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INTRODUCTION

Back to basics: what do we mean by IP?

- Intellectual property is the product of imagination and creativity.

Where can IP be created?

- Intellectual property can be a product of the imagination in:
 - artistic fields
 - aesthetic fields
 - commercial fields
 - technical fields

Intellectual property and "ideas"

- Intellectual property is the result of "ideas".
- "Ideas" themselves cannot be protected.
- But if you can embody them (by recording, writing down, describing, etc.) they might become protectable.

How can IP be protected?

- Ideas can be protected by a whole range of IPRs.
- The type of IPR will be different depending on the idea.

What rights do you get from your IPRs?

- Exclusionary rights
- The right to prevent others from using your intellectual property

The publication deal

- In exchange for the legal rights obtained through registration, owners agree to the substance of their IP being made public.

Why is there a requirement for publication?

- Reasons why IPRs are published:
 - Warning
 - Fairness
 - Public duty

Why search?

- To find out what others are doing
- New "ideas"
- Freedom to operate
- Enforcement

Last but not least

- Because it's there!

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Who are the potential users?

- Scientists
- Engineers
- Lawyers
- Economists/business administrators
- Historians

The structure of patent documents

- Front page
- Bibliographic data
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(11) **EP 1 000 000 A1**

EUROPEAN PATENT APPLICATION

(43) Date of publication: **17.05.2000 Bulletin 2000/20** (51) Int. Cl.⁷: **B28B 5/02, B28B 7/00, B28B 1/29**

(21) Application number: **99203729.1**

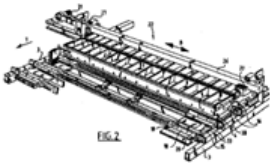
(22) Date of filing: **08.11.1999**

<p>(84) Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI</p> <p>(30) Priority: 12.11.1998 NL 1010536</p> <p>(71) Applicant: Beheermaatschappij De Boer Nijmegen B.V. 6541 BS Nijmegen (NL)</p>	<p>(72) Inventor: Kosman, Wilhelmus Jacobus Maria 6562 DA Groesbeek (NL)</p> <p>(74) Representative: Schumann, Bernard Herman Johan et al Arnold & Siedsma, Advocaten en Octrooigemachtigden, Sweelinckplein 1 2517 GK Den Haag (NL)</p>
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(54) **Apparatus for manufacturing green bricks for the brick manufacturing industry**

(57) The invention relates to an apparatus (1) for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor (3) carrying mould containers combined to mould container parts (4), a reservoir (5) for clay arranged above the mould containers, means for carrying clay out of the reservoir (5) into the mould containers, means (9) for pressing and trimming clay in the mould containers, means (11) for supplying and placing take-off plates for the green bricks (13) and means for discharging green bricks released from the mould containers, characterized in that the apparatus further comprises means (22) for moving the mould container parts (4) filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.

EP 1 000 000 A1



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Bibliographic data: EP1000000 (A1) — 2000-05-17

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Apparatus for manufacturing green bricks for the brick manufacturing industry

Page bookmark [EP1000000 \(A1\) - Apparatus for manufacturing green bricks for the brick manufacturing industry](#)

Inventor(s): KOSMAN WILHELMUS JACOBUS MARIA, [NL] ±

Applicant(s): BOER BEHEER NIJMEGEN BV DE, [NL] ±

Classification:
 - international: [B28B1/29](#); [B28B5/02](#); [B28B7/00](#); [H02P6/08](#); (IPC1-7): [B28B1/29](#); [B28B5/02](#); [B28B7/00](#)
 - cooperative: [B28B1/29](#); [B28B5/022](#); [B28B7/0064](#); [H02P6/08](#) → [more](#)

Application number: [EP19990203729](#) 19991108

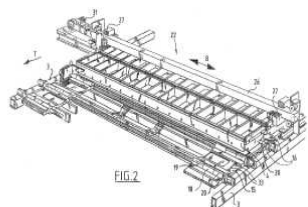
Priority number(s): [NL19981010536](#) 19981112

Also published as: [EP1000000 \(B1\)](#) [US6093011 \(A1\)](#) [NL1010536 \(C2\)](#) → [AT232441 \(T\)](#)

Abstract of EP1000000 (A1)

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The invention relates to an apparatus (1) for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor (3) carrying mould containers combined to mould container parts (4), a reservoir (5) for clay arranged above the mould containers, means for carrying clay out of the reservoir (5) into the mould containers, means (9) for pressing and trimming clay in the mould containers, means (11) for supplying and placing take-off plates for the green bricks (13) and means for discharging green bricks released from the mould containers, characterized in that the apparatus further comprises means (22) for moving the mould container parts (4) filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.



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(11) **EP 1 000 000 A1**

EUROPEAN PATENT APPLICATION

(43) Date of publication: **17.05.2000 Bulletin 2000/20** (51) Int. Cl.⁷: **B28B 5/02, B28B 7/00, B28B 1/29**

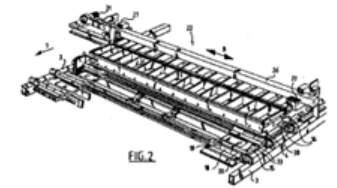
(21) Application number: **99203729.1**

(22) Date of filing: **08.11.1999**

<p>(84) Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI</p> <p>(30) Priority: 12.11.1998 NL 1010536</p> <p>(71) Applicant: Beheermaatschappij De Boer Nijmegen B.V. 6541 BS Nijmegen (NL)</p>	<p>(72) Inventor: Kosman, Wilhelmus Jacobus Maria 6562 DA Groesbeek (NL)</p> <p>(74) Representative: Schumann, Bernard Herman Johan et al Arnold & Siedsma, Advocaten en Octrooigemachtigden, Sweelinckplein 1 2517 GK Den Haag (NL)</p>
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(54) **Apparatus for manufacturing green bricks for the brick manufacturing industry**

(57) The invention relates to an apparatus (1) for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor (3) carrying mould containers combined to mould container parts (4), a reservoir (5) for clay arranged above the mould containers, means for carrying clay out of the reservoir (5) into the mould containers, means (9) for pressing and trimming clay in the mould containers, means (11) for supplying and placing take-off plates for the green bricks (13) and means for discharging green bricks released from the mould containers, characterized in that the apparatus further comprises means (22) for moving the mould container parts (4) filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.



