
PCT/FI2005/000053
- (22) International Filing Date: 27 January 2005 (27.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20040114 27 January 2004 (27.01.2004) FI
- (71) Applicant (for all designated States except US): **VALTION TEKILLINEN TUTKIMUSKESKUS** [FI/FI];
Vuorimiehentie 5, FI-02150 Espoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PELTO, Jani** [FI/FI]; Kullaantie 11 A 2, FI-33960 Pirkkala (FI).
AALTO, Samu [FI/FI]; Kemiankatu 1 C 17, FI-33720 Tampere (FI). **LAITINEN, Antero** [FI/FI]; Kummelivourentie 3 B 45, FI-02330 Espoo (FI).
- (74) Agent: **TAMPEREEN PATENTTITOIMISTO OY**;
Hermiankatu 12 B, FI-33720 Tampere (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AF, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CI, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GI, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SI, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GI, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SI, SK, TR), OAPI (BF, BJ, CI, CG, CL, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

پتنت در فاز بین المللی PCT

[Continued on next page]

(54) Title: PROCESS FOR DEPOSITION OF CONDUCTIVE POLYMER COATINGS IN SUPERCRITICAL CARBON DIOXIDE



(57) Abstract: A method for forming an electrically conductive polymeric surface on a solid polymeric substrate (S) comprises the following successive steps: 1) treatment of the solid polymeric substrate (S) in a pressure reactor (1) with a first supercritical or liquid carbon dioxide phase containing a monomer to cause the monomer to enter the structure of the polymeric substrate, 2) removal of the first supercritical or liquid carbon dioxide phase from the reactor (1), together with possible residues of the monomer 3) feeding of a second supercritical or liquid carbon dioxide phase containing an oxidative agent into the reactor (1) into contact with the substrate (S) that has remained in the reactor, and 4) performing in-situ oxidative polymerization of the monomer in the polymeric substrate with the help of the oxidative agent to form an electrically conductive polymer surface on the polymeric substrate (S), 5) removal of the second supercritical or liquid carbon dioxide phase from the reactor.

**کد شماره ی ۱۰ در پتنت های سیستم PCT و ثبت اختراع
آمریکا (USPTO) و کد شماره ۱۱ در پتنت های اروپا :**

- شماره ی انتشار پتنت یا اظهار نامه
- محل ثبت و انتشار پتنت
- نوع پتنت پیش رو

European (EP) Patent : [EP3581089B1](#)



(11) **EP 3 581 089 B1**

Document type (12)

EUROPEAN PATENT SPECIFICATION

Publication number

Publication date (45) Date of publication and mention of the grant of the patent:
23.12.2020 Bulletin 2020/52

(51) Int Cl: **A61B 3/16** (2006.01) **Classification**

Application number (21) Application number: **19177792.9**

Application date (22) Date of filing: **02.06.2019**

Title (54) **REBOUND TONOMETRY METHOD AND APPARATUS**

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



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(51) International Patent Classification: **H01B 1/12**,
C08J 7/04

(21) International Application Number:
PCT/JP2005/000053

(22) International Filing Date: 27 January 2005 (27.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20040114 27 January 2004 (27.01.2004) JP

(71) Applicant (for all designated States except US): VAL-
TION TEKILLINEN TUTKIMUSKESKUS (FI/FI);

(74) Agent: TAMPEREEN PATENTITOIMISTO OY,
Hermiankatu 12 B, FI-33720 Tampere (FI);

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CL, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GL, GM, GR, GU, HK, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GL,
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,

(12) **United States Patent**
Ye et al.

(10) Patent No.: **US 10,905,837 B2**
(45) Date of Patent: **Feb. 2, 2021**

(54) **RESPIRATORY THERAPY CYCLE
CONTROL AND FEEDBACK**

(51) Int. Cl.
A61M 16/00 (2006.01)
A61M 16/08 (2006.01)

(71) Applicant: **HILL-ROM SERVICES PTE. LTD.,**
Singapore (SG)

(52) U.S. Cl.
CPC **A61M 16/0006** (2014.02); **A61M 16/0009**
(2014.02); **A61M 16/0069** (2014.02);
(Continued)

(72) Inventors: **Chau Chong Ye**, Singapore (SG);
Vinay Joshi, Singapore (SG); **Suresha**
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Nookarajesh Varma Sangadi,
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Eugene Hong Kheng Kung, Singapore
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(SG); **Cong Jiang**, Singapore (SG);
Siew Ying Koh, Singapore (SG);
Graham Keith Lacy, London (GB);
Sergio Malorni, Windsor (GB);
Alexander Cristian Hautenne Hanson,

(58) Field of Classification Search
CPC **A61M 16/00**; **A61M 16/06-0694**; **A61M**
16/20-209; **A61M 16/0003-0012**;
(Continued)

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(Continued)

منظور از مشخص کردن نوع پتنت چیست؟

- آیا پتنت گرنت شده است یا خیر.
- آیا اظهار نامه اصلاح شده است یا خیر؟
- آیا گزارش جست و جو و بررسی توسط ممیزین در پتنت موجود قابل رویت است یا خیر؟ (در مورد پتنت های اروپا و PCT)
- آیا پتنت پیش رو، از انواع پتنت های کاربردی «Utility Patent»، پتنت های طراحی «Design Patent» یا پتنت های گیاهی «Plant Patent» می باشد؟
- آیا از انواع پتنت هایی است که مجددا گرنت آنها مورد بررسی قرار گرفته است (reissue)؟
- آیا اظهار نامه های (Application) پتنت های گرنت شده قبلا انتشار یافته است؟
- آیا اختراع پیش رو، علاوه بر گزارش جست و جو و بررسی اولیه، حاوی گزارش مکمل بررسی کنندگان نیز هست یا خیر؟ (در مورد پتنت های اروپا و PCT)



US011026577B2

Document type (12) **United States Patent**
Martin

(10) **Patent No.:** **US 11,026,577 B2**

(45) **Date of Patent:** **Jun. 8, 2021**



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Document type (19) **United States**
(12) **Patent Application Publication**
MARTIN

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(43) **Pub. Date:** **Dec. 19, 2019**

European (EP) Patent : [EP3581089B1](#)



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Document type (12)

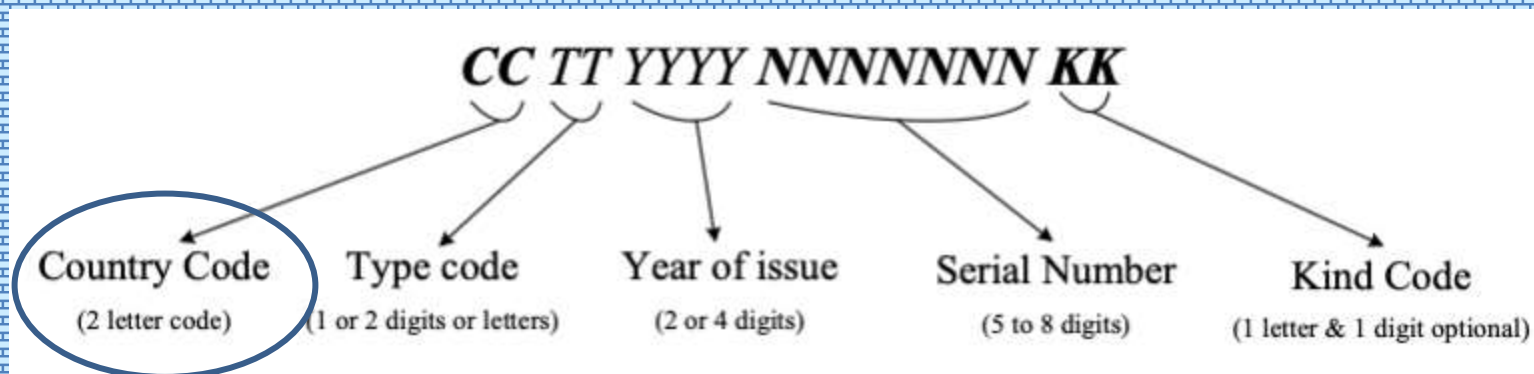
EUROPEAN PATENT SPECIFICATION



(11) **EP 3 581 089 A1**

Document type (12)

EUROPEAN PATENT APPLICATION



A two-letter code identifier for the country where the patent is filed.
Also referred to as the country code.

Some two letter country codes which you may encounter are:

- (CN) China
- (CH) Switzerland
- (DE) Germany
- (EP) European Patent Office
- (FR) France
- (GB) United Kingdom
- (JP) Japan
- (NL) Netherlands
- (US) USA
- (WO) Patent Cooperation Treaty

(19)



(11)

EP 3 564 144 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

06.11.2019 Bulletin 2019/45

(51) Int. Cl.:

B65D 6/02 (2006.01)

B65D 8/00 (2006.01)

B65D 6/00 (2006.01)

B65D 13/02 (2006.01)

B65D 21/02 (2006.01)

B65D 1/02 (2006.01)

(21) Application number: 18275163.6

(22) Date of filing: 17.10.2018

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

Designated Extension States:

BA ME

Designated Validation States:

KH MA MD TN

(71) Applicant: Thaler, Stephen L.

SL Charles MO 63303 (US)

(72) Inventor: The designation of the inventor has not yet been filed

(74) Representative: Williams Powell

11 Staple Inn

London WC1V 7QH (GB)

Remarks:

•The designation of inventor does not meet the requirements laid down in Article 81 and Rule 19 EPC.

•Amended claims in accordance with Rule 137(2) EPC.

(54) FOOD CONTAINER

(57) A container (10) for use, for example, for beverages, has a wall (12) with an external surface (14) and an internal wall (16) of substantially uniform thickness. The wall (12) has a fractal profile which provides a series of fractal elements (18-28) on the interior and exterior surfaces (14-16), forming pits (40) and bulges (42) in the profile of the wall and in which a pit (40) as seen from

one of the exterior or interior surfaces (12, 14) forms a bulge (42) on the other of the exterior or interior surfaces (12, 14). The profile enables multiple containers to be coupled together by inter-engagement of pits and bulges on corresponding ones of the containers. The profile also improves grip, as well as heat transfer into and out of the container.

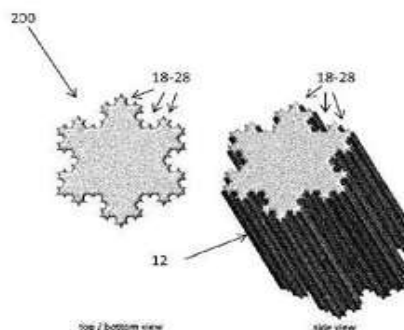
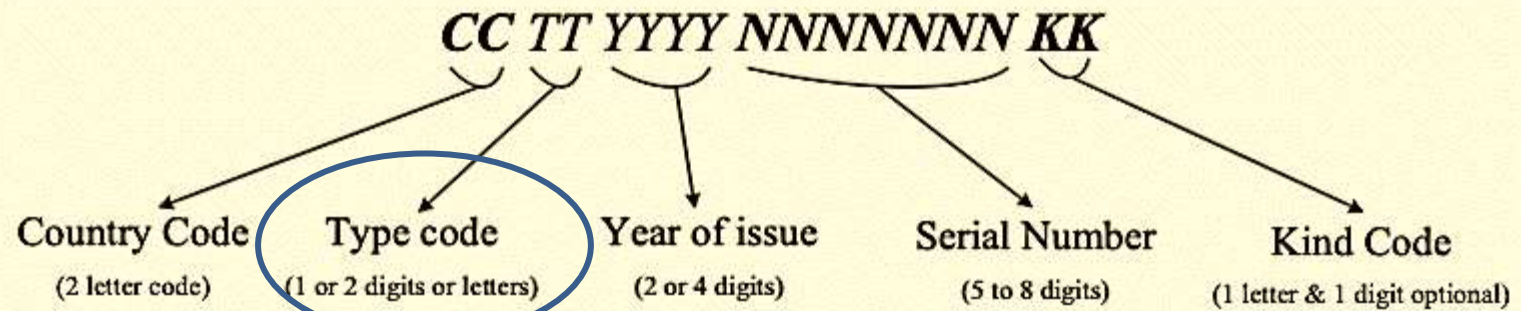


Fig. 6

EP 3 564 144 A1

- مثلاً شماره ی انتشار یک پتنت به صورت **CN 102818564 A** نشان می دهد که این پتنت در چین به ثبت رسیده است.
- عبارت **WO** جلوی کد ۱۰، نشان می دهد که این پتنت از طریق سیستم ثبت اختراع **PCT** در سازمان جهانی مالکیت فکری (**WIPO**) به ثبت رسیده است.
- عبارت **EP** جلوی کد ۱۱ نشان می دهد که این پتنت در سیستم ثبت اختراع اتحادیه ی اروپا (**EPO**) به ثبت رسیده است.
- عبارت **US** جلوی کد ۱۰ نشان می دهد که این پتنت در سیستم ثبت اختراع آمریکا (**USPTO**) به ثبت رسیده است.



- A special (type/class code) 1-2 digit or letter code
- which is typically used to indicate the type of the patent
 - **i.e. Plant patent, utility patent, design patent, etc.**
- this code is determined by the relevant patent office
- and is only used by some offices

•Design Patent

“US D811,321 S”

S پتنت های طرح صنعتی. (در پتنت های طراحی صنعتی، قبل از شماره ی انتشار، حرف D می آید).

(12) **United States Design Patent** (10) **Patent No.:** **US D811,321 S**
Pizzorno et al. (45) **Date of Patent:** **** Feb. 27, 2018**

(54) **CAR TIRE**
(71) Applicant: **Pirelli Tyre S.p.A.**, Milan (IT)
(72) Inventors: **Tommaso Pizzorno**, Milan (IT);
Claudio Minoli, Milan (IT); **Daniele Lorenzetti**, Milan (IT)
(73) Assignee: **PIRELLI TYRE S.P.A.**, Milan (IT)

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Plant Patent

“US PP28,613”

(در پتنت های گیاهی، قبل از شماره ی انتشار، حرف PP می آید).

(12) **United States Plant Patent**
Hansen

(10) **Patent No.:** **US PP28,613 P2**
(45) **Date of Patent:** **Nov. 7, 2017**

(54) **X MANGAVE PLANT NAMED ‘PINEAPPLE EXPRESS’**

(50) Latin Name: *Manfreda*×*Agave* hybrid
Varietal Denomination: **Pineapple Express**

(71) Applicant: **Hans A. Hansen**, Zeeland, MI (US)

(72) Inventor: **Hans A. Hansen**, Zeeland, MI (US)

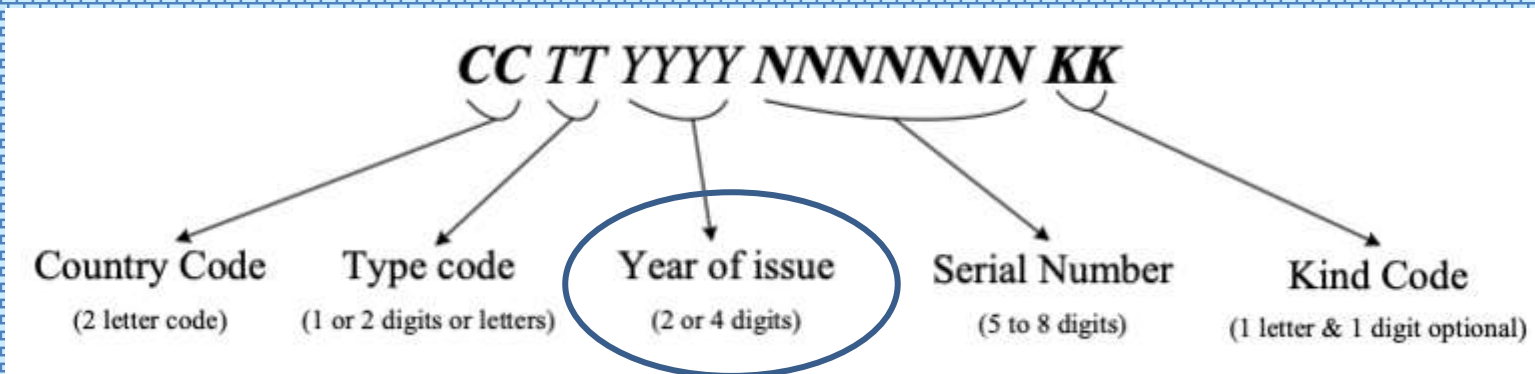
(73) Assignee: **Walters Gardens Inc.**, Zeeland, MI

(52) **U.S. Cl.**
USPC **Plt./373**

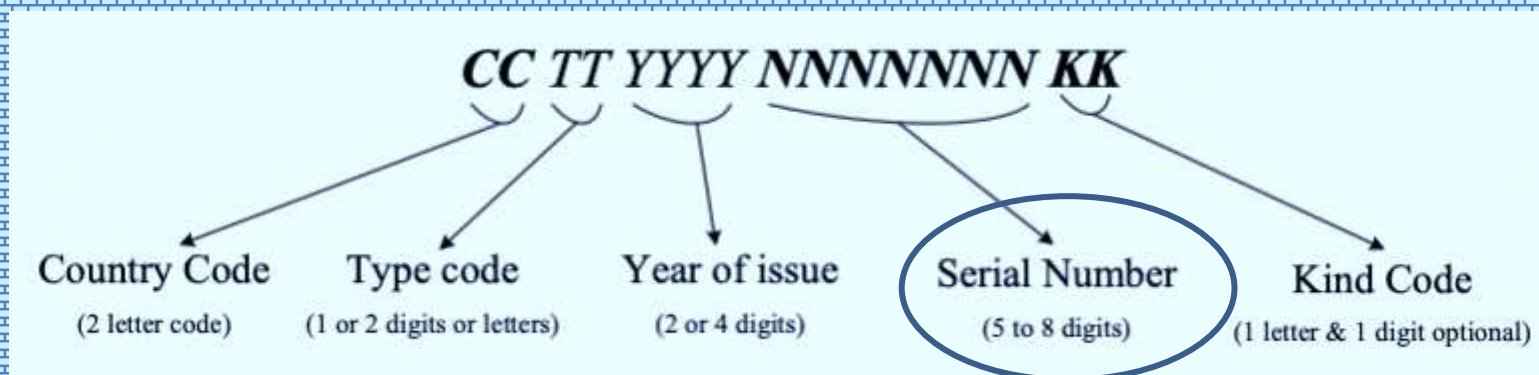
(58) **Field of Classification Search**
USPC **Plt./373**
See application file for complete search history.

Primary Examiner — Susan McCormick Ewoldt

Assistant Examiner — Karen Redden

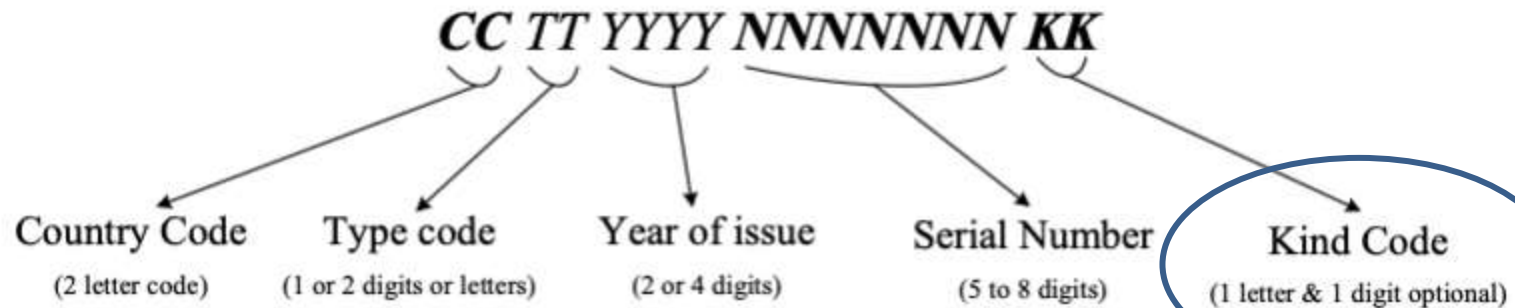


The year identifier (typically 2 or 4 digits) referring to the year the patent was issued.
(This is not used by all offices or during the whole application process)



A unique **serial number** containing several digits (typically 5-8 digits).

(This could be a continuous series or an annual series if the year identifier is used)



A kind code, which indicates the kind of patent document, and the level of publication.

(typically 1 letter appended by 1 optional digit).

کدهای استاندارد انتشار پتنت

Kind Codes

توضیحات:

طبق استاندارد سازمان جهانی مالکیت فکری، هنگام انتشار یک پتنت، کدهایی برای توصیف نوع انتشار و مرحله آن درج می شود.

- **A kind code** includes a letter, and in many cases a number, used to distinguish:

- ☐ **the kind of patent document**. e.g.,

- ❖ patent application publication,
- ❖ patent,
- ❖ plant patent application publication,
- ❖ plant patent,
- ❖ or design patent

- ☐ and **the level of publication** e.g.,

- ❖ first publication,
- ❖ second publication,
- ❖ or corrected publication.