EP 1 000 000 A1

The description

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Description: EP1000000 (A1) — 2000-05-17

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Apparatus for manufacturing green bricks for the brick manufacturing industry

Description of EP1000000 (A1)

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[0001] The invention relates to an apparatus for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor carrying mould containers combined to mould container parts, a reservoir for clay arranged above the mould containers, means for carrying clay out of the reservoir into the mould containers, means for pressing and trimming clay in the mould containers, means for supplying and placing take-off plates for the green bricks and means for discharging green bricks released from the mould containers. Such an apparatus is known in the field and is for instance described in the patent 1000186 of applicant. The known apparatus is extremely suitable for automated production of large numbers of green bricks for the brick manufacturing industry. The bricks fired from these green bricks have a substantially smooth, uniform appearance.

[0002] A recent demand has developed on the market for bricks which appear as if they have been manufactured according to traditional methods.

[0003] The invention has for its object to adapt the known apparatus such that it can produce in automated manner large numbers of green bricks with a traditional appearance.

[0004] For this purpose the apparatus according to the invention has the feature that the apparatus further comprises means for moving the mould container parts filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.

[0005] The bricks fired from the green bricks produced using the apparatus according to the invention impart beautiful shadow effects to the wall into which they have been built when the sun shines thereon. This aesthetic effect is an important commercial advantage.

[0006] The edge-forming means are preferably adapted to move the mould container parts repeatedly for a certain period. Repetition a number of times, for instance three times, is found in practice to be sufficient to obtain the intended effect.

[0007] In a practical preferred embodiment the edge-forming means are adapted to move the mould container parts substantially transversely of the transporting direction.

[0008] In a further preferred embodiment the edge-forming means comprise a frame which is adapted to engage individually on a mould container part. This preferred embodiment has the significant advantage that the edge-forming means can act on one mould container part while another mould container part undergoes another operation and is for instance filled with clay. The edge-forming means can therefore be added to the known apparatus without this affecting the production time.

Description

[0001] The invention relates to an apparatus for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor carrying mould containers combined to mould container parts, a reservoir for clay arranged above the mould containers, means for carrying clay out of the reservoir into the mould containers, means for pressing and trimming clay in the mould containers, means for supplying and placing take-off plates for the green bricks and means for discharging green bricks released from the mould containers. Such an apparatus is known in the field and is for instance described in the patent 1000186 of applicant. The known apparatus is extremely suitable for automated production of large numbers of green bricks for the brick manufacturing industry. The bricks fired from these green bricks have a substantially smooth, uniform appearance.

[0002] A recent demand has developed on the market for bricks which appear as if they have been manufactured according to traditional methods.

[0003] The invention has for its object to adapt the known apparatus such that it can produce in automated manner large numbers of green bricks with a traditional appearance.

[0004] For this purpose the apparatus according to the invention has the feature that the apparatus further comprises means for moving the mould container parts filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.

[0005] The bricks fired from the green bricks produced using the apparatus according to the invention impart beautiful shadow effects to the wall into which they have been built when the sun shines thereon. This aesthetic effect is an important commercial advantage.

[0006] The edge-forming means are preferably adapted to move the mould container parts repeatedly for a certain period. Repetition a number of times, for instance three times, is found in practice to be sufficient to obtain the intended effect.

[0007] In a practical preferred embodiment the edge-forming means are adapted to move the mould container parts substantially transversely of the transporting direction.

[0008] In a further preferred embodiment the edge-forming means comprise a frame which is adapted to engage individually on a mould container part. This preferred embodiment has the significant advantage that the edge-forming means can act on one mould container part while another mould container part undergoes another operation and is for instance filled with clay. The edge-forming means can therefore be added to the known apparatus without this affecting the production time.

[0009] In yet another preferred embodiment the frame spans the mould container part and is provided on both sides with stop members which are situated during operation at the location of the side walls of the mould container part. An exceptionally compact embodiment of the invention is hereby realized which utilizes the available space economically and can be arranged without difficulty on the known apparatus.

[0010] In order to prevent unnecessary damage to the mould container parts, these latter are provided on their side walls with stop surfaces, preferably of plastic. In preference the stop members of the frame of the edge-forming means are also provided with these, preferably plastic, stop surfaces.

[0011] The invention is described in more detail hereinbelow with reference to the drawing in which:

figure 1 shows schematically a preferred embodiment of the apparatus according to the invention;

figure 2 shows in more detail a perspective view of a part of the apparatus of figure 1 with the edge-forming means therein;

figure 3 shows the edge-forming means of figure 2 in even more detail;

figure 4 is a perspective view of a first preferred embodiment of a mould container part which is suitable for use in the apparatus according to the invention;

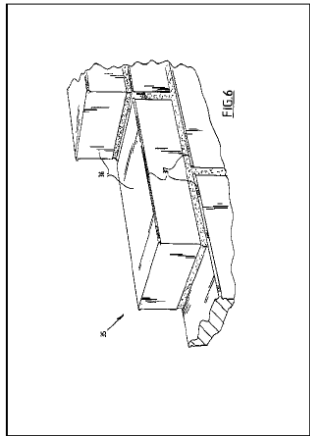
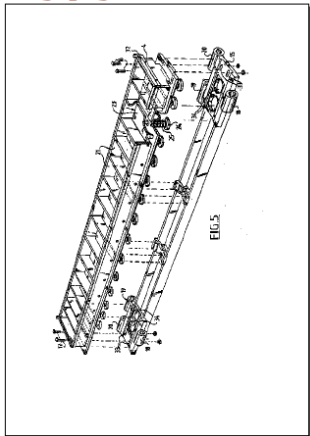
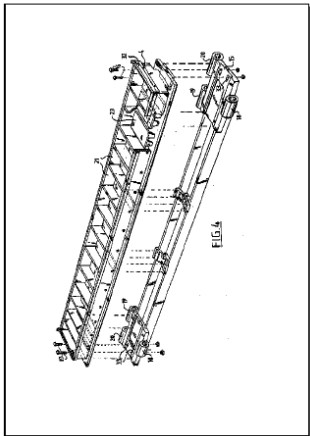
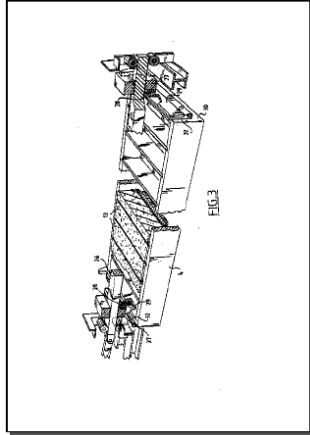
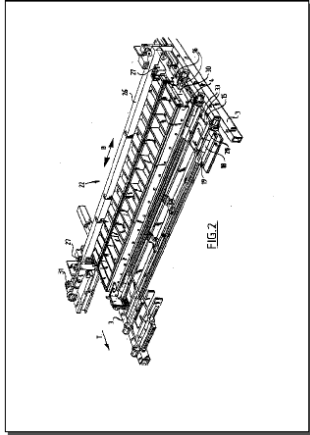
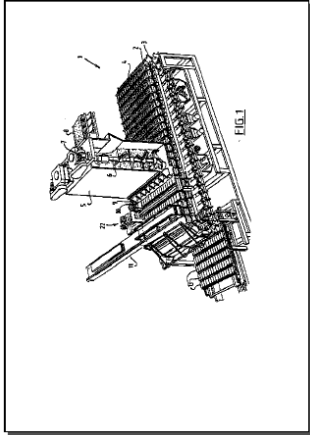
figure 5 is a perspective view of a second preferred embodiment of a mould container part; and

figure 6 shows schematically a part of a wall which has been built using bricks provided with an edge and fired from the green bricks manufactured using the apparatus according to the invention.

[0012] Like components are provided in the figures with like reference numerals.

[0013] Figure 1 shows a preferred embodiment of an apparatus for manufacturing green bricks for the brick manufacturing industry according to the invention. Apparatus 1 comprises a conveyor 3. Mould containers combined to a unit are placed in the form of a mould container part 4 on the conveyor. The mould container parts fit closely

The drawings



Drawing pages of EP1000000 A1

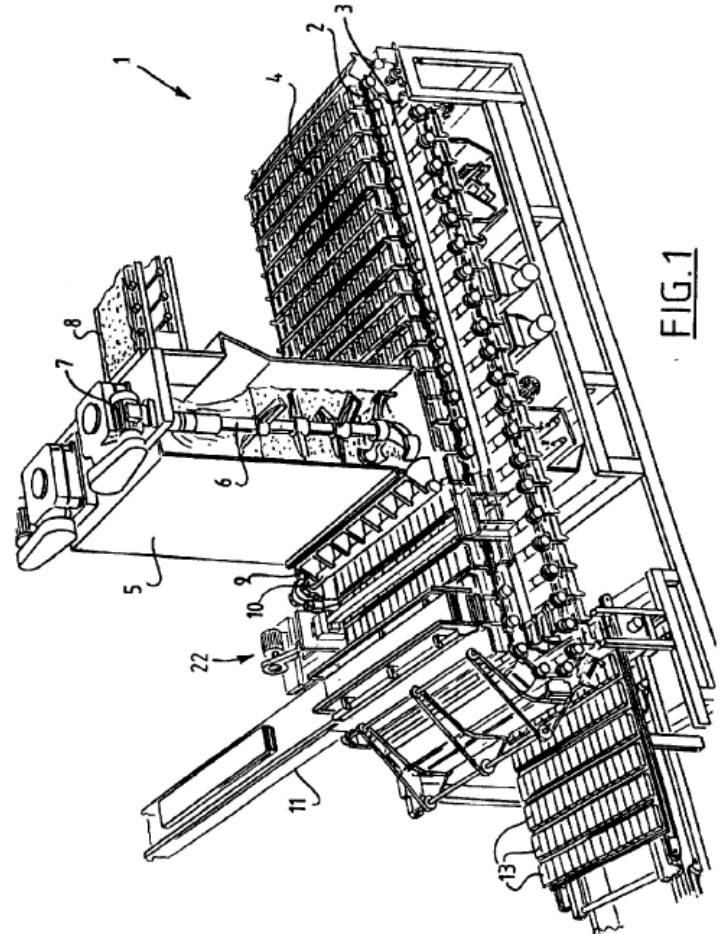


FIG. 1

The claims



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Claims: EP1000000 (A1) — 2000-05-17

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Apparatus for manufacturing green bricks for the brick manufacturing industry

Claims of EP1000000 (A1)