اظهار نامه های منتشر شده در آمریکا:

معانی حروف بعد از شماره ی انتشار روبروی کد ۱۰

A1: اظهار نامه ی (Application) منتشر شده (یا نسخه ی گرنت نشده ی پتنت).

اگر اظهار نامه بیش از یک بار انتشار یابد، این حرف به صورت **A2** و ... نمایش داده می شود.

A9: اظهار نامه ی (Application) اصلاح شده ی پتنت

(corrected published patent application).



US 20120082102A1

(19) **United States**(12) **Patent Application Publication****Kang et al.**(10) **Pub. No.: US 2012/0082102 A1**(43) **Pub. Date: Apr. 5, 2012**(54) **METHOD FOR INDICATING PRECODING MATRIX INDICATOR IN UPLINK MIMO SYSTEM WITH BASED ON SC-FDMA**(30) **Foreign Application Priority Data**

Jul. 7, 2009 (KR) 10-2009-0061699

(75) Inventors: **Byeong Woo Kang**, Anyang-si (KR); **Joon Kui Ahn**, Anyang-si (KR); **Dong Youn Seo**, Anyang-si (KR); **Jung Hoon Lee**, Anyang-si (KR); **Yu Jin Noh**, Anyang-si (KR); **Byoung Hoon Kim**, Anyang-si (KR); **Suck Chel Yang**, Anyang-si (KR); **Bong Hoe Kim**, Anyang-si (KR); **Dae Won Lee**, Anyang-si (KR)

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

(21) Appl. No.: **13/148,886**

(22) PCT Filed: **Feb. 19, 2010**

(86) PCT No.: **PCT/KR2010/001039**

§ 371 (c)(1),
(2), (4) Date: **Nov. 14, 2011**

Related U.S. Application Data

(60) Provisional application No. 61/161,049, filed on Mar. 17, 2009, provisional application No. 61/157,206, filed on Mar. 4, 2009, provisional application No. 61/153,974, filed on Feb. 20, 2009.

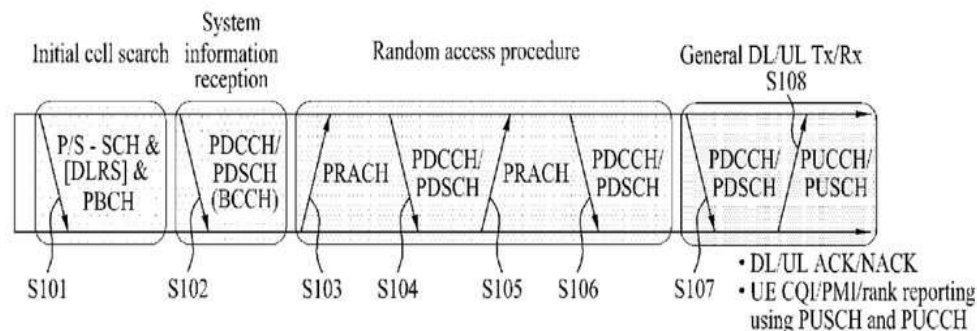
Publication Classification

(51) **Int. Cl.**
H04W 74/04 (2009.01)
H04W 72/04 (2009.01)

(52) **U.S. Cl.** **370/329**

(57) **ABSTRACT**

A method of transmitting PMI (precoding matrix indicator) information in an uplink MIMO system is disclosed. The present invention includes the steps of receiving channel information from a user equipment and transmitting information on a resource allocated to the user equipment in uplink transmission and PMI information indicating a precoding matrix to apply to a region of the resource among a plurality of precoding matrices to the user equipment based on the received channel information, wherein the resource allocated to the user equipment is allocated by a bundle unit of a prescribed number of subcarriers, wherein each of a plurality of the precoding matrices are applied to regions generated from dividing a whole frequency band into a prescribed number of regions, respectively, and wherein the precoding matrix applied to the resource among a plurality of the precoding matrices has a maximum area resulting from overlapping a frequency band occupied by the allocated resource with a frequency band having the precoding matrix applied thereto.

**:A1**

(application) اظهار نامه ی
منتشر شده
(یا نسخه ی گزینشده ی پتنت).

پتنت های منتشر شده در آمریکا:

معانی حروف بعد از شماره ی انتشار روبروی کد ۱۰

B1 پتنت گرنت شده ای که قبلا اظهار نامه ی (Application) آن منتشر نشده است.

B2 پتنت گرنت شده ای که قبلا اظهار نامه ی (Application) آن منتشر شده است.

(12) **United States Patent**
Danner et al.

(10) **Patent No.:** **US 10,676,382 B1**
(45) **Date of Patent:** **Jun. 9, 2020**

(54) **SYSTEM AND METHOD FOR BIOLOGICALLY TREATING WASTEWATER USING LOW DENSITY, HIGH SURFACE AREA SUBSTRATES**

(71) **Applicant:** **ENTEX Technologies, Inc., Chapel Hill, NC (US)**

(72) **Inventors:** **Jeffrey B Danner, Chapel Hill, NC (US); Wayne J Flournoy, Carboro, NC (US)**

(73) **Assignee:** **ENTEX Technologies, Inc., Chapel Hill, NC (US)**

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(h) by 0 days.

(21) **Appl. No.:** **16/147,144**

(22) **Filed:** **Sep. 28, 2018**

Related U.S. Application Data

(60) **Provisional application No. 62/565,800, filed on Sep. 29, 2017.**

(51) **Int. CL**
C02F 3/10 (2006.01)
C02F 3/32 (2006.01)
C02F 3/30 (2006.01)
C02F 3/20 (2006.01)

(52) **U.S. CL**
CPC **C02F 3/103** (2013.01); **C02F 3/20** (2013.01); **C02F 3/301** (2013.01); **C02F 3/32** (2013.01)

(58) **Field of Classification Search**
CPC — **C02F 3/103; C02F 3/06; C02F 3/10; C02F 3/101; C02F 3/02; C02F 3/20**
USPC **210/615**
See application file for complete search history.

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210:150
2007.0267344 A1 * 11/2007 Tharp **A01K 63/04**
210:605

* cited by examiner

Primary Examiner — **Claire A Norris**

(74) **Attorney, Agent, or Firm** — **MacConl Mason PLLC**

(57) **ABSTRACT**

A treatment system of the present invention generally includes a plurality of low density, high surface area sheets anchored in parallel along their bottom ends to fixed base. The sheets are buoyant in wastewater, and generally vertically oriented although able to flex and sway independently. Substantially all regions of substantially all sheets are aerated. The sheets are constructed of an open weave substrate that allows the diffusion of gas, nutrients and food, while protecting and serving as an attachment site for a variety of microbial colonies in both anoxic and aerobic zones. In use a system of the present invention is inserted into a wastewater reservoir, and aerated, for treatment of the wastewater.

16 Claims, 6 Drawing Sheets

B1 پتنت گرنت شده ای که قبلا اظهار نامه ی (Application) آن منتشر نشده است.



US008992082B2

(12) **United States Patent**
Zhang et al.

(10) **Patent No.:** **US 8,992,082 B2**
(45) **Date of Patent:** **Mar. 31, 2015**

(54) **G-ARM X-RAY IMAGING APPARATUS**

(56) **References Cited**

(71) Applicants: **Jun Zhang**, Needham, MA (US); **Liu Cao**, Needham, MA (US); **Shiyu Wei**, Needham, MA (US); **Sean Zhu**, Needham, MA (US)

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(72) Inventors: **Jun Zhang**, Needham, MA (US); **Liu Cao**, Needham, MA (US); **Shiyu Wei**, Needham, MA (US); **Sean Zhu**, Needham, MA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

B2: پتنت گرنٹ شده ای که قبلاً اظهار نامه ی آن (application) منتشر شده است.

پتنت های منتشر شده در آمریکا:

معانی حروف بعد از شماره ی انتشار روبه روی کد ۱۰

C1 گواهی بررسی مجدد: Reexamination Certificate

اگر بیش از یک گواهی وجود داشته باشد، گواهی ها به ترتیب C3 , C2 و ... نام می گیرند. قبل از سال ۲۰۰۱، این گواهی ها همگی با B1 شناخته می شد.

بررسی مجدد Reexamination

✓ **USPTO** مجموعه ای از اقدامات اداری را برای به چالش کشیدن اعتبار ثبت اختراع ارائه می دهد.

✓ اینها در مجموع به عنوان اقدامات "پس از اعطای **post-grant** proceedings" شناخته می شوند زیرا همه آنها پس از اعطای حق اختراع مورد بحث، توسط **USPTO** انجام می شوند.

✓ **Reexamination** به معنی این است که صاحب پتنت یا شخص سوم یا اداره ثبت اختراع آمریکا، بعد از اینکه پتنت برای بار اول مورد بررسی قرار گرفته و موفق به گرننت شده، دوباره تقاضا می دهد که بررسی مجددی روی آن انجام شود.

✓ این تقاضا می تواند در زمانی که پتنت هنوز معتبر است (در طول مدت عمر پتنت بعد از گرننت شدن) ثبت شود.

بررسی مجدد Reexamination توسط خود مخترع

- این تقاضا توسط مخترع یا صاحب پتنت زمانی صورت می گیرد،
- که مخترع قصد دارد از نقض پتنتش توسط دیگران، شکایت کند،
- و به دنبال ادله ی کافی می گردد که حقانیت پتنت خود را،
- پیش از هرگونه شکایتی از طرف مقابل، اثبات نماید.
- تا مطمئن شوند که حق اختراع با توجه به دانش قبلی معتبر است.

بررسی مجدد Reexamination توسط اداره ثبت اختراع آمریکا

خود اداره ثبت اختراع آمریکا ممکن است برای مثال زمانی که دلیلی برای زیر سوال بردن اعتبار اختراع وجود داشته باشد، بازنگری هایی را آغاز کند.

USPTO ممکن است اختراعاتی را اعطا کند که اساساً نامشخص و غیر واضح هستند، یا اختراعاتی را که در زمان ثبت درخواست های مربوطه جدید نبوده اند و بدیهی باشند.

این پتنت ها تهدیدی بالقوه برای کسب و کار هر کسی است که با فناوری های مشابه کار می کند.

در این مواقع **USPTO** می تواند پس از اعطای حق اختراع، مجدداً پتنت را بررسی کرده و آن را لغو کند.

فواید بررسی مجدد Reexamination

فواید بررسی مجدد Reexamination به صاحب پتنت اجازه می‌دهد:

- تا هم ادعاهای موجود را اصلاح کند،
- و هم ادعاهای جدیدی را به پتنت اضافه کند،
- در نتیجه به طور بالقوه پتنت خود را در پاسخ به چالش بررسی مجدد تقویت نماید.

این روند به صدور یک "گواهی بررسی مجدد" منجر می‌شود که همچنین می‌تواند ادعاهای ثبت اختراع را لغو کند.
تا زمان صدور گواهی مجدد، پتنت اصلی همچنان معتبر می‌باشد.



US008020796C1

(12) EX PARTE REEXAMINATION CERTIFICATE (10281st)

United States Patent

Matlin et al.

(10) Number: US 8,020,796 C1

(45) Certificate Issued: Sep. 2, 2014

(54) SHREDDER THICKNESS WITH ANTI-JITTER FEATURE

(75) Inventors: Tai Hoon K. Matlin, Lake Beach, IL (US); Michael Dale Jensen, Wood Dale, IL (US)

(73) Assignee: Fellowes, Inc., Itasca, IL (US)

Reexamination Request:

No. 90/013,046, Oct. 29, 2013

Reexamination Certificate for:

Patent No.: 8,020,796
Issued: Sep. 20, 2011
Appl. No.: 12/816,889
Filed: Jun. 16, 2010

Related U.S. Application Data

(62) Division of application No. 11/867,260, filed on Oct. 4, 2007, now Pat. No. 7,954,737.

(51) Int. Cl.
B02C 4/32 (2006.01)
B02C 7/14 (2006.01)
B02C 9/04 (2006.01)(52) U.S. Cl.
USPC 241/36; 241/37.5

(58) Field of Classification Search

None

See application file for complete search history.

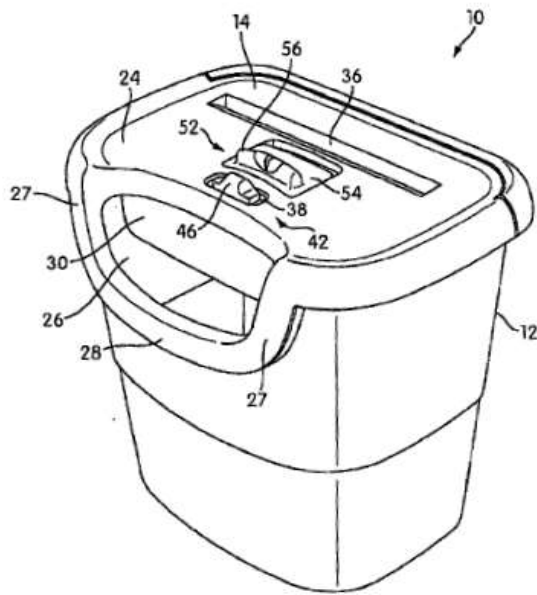
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To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,046, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Danton DeMille

(57) ABSTRACT

A shredder includes a housing having a throat for receiving at least one article to be shredded, and a shredder mechanism received in the housing and including an electrically powered motor and cutter elements. The shredder also includes a detector that is configured to detect a thickness of the at least one article being received by the throat, and a controller that is configured to operate the motor to drive the cutter elements to shred the at least one article and to set a flutter threshold higher than the predetermined maximum thickness threshold, if the detected thickness is less than a predetermined maximum thickness threshold. The controller is also configured to thereafter continuously detect the thickness of the at least one article being inserted into a throat of the shredder; and to perform a predetermined operation responsive to the thickness detector detecting that the thickness of the at least one article is greater than the flutter threshold.



:C1

گواهی بررسی مجدد

Reexamination Certificate

اگر بیش از یک گواهی وجود داشته باشد، گواهی ها به ترتیب C2 , C3 و ... نام می گیرند.

قبل از سال ۲۰۰۱، این گواهی ها همگی با B1 شناخته می شد.

پتنت های منتشر شده در آمریکا:

معانی حروف بعد از شماره ی انتشار روبه روی کد ۱۰

E۱ پتنتی که دوباره گرنت شده است (Reissue Patent)

F۱ گواهی بررسی مجدد یک پتنتی که دوباره گرنت شده است.
(Reexamination Certificate of a Reissued Patent)

اگر بیش از یک گواهی برای این حالت وجود داشته باشد با F2 و F3 و ... شناخته می شوند.
قبل از سال ۲۰۰۱، این نوع گواهینامه ها به صورت C1, C2 و ... شناخته می شدند.

Reissues in the United States

- Reissue allows **patent owners** to correct errors in U.S. patents.

Reissues and Reexaminations in the United States

The reissue and reexamination procedures of the U.S. Patent and Trademark Office (USPTO) are valuable tools for businesses that want to **strengthen their patent portfolio or weaken that of their competitors.**



US00RE44815E

(19) **United States**
 (12) **Reissued Patent**
Pierson

(10) **Patent Number:** **US RE44,815 E**
 (45) **Date of Reissued Patent:** **Mar. 25, 2014**

(54) **SYSTEM AND METHOD FOR CHILLING
 INLET AIR FOR GAS TURBINES**

USPC 60/728, 773, 775, 39.3, 39.53, 266,
 60/267, 39.182; 62/175, 332

See application file for complete search history.

(71) Applicant: **TAS Energy Inc.**, Houston, TX (US)

(72) Inventor: **Thomas L. Pierson**, Sugar Land, TX
 (US)

(73) Assignee: **TAS Energy, Inc.**, Houston, TX (US)

(21) Appl. No.: **13/777,820**

(22) Filed: **Feb. 26, 2013**

Related U.S. Patent Documents

Reissue of:

(64) Patent No.: **7,343,746**
 Issued: **Mar. 18, 2008**
 Appl. No.: **10/894,453**
 Filed: **Jul. 19, 2004**

U.S. Applications:

(63) Continuation of application No. 12/661,265, filed on
 Mar. 12, 2010, now Pat. No. Re. 44,079, which is an
 application for the reissue of Pat. No. 7,343,746, which
 is a continuation of application No. 10/206,856, filed
 on Jul. 26, 2002, now Pat. No. 6,769,258, which is a
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 filed on Sep. 24, 2001, now Pat. No. 6,470,686, which
 is a continuation of application No. 09/369,788, filed
 on Aug. 6, 1999, now Pat. No. 6,318,065.

(51) **Int. Cl.**
F02C 1/00 (2006.01)
F02G 3/00 (2006.01)
F01K 22/10 (2006.01)

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E1 پتنتی که دوباره گرنت شده است (Reissue Patent)

3 Different Types of Patents



Design

Protects the design or exterior look of an invention.



Utility

Protects inventions such as machines, processes, or systems.



Plant

Protects the invention of new plant variants.

Utility Patent

you can tell by the simple label “**US 10,082,381B2**”, as shown below :

(12) **United States Patent**
McMillen

(10) **Patent No.:** **US 10,082,381 B2**
(45) **Date of Patent:** **Sep. 25, 2018**

(54) **SENSOR SYSTEMS INTEGRATED WITH
VEHICLE TIRES**

*17/005 (2013.01); B60C 2019/004 (2013.01);
B60T 2210/36 (2013.01); B60T 2240/03
(2013.01)*

(71) Applicant: **BeBop Sensors, Inc.**, Berkeley, CA
(US)

(58) **Field of Classification Search**
CPC B60C 23/064; B60C 23/0488; B60C
23/0493; B60C 2019/004; B60C 23/002;
G01B 7/06; G01B 7/22

(72) Inventor: **Keith A. McMillen**, Berkeley, CA (US)

B2: پتنت گرنٹ شدہ ای کہ قبلا اظهار نامہ ی آن **(application)** منتشر شدہ است.

•Design Patent

- You can tell because of the “D” in “US D811,321 S”

S پتنت های طرح صنعتی. (در پتنت های طراحی صنعتی، قبل از شماره ی انتشار، حرف D می آید).

(12) **United States Design Patent**
Pizzorno et al.

(10) **Patent No.:** **US D811,321 S**
(45) **Date of Patent:** **** Feb. 27, 2018**

(54) **CAR TIRE**

(71) Applicant: **Pirelli Tyre S.p.A.**, Milan (IT)

(72) Inventors: **Tommaso Pizzorno**, Milan (IT);
Claudio Minoli, Milan (IT); **Daniele Lorenzetti**, Milan (IT)

(73) Assignee: **PIRELLI TYRE S.P.A.**, Milan (IT)

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(12) **United States Design Patent**
Poster et al.

(10) **Patent No.:** **US D745,836 S**
(45) **Date of Patent:** **** Dec. 22, 2015**

(54) **BICYCLE**

(71) Applicants: **Matthew Poster**, Madison, WI (US);
Michael Hammond, Madison, WI (US);
Brady Schroedl, Whitewater, WI (US)

(72) Inventors: **Matthew Poster**, Madison, WI (US);
Michael Hammond, Madison, WI (US);
Brady Schroedl, Whitewater, WI (US)

(73) Assignee: **B-Cycle, LLC**, Waterloo, WI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/480,017**

(22) Filed: **Jan. 22, 2014**

(51) **LOC (10) CL** **12-11**

(52) **U.S. CL**
USPC **D12/111**

(58) **Field of Classification Search**
USPC D12/111, 117, 406, 407; 280/202,
280/274-280, 281.1, 283-288,
280/288.1-288.4; 224/42.11, 42.13, 400,
224/412, 419-427
CPC B62K 3/00; B62K 3/005; B62K 9/00;
B62K 19/00; B62K 19/02; B62K 19/04;
B62K 19/06; B62K 19/16
See application file for complete search history.

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Primary Examiner — Philip S Hyder

Assistant Examiner — Darlington Ly

(57) **CLAIM**

The ornamental design for a bicycle, as shown and described.

DESCRIPTION

FIG. 1 is a left side view of an embodiment of a bicycle showing our new design;

FIG. 2 is a right side view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is bottom view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a front view thereof; and,

FIG. 7 is a perspective thereof.

The broken line showing of brake levers and chain rings is for the purpose of illustrating portions of the bicycle that forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(54) **RAKED WING TIP FOR AN AIRPLANE**

(75) Inventor: **Kelly L. Boren**, Marysville, WA (US)

(73) Assignee: **The Boeing Company**, Chicago, IL
(US)

(**) Term: **14 Years**

(21) Appl. No.: **29/182,797**

(22) Filed: **May 30, 2003**

(51) **LOC (7) Cl.** **12-12**

(52) **U.S. Cl.** **D12/345**

(58) **Field of Search** D12/319, 321,
D12/323, 345; 244/16, DIG. 1.1, DIG. 1.4,
13

(56) **References Cited**

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Primary Examiner—Marcus A. Jackson

(74) *Attorney, Agent, or Firm*—Black Lowe & Graham
PLLC

(57) **CLAIM**

The ornamental design for a raked wing tip for an airplane,
as shown and illustrated.