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Original claims Claims tree

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1. Apparatus for manufacturing green bricks from clay for the brick manufacturing industry, comprising a circulating conveyor carrying mould containers combined to mould container parts, a reservoir for clay arranged above the mould containers, means for carrying clay out of the reservoir into the mould containers, means for pressing and trimming clay in the mould containers, means for supplying and placing take-off plates for the green bricks and means for discharging green bricks released from the mould containers, characterized in that the apparatus further comprises means for moving the mould container parts filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.
2. Apparatus as claimed in claim 1, wherein the edge-forming means are adapted to move the mould container parts repeatedly for a certain period.
3. Apparatus as claimed in claim 1 or 2, wherein the edge-forming means are adapted to move the mould container parts substantially

circulating conveyor carrying mould containers combined to mould container parts, a reservoir for clay arranged above the mould containers, means for carrying clay out of the reservoir into the mould containers, means for pressing and trimming clay in the mould containers, means for supplying and placing take-off plates for the green bricks and means for discharging green bricks released from the mould containers, characterized in that the apparatus further comprises means for moving the mould container parts filled with green bricks such that a protruding edge is formed on at least one side of the green bricks.

2. Apparatus as claimed in claim 1, wherein the edge-forming means are adapted to move the mould container parts repeatedly for a certain period.
3. Apparatus as claimed in claim 1 or 2, wherein the edge-forming means are adapted to move the mould container parts substantially transversely of the transporting direction.
4. Apparatus as claimed in any of the foregoing claims, wherein the edge-forming means comprise a frame which is adapted to engage individually on a mould container part.
5. Apparatus as claimed in claim 4, wherein the frame spans the mould container part and is provided on both sides with stop members which are situated during operation at the location of the side walls of the mould container part.
6. Apparatus as claimed in claim 5, wherein the stop members are provided with stop surfaces which preferably comprise plastic.
7. Apparatus as claimed in claim 5 or 6, wherein the mould container parts are provided on their side walls with stop surfaces which preferably comprise plastic.
8. Apparatus as claimed in claim 4, 5, 6 or 7, wherein the edge-forming means comprise an eccentric drive for the frame.
9. Apparatus as claimed in any of the foregoing claims, wherein each mould container part is provided with a number of spacer members for supporting the take-off plates at a distance above the green bricks.
10. Apparatus as claimed in any of the foregoing claims, wherein the mould container parts are fixed movably onto the conveyor with some clearance in the direction of movement.
11. Apparatus as claimed in claim 10, wherein the conveyor is a chain conveyor and the mould container parts are coupled with some clearance in the direction of movement to a chain part connectable to the chain.

The search report

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1. Apparatus for manufacturing green bricks for the brick manufacturing industry.

★ **Inventor:** KOSMAN WILHELMUS JACOBUS MARIA [NL] **Applicant:** BOER BEHEER NIJMEGEN BV DE [NL] **CPC:** B28B5/022 B28B7/0014 B28B7/10 **IPC:** B28B5/02 B28B7/00 B28B7/10 (+3) **Publication info:** EP0680812 (A1) 1995-11-08 EP0680812 (B1) 2001-02-28 **Priority date:** 1994-05-06

2. Inrichting voor het vervaardigen van vormlingen.

★ **Inventor:** KOSMAN WILHELMUS JACOBUS MARIA [NL] **Applicant:** BOER BEHEER NIJMEGEN BV DE [NL] **CPC:** B28B13/0205 B28B5/022 **IPC:** B28B13/02 B28B5/02 (IPC1-7); B28B5/02 **Publication info:** NL9400663 (A) 1995-12-01 **Priority date:** 1994-04-25

3. Apparatus for shaking foundry moulds in a casting installation

★ **Inventor:** ZAHN HANS [DE] **Applicant:** NETZSCH MASCHINENFABRIK [DE] **CPC:** B28B1/0873 B28B5/022 **IPC:** B28B1/087 B28B5/02 (IPC1-7); B28B1/08 (+1) **Publication info:** DE3546191 (A1) 1987-07-02 **Priority date:** 1985-12-27



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 20 3729

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (INCL. CL.7)
A	EP 0 680 812 A (BOER BEHEER NIJMEGEN BV DE) 8 November 1995 (1995-11-08) * the whole document *	1,10,11	B28B5/02 B28B7/00 B28B1/29
A	NL 9 400 663 A (BOER BEHEER NIJMEGEN BV DE) 1 December 1995 (1995-12-01) * the whole document *	1,3	
A	DE 35 46 191 A (NETZSCH MASCHINENFABRIK) 2 July 1987 (1987-07-02) * the whole document *	1-3,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (INCL. CL.7) B28B
Place of search THE HAGUE		Date of completion of the search 15 February 2000	Examiner Gourlier, P
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1. Apparatus for manufacturing green bricks

★ **Inventor:** **Applicant:**

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Technology-specific: biochemistry

Bibliographic data: US2010136531 (A1) — 2010-06-03

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NUCLEIC ACID DETECTION USING LATERAL FLOW METHODS

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Inventor(s): GARTHWAITE IAN [AU]; MYERS PHILIP A [AU]; SADEK CHRISTINE M [AU] ±

Applicant(s): TECRA INTERNAT PTY LTD [AU] ±

Classification: - international: **C12Q1/68**

- cooperative: **C12Q1/6804; C12Q1/6816; G01N33/5308; G01N33/558; G01N33/56911; G01N33/585** → more

Application number: **US** 20070296536 20070410

Priority number(s): [US20070296536 20070410](#); [AU20060901847 20060410](#); [US20060790536P 20060410](#); [WO20071600923 20070410](#)

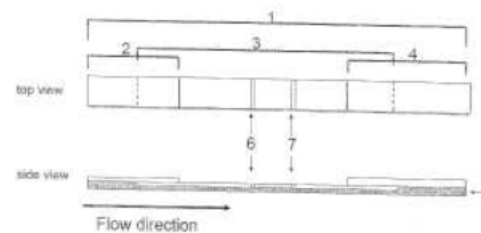
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Abstract of US2010136531 (A1)

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Methods and kits for use in detecting a target nucleic acid in a sample are disclosed. In one particular application, the methods and kits allow for the detection of an undesirable micro-organism (e.g. *Listeria*, *Salmonella* or *Enterobacteriaceae*) in food or present on a food preparation surface.



Technology-specific: civil engineering

Bibliographic data: CN1152058 (A) — 1997-06-18

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Super-long span suspension bridge

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Inventor(s):	TADAKI KAWATA [JP]; MASAHIRO KOMETA [JP]; SHUNZO NAKASAKI [JP] ±
Applicant(s):	KAWADA KOGYO KK [JP] ±
Classification:	- international: E01D1/00 ; E01D11/00 ; E01D11/02 ; E01D2/00 ; (IPC1-7): E01D11/02 - cooperative: E01D11/02
Application number:	CN1996122429 19961015
Priority number(s):	JP19950291691 19951016
Also published as:	EP0768428 (A1) EP0768428 (B1) JPH09111716 (A) US5784739 (A) ES2124056 (T3)

Abstract not available for CN1152058 (A)

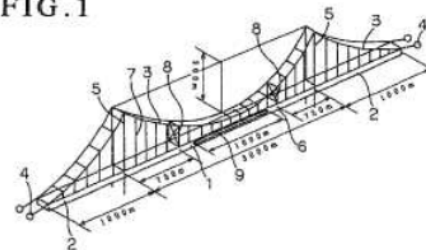
Abstract of corresponding document: EP0768428 (A1)

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As a countermeasure against storms for long span, particularly super-long span suspension bridges with the center span (1) exceeding 2,000 m, there is provided a super-long span suspension bridge which can be improved of its static and dynamic wind resistance performance by applying a mass to a portion of the girder (6).; In a suspension bridge with the center span (1) exceeding 2,000 m, a mass application member (10) capable of temporarily carrying a predetermined amount of additional load is provided on either side (9) of the stiffening girder (6) for a distance equal to 1/3 at the maximum of the center span (1) so that a mass weighing 30% or less of the weight of the girder (6) is temporarily applied in the mass application member (10) in the girder on the windward side when the bridge is subjected to a storm, and cross stays (8) are provided each at a point inward from either end of the center span section at a distance equal to 1/4 to 1/3 of the center span (1).

FIG. 1



Technology-specific: aerospace

Bibliographic data: US2010192539 (A1) — 2010-08-05

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METHODS OF CONTROLLING THRUST IN A ROCKET MOTOR

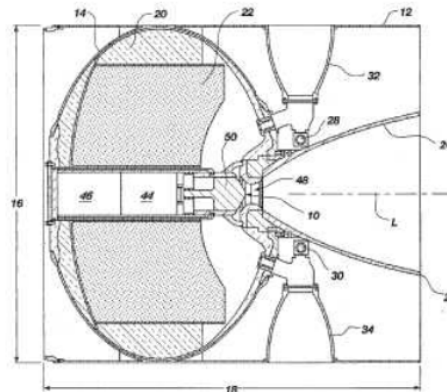
Page bookmark	US2010192539 (A1) - METHODS OF CONTROLLING THRUST IN A ROCKET MOTOR
Inventor(s):	COVER CARY LEE [US]; STROUD SEAN SCOTT [US]; PIOVOSO MICHAEL JOSEPH [US]; KELLY TIMOTHY JAMES [US] ±
Applicant(s):	COVER CARY LEE, ; STROUD SEAN SCOTT, ; PIOVOSO MICHAEL JOSEPH, ; KELLY TIMOTHY JAMES, ; ALLIANT TECHSYSTEMS INC
Classification:	- international: F02K9/80 ; F03H99/00 - cooperative: F02K9/08 ; F02K9/80 ; F05D2200/11
Application number:	US20100760069 20100414
Priority number(s):	US20100760069 20100414 ; US20060366252 20060302
Also published as:	US8539751 (B2) US2007204593 (A1) US2007204593 (A1) US7716912 (B2) US7716912 (B2) → more

Abstract of US2010192539 (A1)

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A propulsion thrust control system and method for controlling thrust in a rocket motor includes configuring valves of an energized rocket motor to an initial total valve area according to a total thrust command. The total thrust command is converted into a commanded propellant mass flow discharge rate. A varying total valve area is computed from an error between the commanded propellant mass flow discharge rate and a calculated propellant mass flow discharge rate. The valves are reconfigured according to a distribution of the varying total valve area. The propulsion system includes a pressure vessel with valves and a controller for regulating the valve area according to a propellant mass flow discharge rate from the pressure vessel.