DESCRIPTION

FIG. 1 is a top plan view of a raked wing tip for an airplane illustrating my new design as installed on a right wing of an airplane, along with other structure of the right wing, engines, and part of an airplane fuselage being shown in phantom;

FIG. 2 is an inboard side elevational view of the raked wing tip of FIG. 1;

FIG. 3 is a front elevational view of FIG. 2;

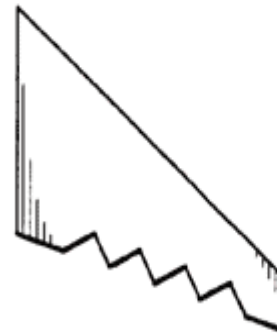
FIG. 4 is a top plan view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is an outboard side view thereof; and,

FIG. 7 is a top plan view of a raked wing tip for a left wing of an airplane, the top plan view of the raked wing tip of FIG. 4 being a mirror image thereof.

1 Claim, 2 Drawing Sheets





US00D761364S

(12) United States Design Patent
Summerville, Jr.**(10) Patent No.:** **US D761,364 S**
(45) Date of Patent: **Jul. 12, 2016****(54) CHESSBOARD****(71) Applicant:** SUMMERVILLE-NEW ENGLAND
LLC, Goshen, CT (US)**(72) Inventor:** Andrew Goshwin Summerville, Jr.,
Goshen, CT (US)**(73) Assignor:** SUMMERVILLE-NEW ENGLAND
LLC, Goshen, CT (US)**(*) Term:** 14 Years**(21) Appl. No.:** 20/506,023**(22) Filed:** Aug. 20, 2014**(51) LOC (10) CL:** 21-01**(52) U.S. CL:**
USPC: D21/397, D21/349**(58) Field of Classification Search**USPC: D21/349, 362-371, 307, 302, 305-309,
D21/306, 334, 335-341, 345-347, 349,
D21/374-377, 300, 390, 397, 455, 458, 459,
D21/478, 480, 519, 522, 811, 812, 350,
273/260, 261, 236-244, 348, 394, 258,
273/259, 274-277, 268-271, 280-287, 278,
273/279, 288-291, 138.1, 139, 141 R,
273/141 A, 142 R, 143 R, 143 A, 143 B,
273/143 C, 142 F, 142 T, 142 G, 142 H,
273/142 FTA, 145 F, 294, 392, 288, 148 R,
273/309, 153 R, 155, 156, 157 R, 153 J, 161,
273/440, 459-461, 317, 340, 342, 108,
273/126 R, 126 A, 127 R, 348 I, 348 S,
273/348 A, 348 S, 351, 355, 362, 373, 374,
273/393, 405-412, 248, 249; 475/14, 10,
473/16, 272/280, 284, 309; 108/167, 119,
109/62; D6/691, 691 JCPC: A63F 3/00; A63F 3/00005; A63F 3/02;
A63F 3/04; A63F 3/00082; A63F 3/00088;
A63F 3/00091; A63F 3/00097; A63F 3/00175;
A63F 3/00176; A63F 3/0023; A63F 3/0052;
A63F 3/00694; A63F 3/027; A63F 3/062;
A63F 3/0625; A63F 2003/00022; A63F
2003/00208; A63F 2003/00463; A63F2003/0047; A63F 2003/00523; A63F
2003/0053; A63F 2003/0055; A63F
2003/0047; A63F 3/0073; A63F 3/00895;
A63F 2003/00287; A63F 2003/00587; A63F
2003/00958; A63F 2003/00577; A63F
2003/00949; A63D 15/04

See application file for complete search history.

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US00D605971S

(12) United States Design Patent
Esposito**(10) Patent No.: US D605,971 S**
(45) Date of Patent: ** Dec. 15, 2009**(54) CALENDAR KEY PENDANT****(76) Inventor: Michele Esposito**, 26106 Alizla Canyon Dr., Calabasas, CA (US) 91302**(**)** Term: **14 Years****(21) Appl. No.: 29/338,284****(22) Filed: Jun. 8, 2009****(51) LOC (9) CL** **11-02****(52) U.S. CL** **D11/60****(58) Field of Classification Search** D11/60-61,
D11/1, 2, 7, 40, 44, 48, 79-81, 86, 95-97,
D11/99-100, 108, 109, 116; 63/13, 14.1,
63/18-20, 23; D3/207-211; D8/347

See application file for complete search history.

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D165,394 S	*	12/1951	Randall		D11/101
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D389,302 S	*	1/1998	Ekeche		D3/208
D440,637 S	*	4/2001	Bhann		D3/208
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Primary Examiner—Cathron C Brooks

Assistant Examiner—Melanie Levy

(74) Attorney, Agent, or Firm—QuickPatents, Inc.; Kevin Prince

(57) CLAIM

I claim the ornamental design for a calendar key pendant, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a calendar key pendant, showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

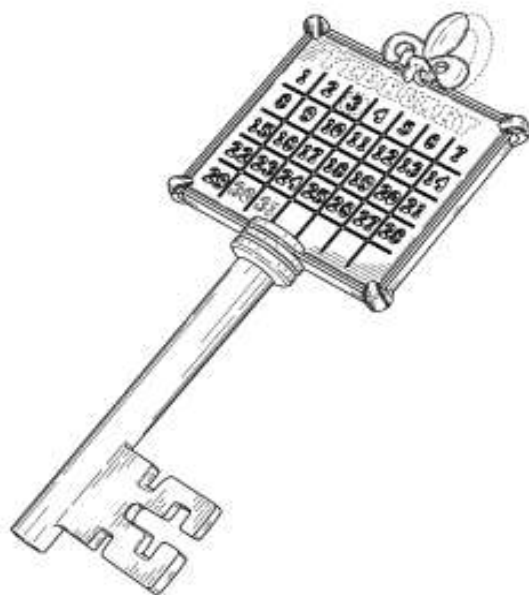
FIG. 4 is a left-side elevational view thereof;

FIG. 5 is a right-side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines showing a month and the numbers 30 and 31 in FIGS. 1 and 2, and the broken lines showing a jewel marker around the number 3 in FIGS. 1, 2, 4-7, and a necklace ring in all of the figures are included for the purpose of illustrating the invention in use, and form no part of the claimed design.

1 Claim, 4 Drawing Sheets

US00D605971S

(10) Patent No.: US D605,971 S
(45) Date of Patent: ** Dec. 15, 2009



US00D745836S

(12) **United States Design Patent** (10) **Patent No.:** **US D745,836 S**
Poster et al. (45) **Date of Patent:** **** Dec. 22, 2015**

(54) **BICYCLE**

(71) Applicants: **Matthew Poster**, Madison, WI (US);
Michael Hammond, Madison, WI (US);
Brady Schroedl, Whitewater, WI (US)

(72) Inventors: **Matthew Poster**, Madison, WI (US);
Michael Hammond, Madison, WI (US);
Brady Schroedl, Whitewater, WI (US)

(73) Assignee: **B-Cycle, LLC**, Waterloo, WI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/480,017**

(22) Filed: **Jan. 22, 2014**

(51) **LOC (10) CL** **12-11**

(52) **U.S. CL** **D12/111**
USPC

(58) **Field of Classification Search**

USPC D12/111, 117, 406, 407; 280/202,
280/274-280, 281.1, 283-288,
280/288.1-288.4; 224/42.11, 42.13, 400,
224/412, 419-427

CPC B62K 3/00; B62K 3/005; B62K 9/00;
B62K 19/00; B62K 19/02; B62K 19/04;
B62K 19/06; B62K 19/16

See application file for complete search history.

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<URL: <http://www.trekbikes.com/pdf/2010/catalog/mountain.pdf>>.*

* cited by examiner

Primary Examiner—Philip S Hyder

Assistant Examiner—Darlington Ly

(57)

CLAIM

The ornamental design for a bicycle, as shown and described.

DESCRIPTION

FIG. 1 is a left side view of an embodiment of a bicycle
showing our new design;

FIG. 2 is a right side view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is bottom view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a front view thereof, and,

FIG. 7 is a perspective thereof.

The broken line showing of brake levers and chain rings is for
the purpose of illustrating portions of the bicycle that forms
no part of the claimed design.

1 Claim, 7 Drawing Sheets



(54) **VEHICLE MIRROR**

(71) Applicant: **Ford Global Technologies, LLC,**
Dearborn, MI (US)

(72) Inventors: **David Woodhouse**, Troy, MI (US);
Earl Lucas, Southfield, MI (US);
Jaewoo Chang, Novi, MI (US);
Nonthawat Kongsari, Melbourne (AU)

(73) Assignee: **Ford Global Technologies, LLC,**
Dearborn, MI (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/597,073**

(22) Filed: **Mar. 14, 2017**

(51) **LOC (12) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/187**

(58) **Field of Classification Search**

USPC D12/187, 188, 189; D6/300, 309
CPC B60R 1/08; B60R 1/081; B60R 1/082; B60R
1/074; B60R 1/076; B60R 1/078; B60R
1/06; G02B 5/08; G02B 7/18; G02B
7/182

See application file for complete search history.

(56) **References Cited**

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Primary Examiner — Susan E Krakower

Assistant Examiner — Jerry Shiuuan-Hua Hsu

(74) *Attorney, Agent, or Firm* — LeClairRyan

(57) **CLAIM**

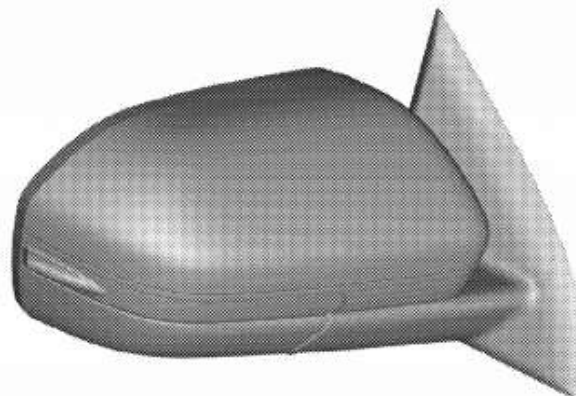
The ornamental design for a vehicle mirror, as shown and described.

DESCRIPTION

FIG. 1 is a top and front perspective view a right vehicle mirror, showing our new design;
FIG. 2 is a bottom and front perspective view thereof;
FIG. 3 is a top and rear perspective view thereof;
FIG. 4 is a front elevational view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a right side elevational view thereof;
FIG. 8 is a top plan view thereof; and,
FIG. 9 is a bottom plan view thereof.

Any broken lines represent an internal boundary of the design; the line itself and the area within form no part of the claim.