Technology-specific: transport

Bibliographic data: GB2085383 (A) — 1982-04-28

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A railway vehicle having a tiltable body

Page bookmark [GB2085383 \(A\) - A railway vehicle having a tiltable body](#)

Inventor(s):

Applicant(s): AUTOMATISK DOSERINGS KOMPENSAT ±

Classification: - international: [B60G21/00](#); [B61D13/00](#); [B61F3/04](#); [B61F3/16](#); [B61F5/02](#); [B61F5/22](#); [B61F5/24](#); [B61F5/38](#); [B61H7/04](#); (IPC1-7): [B61F5/02](#)

- cooperative: [B60G21/00](#); [B61D13/00](#); [B61F3/04](#); [B61F3/16](#); [B61F5/02](#); [B61F5/22](#); [B61F5/24](#); [B61F5/38](#); [B61F5/386](#); [B61H7/04](#); [B60G2200/13](#); [B60G2200/132](#); [B60G2202/114](#); [B60G2204/121](#); [B60G2204/41](#); [B60G2204/80](#); [B60G2204/83](#); [B60G2204/8302](#); [B60G2800/01](#)

Application number: [GB19810015993](#) 19810526

Priority number(s): [SE19800006575](#) 19800919 ; [US19740519665](#) 19741031

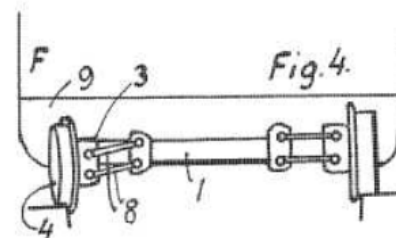
Also published as: [GB2085383 \(B\)](#) [US3974779 \(A\)](#)

Abstract of GB2085383 (A)

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The vehicle body (F), is tilted in a curve by raising its side (9) facing away from the centre of curvature while the side of the body facing towards the centre of curvature remains substantially unaffected and at a predetermined level. The vehicle can thereby be provided with small wheels (4) and the constructional height of the body be reduced. The tilting, which is performed by hydraulic cylinders, may be in conjunction with radial displacement of the wheel axes. The vehicle, which may be an articulated street vehicle, may be propelled by wheel-associated hydraulic motors.



Technology-specific: ICT

Bibliographic data: EP2387215 (A1) — 2011-11-16

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Incoming telephone call management for a portable multifunction device

Page bookmark [EP2387215 \(A1\) - Incoming telephone call management for a portable multifunction device](#)

Inventor(s): COFFMAN PATRICK [US]; LEMAY STEPHEN O [US]; JOBS STEVEN P [US]; FORSTALL SCOTT [US]; CHRISTIE GREG [US]; NOVICK GREGORY [US]; VAN OS MARCEL [US]; CHAUDHRI IMRAN [US] ±

Applicant(s): APPLE INC [US] ±

Classification:

- international: [G06F3/048](#); [H04M1/2745](#); [H04M1/57](#); [H04M1/725](#)
- cooperative: [G06F3/04817](#); [G06F3/0488](#); [H04M1/27455](#); [H04M1/576](#); [H04M1/72522](#); [H04M1/72547](#); [H04M1/72552](#); [H04M1/7258](#); [H04M1/72583](#); [H04M1/6008](#); [H04M1/6041](#); [H04M1/663](#); [H04M1/72558](#); [H04M2250/12](#); [H04M2250/22](#); [H04M2250/60](#)

Application number: EP20110176480 20070831

Priority number(s): [EP20070841759 20070831](#) ; [US20070769695 20070627](#) ; [US20070883783P 20070106](#) ; [US20070879469P 20070108](#) ; [US20070879253P 20070107](#) ; [US20060824769P 20060906](#)

Also published as: [📄 US2008055263 \(A1\)](#) [📄 WO2008030778 \(A1\)](#) [📄 EP2060096 \(A1\)](#) [📄 DE212007000039 \(U1\)](#) [📄 DE112007001109 \(T5\)](#) → more

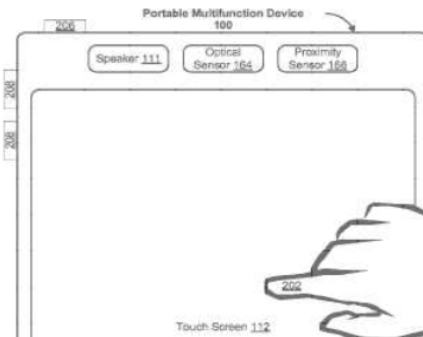
Abstract of EP2387215 (A1)

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At a portable electronic device (100) with a touch screen display (112), a list of items (2800B) comprising missed telephone calls is displayed (5002). Upon detecting (5014) user selection of an item (2803) in the list (2800B), contact information (2800C) is displayed (5016) for a respective caller corresponding to the user selected item (2803). The displayed contact information (2800C) includes a plurality of contact objects that include a first contact object (2816), comprising a telephone number object having a first telephone number associated with the missed telephone call, and a second contact object (2818,2820,2822). Upon detecting (5018) user selection of the second contact object (2818,2820,2822), a communication with the respective caller is initiated via a modality corresponding to the second contact object (2818,2820,2822).



Legal status

EP1000000 (A1)
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Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

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Bibliographic data: EP1000000 (A1) — 2000-05-17

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Apparatus for manufacturing green bricks for the brick manufacturing industry

Page bookmark [EP1000000 \(A1\) - Apparatus for manufacturing green bricks for the brick manufacturing industry](#)

Inventor(s): KOSMAN WILHELMUS JACOBUS MARIA [NL] ±

Applicant(s): BOER BEHEER NIJMEGEN BV DE [NL] ±

Classification: - international: **B28B1/29; B28B5/02; B28B7/00; H02P6/08**; (IPC1-7): B28B1/29; B28B5/02; B28B7/00

- cooperative: **B28B1/29; B28B5/022; B28B7/0064; H02P6/08** → [more](#)

Application number: **EP** 19990203729 19991108

Priority number(s): [NL19981010536](#) 19981112

Also published as: [📄 EP1000000 \(B1\)](#) [📄 US6093011 \(A\)](#) [📄 NL1010536 \(C2\)](#) → [AT232441 \(T\)](#)

Abstract of EP1000000 (A1)

Legal status: validity

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INPADOC legal status: EP1000000 (A1) — 2000-05-17

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Apparatus for manufacturing green bricks for the brick manufacturing industry

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Legal status of EP1000000 (A1) 2000-05-17; EP1000000 (B1) 2003-02-12:

EP F 99203729 A (Patent of invention)

Event date : 2000/05/17

Event code : AK

Code Expl.: + DESIGNATED CONTRACTING STATES:

KD OF CORRESP. PAT. : A1

DESIGNATED COUNTR. : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Event date : 2000/05/17

Event code : AX

Code Expl.: + EXTENSION OF THE EUROPEAN PATENT TO

FURTHER INFORMATION : AL;LT;LV;MK;RO;SI

Legal status: procedural



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EP1000000 - **Apparatus for manufacturing green bricks for the brick manufacturing industry** [Right-click to bookmark this link]

Status	No opposition filed within time limit <i>Database last updated on 06.02.2012</i>		
Most recent event	02.12.2011	New entry: Observations by third parties	
Applicant(s)	For all designated states Beheermaatschappij De Boer Nijmegen B.V. Koopvaardijweg 2 6541 BS Nijmegen / NL [2000/20]		
Inventor(s)	01 / Kosman, Wilhelmus Jacobus Maria Bredeweg 9 6562 DA Groesbeek / NL [2000/20]		
Representative(s)	† Jong, Bastiaan Jacobus , et al Arnold & Siedsma Sweelinckplein 1 2517 GK The Hague / NL [2008/34]		
Application number, filing date	99203729.1	08.11.1999	
	[2000/20]		
Priority number, date	NL19981010536	12.11.1998	Original published format: NL 1010536
	[2000/20]		
Filing language	NL		
Procedural language	EN		
Publication	Type :	A1 Application with search report	
	No. :	EP1000000	

Commercial relevance: technological impact (I)

Bibliographic data: US4800159 (A) — 1989-01-24

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EP Register

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Process for amplifying, detecting, and/or cloning nucleic acid sequences

Page bookmark [US4800159 \(A\) - Process for amplifying, detecting, and/or cloning nucleic acid sequences](#)

Inventor(s): MULLIS KARY B [US]; ERLICH HENRY A [US]; ARNHEIM NORMAN [US]; HORN GLENN T [US]; SAIKI RANDALL K [US]; SCHARF STEPHEN J [US] ±

Applicant(s): CETUS CORP [US] ±

Classification:
- **international:** **C12Q1/68**; (IPC1-7): C07H21/04; C12N15/00; C12P19/34
- **cooperative:** **C12Q1/6858**

Application number: **US**19860943948 19861217

Priority number(s): [US19860828144](#) [19860207](#) ; [US19860943948](#) 19861217

Also published as: [US4800159 \(X6\)](#) [US4800159 \(X6\)](#)

Abstract of US4800159 (A)

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Albanian

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The present invention is directed to a process for amplifying and detecting any target nucleic acid sequence contained in a nucleic acid or mixture thereof. The process comprises treating separate complementary strands of the nucleic acid with a molar excess of two oligonucleotide primers, extending the primers to form complementary primer extension products which act as templates for synthesizing the desired nucleic acid sequence, and detecting the sequence so amplified. The steps of the reaction may be carried out stepwise or simultaneously and can be repeated as often as desired. In addition, a specific nucleic acid sequence may be cloned into a vector by using primers to amplify the sequence, which contain restriction sites on their non-complementary ends, and a nucleic acid fragment may be prepared from an existing shorter fragment using the amplification process.

US4800159 (A)
Bibliographic data
Description
Claims
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INPADOC legal status
INPADOC patent family

Commercial relevance: technological impact (II)

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Citing documents: US4800159 (A) — 1989-01-24

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Approximately **1,329** document citing US4800159 (A)
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1. Nucleic acid detection system and method for detecting influenza

★ Inventor: CAI HONG [US] SONG JIAN [US]	Applicant: CAI HONG [US] SONG JIAN [US] (+1)	CPC: C12P19/34 C12Q1/68	IPC: C12P19/34 C12Q1/68	Publication info: US8980561 (B1) 2015-03-17	Priority date: 2006-08-22
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2. Microfluidic device for cell separation and uses thereof

★ Inventor: TONER MEHMET [US] TRUSKEY GEORGE [US] (+1)	Applicant: TONER MEHMET, TRUSKEY GEORGE, (+2)	CPC: B01L2200/0647 B01L2200/0668 B01L2300/0681 (+20)	IPC: B01L11/00 B01L3/00 C12M1/34 (+6)	Publication info: US2006134599 (A1) 2006-06-22 US8895298 (B2) 2014-11-25	Priority date: 2002-09-27
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3. Oncolytic Farmington rhabdovirus

★ Inventor: STOJDL DAVID F [CA]	Applicant: OTTAWA HOSPITAL RES INST [CA]	CPC: A61K35/761 A61K35/763 A61K35/766 (+6)	IPC: A61K35/76 A61K35/761 A61K35/763 (+6)	Publication info: EP2839837 (A1) 2015-02-25	Priority date: 2006-09-15
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4. Methods And Compositions For Detecting Aspergillus Terreus, Aspergillus Niger, And Mycotoxins

★ Inventor: HOOPER DENNIS G [US]	Applicant: MEDICAL SERVICE CONSULTATION INTERNAT LLC [US]	CPC: C12Q1/6895 C12Q2561/113 C12Q2600/112	IPC: C12Q1/68	Publication info: US2014221504 (A1) 2014-08-07 US8956821 (B2) 2015-02-17	Priority date: 2013-02-06
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248 (2010)

839 (May 2012)

980 (Nov 2012)