1 Claim, 9 Drawing Sheets



Plant Patent پتنت گیاهی

قبل از سال ۲۰۰۱، تمام پتنت های مربوط به ثبت گونه های گیاهی، چه به صورت اظهار نامه (application) چه به صورت گزنت شده (patent) با همین حرف P1 شناخته می شد.

بعد از سال ۲۰۰۱ اظهار نامه های (patent application) مربوط به ثبت گونه های گیاهی ابداع شده با P1 مشخص می شوند.

P2 پتنت گزنت شده ی مربوط ثبت گونه های گیاهی ابداعی که اظهار نامه ی آن قبلا منتشر نشده است.

P3 پتنت گزنت شده ی مربوط ثبت گونه های گیاهی ابداعی که اظهار نامه ی آن قبلا منتشر شده است.

Plant Patent

You can tell because of the “PP” in “**US PP28,613P2**”

(12) **United States Plant Patent**
Hansen

(10) **Patent No.:** **US PP28,613 P2**
(45) **Date of Patent:** **Nov. 7, 2017**

(54) **X MANGAVE PLANT NAMED ‘PINEAPPLE EXPRESS’**

(50) Latin Name: *Manfreda*×*Agave* hybrid
Varietal Denomination: **Pineapple Express**

(71) Applicant: **Hans A. Hansen**, Zeeland, MI (US)

(72) Inventor: **Hans A. Hansen**, Zeeland, MI (US)

(73) Assignee: **Walters Gardens Inc.**, Zeeland, MI

(52) **U.S. Cl.**
USPC **Plt./373**

(58) **Field of Classification Search**
USPC **Plt./373**
See application file for complete search history.

Primary Examiner — Susan McCormick Ewoldt

Assistant Examiner — Karen Redden

پتنت گرنت شده ی مربوط ثبت گونه های گیاهی ابداعی که اظهار نامه ی آن قبلا منتشر نشده است.



US00PP30933P2

(12) **United States Plant Patent**
Horvath

(10) **Patent No.:** **US PP30,933 P2**
(45) **Date of Patent:** **Oct. 8, 2019**

(54) **RUDBECKIA PLANT NAMED "GLITTERS LIKE GOLD"**

(50) Latin Name: *Rudbeckia* hybrid
Varietal Denomination: *Glitters like Gold*

(71) Applicant: **Brent Horvath**, Fontana, WI (US)

(72) Inventor: **Brent Horvath**, Fontana, WI (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 15 days.

(21) Appl. No.: **15/732,772**

(22) Filed: **Dec. 27, 2017**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/14 (2018.01)

(52) **U.S. Cl.**
USPC *Pt. 474*
CPC *A01H 6/14* (2018.05); *A01H 5/02* (2013.01)

(58) **Field of Classification Search**

USPC *Pt. 474*
CPC *A01H 5/02*
See application file for complete search history.

(56) **References Cited**

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Joshua Raymer; *Grower Talks: Rudbeckia Production That's Anything but Rudimentary*, Dec. 1, 2017; 2 pages.*

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Primary Examiner — Kent L. Bell

(57) **ABSTRACT**

A new and distinct variety of *Rudbeckia* plant as illustrated and described, characterized by the combination of 90 cm height, larger gold flower, and heavier bloom, compared to the seed parent.

1 Drawing Sheet

1

Latin name: *Rudbeckia* hybrid.
Cultivar name: "Glitters like Gold".

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct hybrid of *Rudbeckia* plant named "Glitters like Gold" characterized by the combination of 90 cm height, larger gold flowers and heavier bloom, compared to the seed parent. The new *Rudbeckia* was raised as a seedling from open pollinated seed sown from the seed parent *Rudbeckia fulgida* var. *deamii*, not patented, in Hebron, Ill. in 2012. The selection of the new plant was due to its 90 cm height, larger gold flower, and heavier bloom compared to the seed parent. Initial asexual reproduction has taken place at a nursery in Hebron, Ill. since 2015 by means of division, and stem cuttings. The new *Rudbeckia* has shown to be stable and identical in reproduction to the originally discovered plant after rooting over 600 plants from 2015 to 2017. No plants of the new *Rudbeckia* have been sold in this country, or anywhere in the world, prior to the filing of this application, nor has any disclosure of the new plant been made prior to the filing of this application with the exception of that which was disclosed within one year of filing of this application and was either derived directly or indirectly for the inventor.

SUMMARY OF THE INVENTION

The new *Rudbeckia* plant named "Glitters like Gold" characterized by the combination of 90 cm height, larger gold flower, and heavier bloom compared to the seed parent have been observed to be unique and stable. For purpose of comparison the new plant will be referred to as "Glitters like Gold".

2

Plants of the new *Rudbeckia* can be compared to plants of *Rudbeckia fulgida* var. *deamii* the seed parent, not patented. The new *Rudbeckia* plant has a mature size measuring 90 cm high and 50 cm wide while *Rudbeckia fulgida* var. *deamii* measures 120 cm high and over 60 cm wide. The new *Rudbeckia* plant has a naturally mound shaped habit while *Rudbeckia fulgida* var. *deamii* has an upright open habit. The new *Rudbeckia* plant has rounded foliage approximately 16 cm long and 6 cm wide while *Rudbeckia fulgida* var. *deamii* has foliage that reaches approximately 35 cm long and 10 cm wide.

Plants of the new *Rudbeckia* can also be compared to the *Rudbeckia fulgida* "Early Bird Gold", patented, U.S. Plant Pat. No. 20,286. The new plant has longer foliage, 16 cm in length and soft pubescent foliage while *Rudbeckia fulgida* "Early Bird Gold" has foliage 13-15 cm in length and rough pubescent foliage.

DESCRIPTION OF PHOTOGRAPHS

FIG. 1. A close up of the flower.

FIG. 2. A blooming 2 year old plant in July.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart 2001 edition. Plants used for the description were grown for two seasons at a nursery in Hebron, Ill. Measurements and numerical values represent averages of typical plants. Botanical classification: *Rudbeckia* cultivar *Glitters like Gold*.

Parentage: Male or pollen parent an unknown *Rudbeckia*, female or seed parent *Rudbeckia fulgida* var. *deamii*.



US00PP30933P2

(10) **Patent No.:** **US PP30,933 P2**
(45) **Date of Patent:** **Oct. 8, 2019**

P2: پتنت گرنٹ شدہ ی مربوط ثبت
گونه های گیاهی ابداعی که اظهار نامه
ی آن قبلاً منتشر نشده است.

PP: به مفهوم پتنت های گونه های
گیاهی یا Plant Patent است.

(12) **United States Plant Patent**

White et al.

(10) **Patent No.:** **US PP24,004 P3**

(45) **Date of Patent:** **Oct. 29, 2013**

(54) ***RHODANTHEMUM* PLANT NAMED
'CASABLANCA'**

(50) Latin Name: *Rhodanthemum* hybrid
Varietal Denomination: **CASABLANCA**

(76) Inventors: **Anthony Robin White**, Alresford (GB);
Susan Barbara White, Alresford (GB)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 262 days.

(21) Appl. No.: **13/136,117**

(22) Filed: **Jul. 22, 2011**

(65) **Prior Publication Data**

US 2013/0025010 P1 Jan. 24, 2013

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.**
USPC **Plt/263.1**

(58) **Field of Classification Search**
USPC **Plt/263.1**
See application file for complete search history.

Primary Examiner — Kent L Bell

(74) *Attorney, Agent, or Firm* — Cassandra Bright

(57) **ABSTRACT**

A new and distinct *Rhodanthemum* cultivar named 'CASA-
BLANCA' is disclosed, characterized by compact plant
growth, large flowers produced over a long period of time.
Plants have a good tolerance for drought. The new variety is
a *Rhodanthemum*, normally produced as an outdoor orna-
mental plant for containers or gardens.

1 Drawing Sheet

**P3 پتنت گرنت شده ی مربوط ثبت گونه های گیاهی ابداعی که اظهار نامه ی
آن قبلا منتشر شده است.**

اظهار نامه های منتشر شده در اروپا

معانی حروف بعد از شماره ی انتشار روبه روی کد ۱۱

- در اروپا، حرف **A** به معنی اظهار نامه یا **Application** است و نشان دهنده ی گرنت نشدن (یا هنوز گرنت نشدن) پتنت پیش روست.
- حرف **B** نشان دهنده ی گرنت شدن پتنت است.
- از آنجا که در اروپا، بعضا گزارش بررسی هم به همراه اظهار نامه یا پتنت منتشر می شود، اعداد کنار حروف **A** و **B** می توانند اطلاعاتی در مورد این گزارش بررسی ارائه دهند.

اظهار نامه های منتشر شده در اروپا

معانی حروف بعد از شماره ی انتشار روبروی کد ۱۱

- ❖ **A1** اظهار نامه ی اختراع که به همراه گزارش جست و جو و بررسی (EPO)
- ❖ **A2** اظهار نامه ی اختراع که گزارش جست و جو و بررسی EPO را ندارد (در هنگام انتشار این گزارش آماده نشده است).
- ❖ **A3** انتشار جداگانه ای از گزارش جست و جو و بررسی (صفحه ی اول اظهار نامه (پتنت) به همراه گزارش جست و جو و بررسی).
- ❖ **A4** گزارش جست و جوی مکمل (صفحه ی اول اظهار نامه (پتنت) به همراه گزارش جست و جوی پشتیبان).
- ❖ **A8** وقتی عنوان یک اظهار نامه (application) اصلاح شده است (اظهار نامه های A1 یا A2)
- ❖ **A9** وقتی یک اظهار نامه application به طور کامل اصلاح شده است و مجددا منتشر شده است. اظهار نامه های A1 یا A2 یا A3

EP A documents

European patent applications, published 18 months after filing with the EPO or 18 months after the priority date

A1	European patent application published with European search report
A2	European patent application published without European search report (search report not available at publication date)
A3	Separate publication of European search report
A4	Supplementary search report
A8	Corrected title page of A document, ie. A1 or A2 document
A9	Complete reprint of A document, ie. A1, A2 or A3 document

(19)



(11)

EP 3 089 387 A1

(12)

EUROPEAN PATENT APPLICATION

(43)

Date of publication:
02.11.2016 Bulletin 2016/44

(51) Int Cl.:

H04J 11/00 (2006.01) H04L 25/03 (2006.01)
H04L 27/26 (2006.01) H04L 1/00 (2006.01)

(21)

Application number: 16174617.7

(22)

Date of filing: 22.12.2010

(84)

Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(72) Inventors:

- OUCHI, Mikihiro
Osaka, 540-6207 (JP)
- IGUCHI, Noritaka
Osaka, 540-6207 (JP)

(30)

Priority: 13.01.2010 JP 2010004656

(62) Document number(s) of the earlier application(s) in

accordance with Art. 76 EPC:

14179986.6 / 2 809 020
10843006.7 / 2 515 458

(74) Representative: Grünecker Patent- und

Rechtsanwälte
PartG mbB
Leopoldstraße 4
80802 München (DE)

(71)

Applicant: Panasonic Intellectual Property
Management Co., Ltd.
Osaka 540-6207 (JP)

Remarks:

This application was filed on 15-06-2016 as a
divisional application to the application mentioned
under INID code 62.

(54)

TRANSMITTER WITH BIAS BALANCING

(57)

A transmitter 100 includes an L1 signaling data coder 111. In the L1 signaling data coder 111, an L1 signaling data generator 1021 converts transmission parameters into L1-pre signaling data and L1-post signaling data and outputs the L1-pre signaling data and the L1-post signaling data, an energy dispersion unit 121 performs energy dispersion on the L1-pre signaling data and the L1-post signaling data in order, and an L1 error cor-

rection coder 1022 performs error correction coding, based on BCH coding and LDPC coding, on the energy-dispersed L1-pre signaling data. This allows for randomization of a large bias in mapping data of the L1-pre signaling data and the L1-post signaling data, thus solving the problem of concentration of power in a specific sample within P2 symbols.

A1 اظهار نامه ی اختراع که به
همراه گزارش جست و جو و بررسی
سیستم ثبت اختراع اروپا (EPO)
منتشر شده است.

(19)



(11)

EP 2 149 302 A2

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

03.02.2010 Bulletin 2010/05

(51) Int CL:

A01M 23/30 (2006.01)

(21) Application number: 09009680.1

(22) Date of filing: 27.07.2009

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR

Designated Extension States:

AL BA RS

(30) Priority: 28.07.2008 US 219729

(71) Applicant: Woodstream Corporation

Lititz PA 17543 (US)

(72) Inventors:

- Gauker, Andrew J.
Shillington, Pennsylvania 19607 (US)
- Lubic, Marco Konstantin
Shillington, Pennsylvania 19607 (US)
- Greisman, Gregory
Elkridge, Maryland 21075 (US)

(74) Representative: Zinnecker, Armin et al

Lorenz Seidler Gossel
Rechtsanwälte - Patentanwälte
Widenmayerstrasse 23
80538 München (DE)(54) **Single use hermetically sealing enclosure-type mousetrap with killing mechanism**

(57) A single use, hermetically sealing mousetrap (10) has a housing defining an enclosure (16) that is accessible through a rotatably mounted door controlled by a spring-loaded door opening gear mechanism. Mounted to the bottom of the housing inside the enclosure is a spring-actuated setting axle/kill bar (24) and setting bar combination that is movable between a kill position and a set position by manipulation of a setting handle (26) positioned outside the enclosure. When the setting axle/kill bar is moved to the set position, the door opening gear mechanism (30) causes the door to open while tensioning a torsional door spring. A trip latch (172) and bait

pedal (32) are configured to operate together to secure the kill and setting bars in the set position, with subsequent movement of the bait pedal by a mouse serving to release the trip latch. When the trap is thereby triggered, the kill bar moves rapidly to the kill position while releasing the door opening gear mechanism. The tensioned door spring then closes the door. With the door closed, the enclosure is hermetically sealed with the dead mouse inside and the trap can be disposed of without any contact between the user and the carcass along with any parasites and pathogens associated therewith.

A2 اظهار نامه ی اختراع که
گزارش جست و جو و
بررسی EPO را ندارد.
(در هنگام انتشار این گزارش
آماده نشده است).



(11) EP 0 855 545 A3

(12) **EUROPÄISCHE PATENTANMELDUNG**

(88) Veröffentlichungstag A3:
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AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
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(72) Erfinder: Lorch, Werner
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70173 Stuttgart (DE)

(30) Priorität: 23.01.1997 DE 19702360

(71) Anmelder:
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77761 Schiltach (DE)

(54) **Betätigungsgriff für ein Sanitärelement**

(57) Ein Betätigungsgriff für ein Sanitärventil enthält eine äußere Griffschale (9), die direkt oder mit Hilfe eines Adapterelements an einem Betätigungselement des Sanitärventils angebracht werden kann. Mit Hilfe der Griffschale läßt sich also das Ventil bedienen.

An der Griffschale (9) wird ein zusätzliches Funktionselement befestigt, insbesondere angeschraubt, das ein Anschlagselement (20) enthält. Das Anschlagselement kann mit einem Anschlag an dem Ventil zusammenwirken.

Das Anschlagselement kann ggf. von dem Benutzer zur Überwindung des Anschlags bewegt werden.

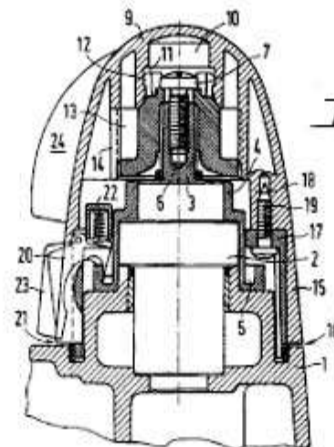


Fig. 1

A3 انتشار جداگانه ای از گزارش
جست و جو و بررسی.

(صفحه ی اول اظهار نامه (پتنت) به
همراه گزارش جست و جو و بررسی).

اظهار نامه های منتشر شده در اروپا

معانی حروف بعد از شماره ی انتشار روبروی کد ۱۱

به طور کلی، حرف **B** به معنی گزینش شدن پتنت در اروپا است.

- **B1** پتنت گزینش شده ی اروپا
- **B2** پتنت جدیدتر که قست توضیحات آن اصلاح شده است amended specification
- **B8** وقتی عنوان یک پتنت نوع **B** اصلاح شده است (اظهار نامه های **B1** یا **B2**)
- **B9** وقتی یک پتنت نوع **B** به طور کامل اصلاح شده است و مجددا منتشر شده است (اظهار نامه های **B1** یا **B2** یا **B3**)

EP B documents

European patent specifications

B1	European patent specification (granted patent)
B2	New European patent specification (amended specification after opposition procedure)
B3	European patent specification (after limitation procedure)
B8	Corrected title page of B document (i.e. B1 or B2 document)
B9	Complete reprint of B document (i.e. B1 or B2 document)



Europäisches Patentamt
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Office européen des brevets



(11) EP 0 723 949 B1

(12) EUROPÄISCHE PATENTSCHRIFT

(45) Veröffentlichungstag und Bekanntmachung des
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26.04.2000 Patentblatt 2000/17

(51) Int. Cl. 7: C07C 45/36, C07C 47/55

(21) Anmeldenummer: 96100680.6

(22) Anmeldetag: 18.01.1996

(54) Verfahren zur Herstellung von Halogenbenzaldehyden

Process for the preparation of halogenobenzaldehydes

Procédé pour la préparation de benzaldéhydes halogénés

(84) Benannte Vertragsstaaten:
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• Weiguny, Jens, Dr.
D-64331 Weiterstadt (DE)

(30) Priorität: 30.01.1996 DE 19502605

(56) Entgegenhaltungen:
EP-A- 0 226 540 DE-B- 1 202 774

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31.07.1996 Patentblatt 1996/31

(73) Patentinhaber: Aventis Research & Technologies
GmbH & Co. KG
66926 Frankfurt am Main (DE)

• CHEMICAL ABSTRACTS, vol. 080, no. 21, 27. Mai
1974 Columbus, Ohio, US; abstract no. 119931,
CHOPRA B ET AL.: "Oxidation of chlorotoluenes
on bismuth oxide-molybdenum oxide"
XP002002216 & INDIAN CHEM. J., ANNU.
(ICHJAU);72: PP.38-49, INDIAN INST.
TECHNOL.;CHEM. DEP.; DELHI; INDIA,

(72) Erfinder:
• Borchert, Holger, Dr.
D-65929 Frankfurt (DE)
• Gerdau, Thomas, Dr.
D-65617 Eppstein (DE)

Bemerkungen:

Die Akte enthält technische Angaben, die nach dem
Eingang der Anmeldung eingereicht wurden und die
nicht in dieser Patentschrift enthalten sind.

Anmerkung: Innerhalb von neun Monaten nach der Bekanntmachung des Hinweises auf die Erteilung des europäischen Patents kann jedermann beim Europäischen Patentamt gegen das erteilte europäische Patent Einspruch einlegen. Der Einspruch ist schriftlich einzureichen und zu begründen. Er gilt erst als eingelegt, wenn die Einspruchsgebühr entrichtet worden ist. (Art. 99(1) Europäisches Patentübereinkommen).

B1 پتنت گرنٹ شدہ ی اروپا

WO A documents

Code	Publication details
A1	International application published with ISR
A2	International application published without ISR
A3	Later publication of ISR with revised front page
A4	Later publication of amended claims with revised front page
A8	International application republished with corrections to front page bibliographic data
A9	International application or ISR republished with corrections, alterations or supplements (see also WIPO Standard ST.50)

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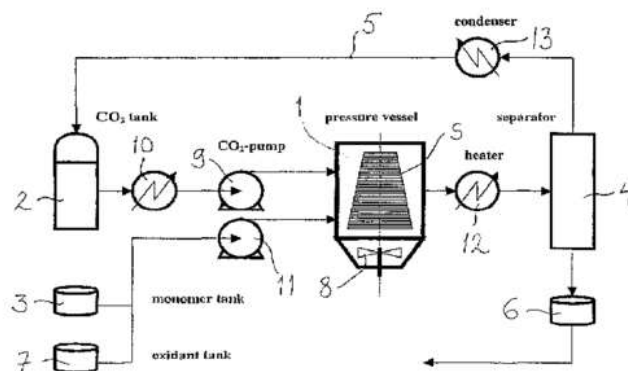
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- (51) International Patent Classification⁷: **H01B 1/12**,
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20040114 27 January 2004 (27.01.2004) FI
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- (72) Inventors; and
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- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AI, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HN, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
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GQ, GW, ML, MR, NI, SN, TD, TG).
- Published:
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[Continued on next page]

(54) Title: PROCESS FOR DEPOSITION OF CONDUCTIVE POLYMER COATINGS IN SUPERCRITICAL CARBON DIOX-
IDE



(57) Abstract: A method for forming an electrically conductive polymeric surface on a solid polymeric substrate (S) comprises the following successive steps: 1) treatment of the solid polymeric substrate (S) in a pressure reactor (1) with a first supercritical or liquid carbon dioxide phase containing a monomer to cause the monomer to enter the structure of the polymeric substrate, 2) removal of the first supercritical or liquid carbon dioxide phase from the reactor (1), together with possible residues of the monomer 3) feeding of a second supercritical or liquid carbon dioxide phase containing an oxidative agent into the reactor (1) into contact with the substrate (S) that has remained in the reactor, and 4) performing in-situ oxidative polymerization of the monomer in the polymeric substrate with the help of the oxidative agent to form an electrically conductive polymer surface on the polymeric substrate (S), 5) removal of the second supercritical or liquid carbon dioxide phase from the reactor.

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C07D 487/04 (2006.01) A61P 3/00 (2006.01)
A61K 31/437 (2006.01)

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24 May 2011 (24.05.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/347,694 24 May 2010 (24.05.2010) US

(71) Applicant (for all designated States except US): UNIVERSITY OF ROCHESTER [US/US]; Box OTT, 601 Elmwood Avenue, Rochester, New York 14642 (US).

(72) Inventors; and

(73) Inventors/Applicants (for US only): GELBARD, Harris, A. [US/US]; Pittsford, New York (US). DEWHURST, Stephen [US/US]; Rochester, New York (US). GOODFELLOW, Val, S. [US/US]; Encinitas, California (US). WIEMANN, Torsten [DE/US]; Encinitas, California (US). RAVULA, Sathesh, Babu [US/US]; San Diego, California (US). LOWETH, Colin, J. [US/US]; San Marcos, California (US).

(74) Agent: CURFMAN, Christopher L.; McKeon, Meunier, Carlin & Curfman, LLC, Suite 900, 817 W. Peachtree Street NW, Atlanta, Georgia 30308 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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(54) Title: BICYCLIC HETEROARYL KINASE INHIBITORS AND METHODS OF USE

(57) Abstract: Provided are compounds having an inhibitory effect on kinases including Mixed Lineage Kinases. Also provided are pharmaceutical compositions, methods of preparing the compounds, synthetic intermediates, and methods of using the compounds, independently or in combination with other therapeutic agents, for treating diseases and conditions that are affected by Mixed Lineage Kinase inhibition. Also provided are methods of treatment of neuropsychiatric disorders that comprise the inhibition of Mixed Lineage Kinases.

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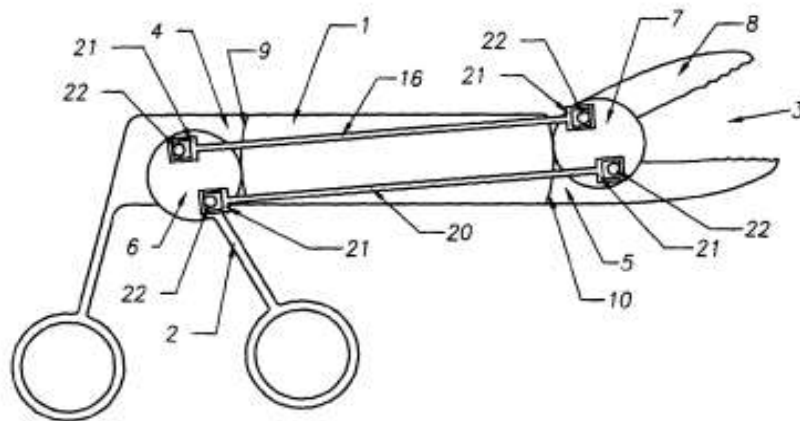
PCT

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15 September 1997 (15.09.1997)
- (25) Filing Language: Dutch
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1004056 18 September 1996 (18.09.1996) NL
- (71) Applicant (for all designated States except US): TU Delft [NL/NL]; Afdeling Werktuigbouw, Laboratorium voormet- en regeltechniek, Mekelweg 2, NL-2628 CD Delft (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HERDER, Justus, Laurens [NL/NL]; Vinkenstraat 52A, NL-3036 XS Rotterdam (NL). HORWARD, Marcel, Jeroen [NL/NL]; Vijverlaan 1/26, NL-6822 HA Arnhem (NL).
- (74) Agent: VAN BREDA, Jacques; Oetoolbureau Los en Seijer B.V., Weteringschans 96, NL-1017 XS Amsterdam (NL).
- (81) Designated States (national): AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW.
- (84) Designated States (regional): ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CL, CM, GA, GN, ML, MR, NE, SN, TD, TG).
- Published:
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- (88) Date of publication of the international search report:
14 November 2002

[Continued on next page]

(54) Title: MANIPULATING PLIERS



(57) Abstract: The invention relates to manipulating pliers especially but not exclusively for surgical purposes, comprising a frame, at a first side of the frame a control handle and at a second side opposite the first side of the frame a gripper as well as a coupling between the control handle and the gripper. The control handle and the gripper are each coupled to the frame by means of a rolling bearing.

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(71) Applicant (for all designated States except US): GAT MICROENCAPSULATION, AG [AT/AT]; Gewerbezone 1, A-2490 Ebenfurth (AT).

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GE, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CH, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: NOVEL AGROCHEMICAL FORMULATIONS CONTAINING MICROCAPSULES

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27

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AMENDED CLAIMS

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Claims

1. Agrochemical formulation containing microcapsules characterized in that the active ingredient(s) are selected from Chlorpyrifos, Fluroxypyr, Diflufenican, Sulfonylureas and mixtures of Diflufenican with Sulfonylureas, Fluroxypyr with Sulfonylureas, Chlorpyrifos with Sulfonylureas, Chlorpyrifos with Fluroxypyr, Fluroxypyr with Diflufenican or selected from the group of Triazole fungicides and mixtures with Fluroxypyr and/or Chlorpyrifos, provided that in the case of mixtures at least one of the active ingredient(s) is/are microencapsulated; and the particle size of the microcapsules is from 1 to 30 μm , the wall of the microcapsules is made of polyurea resulting from the reaction of:

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GU1 2BQ (GB). KONDOZ, Ahmet [GB/GB]; 6 Marlins
Close, Guildford, Surrey GU4 7LR (GB).

(21) International Application Number:
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(74) Agent: WILSON, Alan, Stuart; Barker Brettell LLP, 138
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IL, TN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ,
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European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,

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(71) Applicant (for all designated States except US): MULTI
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land, 2016 (NZ).

(74) Agents: WILSON, Kathryn, S et al.; James & Wells
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(NZ).

(81) Designated States (unless otherwise indicated, for every
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CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,
ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
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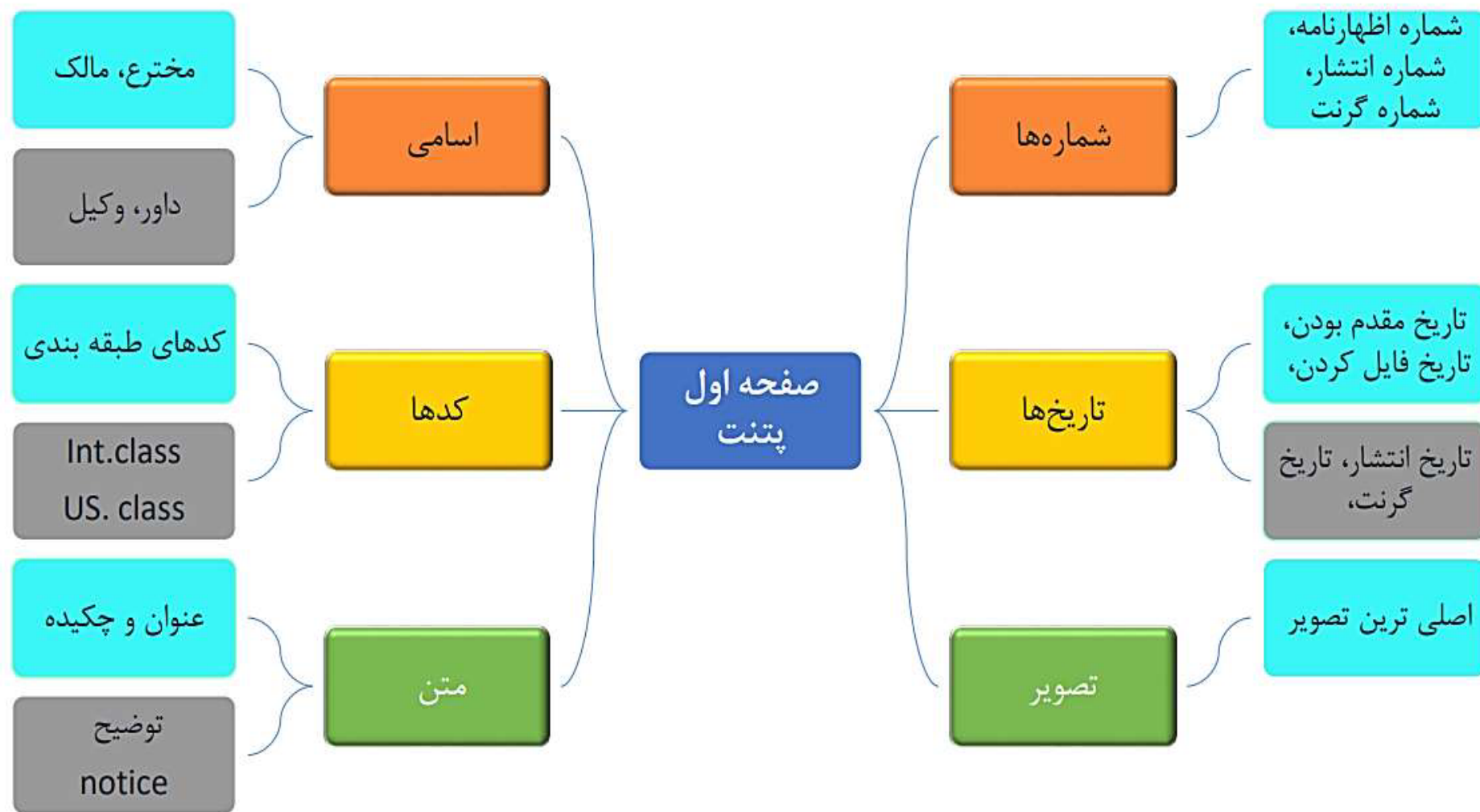
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(54) **GRAPH-BASED USER TRACKING AND
THREAT DETECTION**

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(57) ABSTRACT

Log data associated with at least one user session associated
with an original user is received. A logical graph is generated
using at least a portion of the received log data. One example
of such a logical graph is a privilege change graph that
models privilege changes between processes. Another
example of such a logical graph is a user login graph that
models machines with which the original user interacts.
Another example of such a logical graph is a machine-server
graph that clusters machines into nodes based on resources
executing on the machine. The generated logical graph is
used to detect an anomaly. The detected anomaly is
recorded.

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از حسن توجه شما سپاسگزارم.