1 269 (Oct 2014)

1 329 (May 2015)

Commercial relevance: movers and shakers

Bibliographic data: US4800159 (A) — 1989-01-24

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Process for amplifying, detecting, and/or cloning nucleic acid sequences

Page bookmark [US4800159 \(A\) - Process for amplifying, detecting, and/or cloning nucleic acid sequences](#)

Inventor(s): MULLIS KARY B [US]; ERLICH HENRY A [US]; ARNHEIM NORMAN [US]; HORN GLENN T [US]; SAIKI RANDALL K [US]; SCHARF STEPHEN J [US] ±

Applicant(s): CETUS CORP [US] ±

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Title or abstract: [i](#) hair

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Publication number: [i](#) WO2008014520

Application number: [i](#) DE19971031696

Priority number: [i](#) WO1995US15925

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Publication date: [i](#) yyyyymmdd

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Applicant(s): [i](#) Institut Pasteur

Inventor(s): [i](#) Smith

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CPC classification search

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▼ ★★☆☆☆☆ <input type="checkbox"/> C07K 16/00	Immunoglobulins [IGs], e.g. monoclonal or polyclonal antibodies {(antibodies with enzymatic activity, e.g. abzymes C12N 9/0002)}
▼ ★★☆☆☆☆ <input type="checkbox"/> C07K 2317/00	Immunoglobulins specific features
▼ ★★☆☆☆☆ <input type="checkbox"/> A61K 39/00	Medicinal preparations containing antigens or antibodies (materials for immunoassay G01N 33/53)
▼ ★★☆☆☆☆ <input type="checkbox"/> C07K 14/00	Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof
▼ ★★☆☆☆☆ <input type="checkbox"/> G01N 33/00	Investigating or analysing materials by specific methods not covered by the preceding groups
▼ ★★☆☆☆☆ <input type="checkbox"/> C07K 2319/00	Fusion polypeptide
▼ ★★☆☆☆☆ <input type="checkbox"/> A61K 47/00	Medicinal preparations characterised by the non-active ingredients used, e.g. carriers, inert additives
▼ ★★☆☆☆☆ <input type="checkbox"/> A61K 45/00	Medicinal preparations containing active ingredients not provided for in groups A61K 31/00 to A61K 41/00
▼ ★★☆☆☆☆ <input type="checkbox"/> A61K 38/00	Medicinal preparations containing peptides (peptides containing beta-lactam rings A61K 31/00 ; cyclic dipeptides not having in their molecule any other peptide link than those which form their ring, e.g. piperazine-2,5-diones, A61K 31/00 ; ergot alkaloids of the cyclic peptide type A61K 31/48 ; containing macromolecular compounds having statistically distributed amino acid units A61K 31/74 ; medicinal preparations containing antigens or antibodies A61K 39/00 ; medicinal preparations characterised by the non-active ingredients, e.g. peptides as drug carriers, A61K 47/00)

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<input type="checkbox"/> C07K 16/005	•{constructed by phage libraries}
<input type="checkbox"/> C07K 16/02	•from eggs
<input type="checkbox"/> C07K 16/04	•from milk
<input type="checkbox"/> C07K 16/06	•from serum
<input type="checkbox"/> C07K 16/065	••{Purification, fragmentation}
<input type="checkbox"/> C07K 16/08	•against material from viruses
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<input type="checkbox"/> C07K 16/082	•••{Hepadnaviridae, e.g. hepatitis B virus}
<input type="checkbox"/> C07K 16/084	•••{Papovaviridae, e.g. papillomavirus, polyomavirus, SV40, BK virus, JC virus}
<input type="checkbox"/> C07K 16/085	•••{Herpetoviridae, e.g. pseudorabies virus, Epstein-Barr virus}
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<input type="checkbox"/> C07K 16/1063	•••••••{env, e.g. gp41, gp110/120, gp160, V3, PND, CD4 binding site}
<input type="checkbox"/> C07K 16/1072	••••••••{Regulatory proteins, e.g. tat, rev, vpt}
<input type="checkbox"/> C07K 16/1081	•••{Togaviridae, e.g. flavivirus, rubella virus, hog cholera virus}
<input checked="" type="checkbox"/> C07K 16/109	•••••{Hepatitis C virus; Hepatitis G virus}
<input type="checkbox"/> C07K 16/12	•against material from bacteria
<input type="checkbox"/> C07K 16/1203	••{from Gram-negative bacteria}

CPC classification search by symbol (I)

Cooperative Patent Classification

Search for

View section **Index** | A | B | C | D | E | F | G | H | Y



A »

Symbol	Classification and description		
<input type="checkbox"/> A	HUMAN NECESSITIES	<input type="button" value="s"/>	
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> D	TEXTILES; PAPER	<input type="button" value="s"/>	
<input type="checkbox"/> E	FIXED CONSTRUCTIONS	<input type="button" value="s"/>	
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> G	PHYSICS	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> H	ELECTRICITY	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> Y	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS	<input type="button" value="s"/>	<input type="button" value="i"/>

CPC classification search by symbol (II)

Cooperative Patent Classification

Search for Search View section Index **A** B C D E F G H Y

« A63C13/00 A63C19/00 »

Symbol	Classification and description
<input checked="" type="checkbox"/> A	HUMAN NECESSITIES

Health; amusement

<input type="checkbox"/> A63	SPORTS; GAMES; AMUSEMENTS
<input type="checkbox"/> A63C	SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (devices for underwater sports A63B 31/00 , A63B 33/00 , B63C 11/00 ; devices for gliding on water, e.g. water skis, B63B 35/79 , B63B 35/81 , B63B 35/83)

Skis; Accessories for skiing

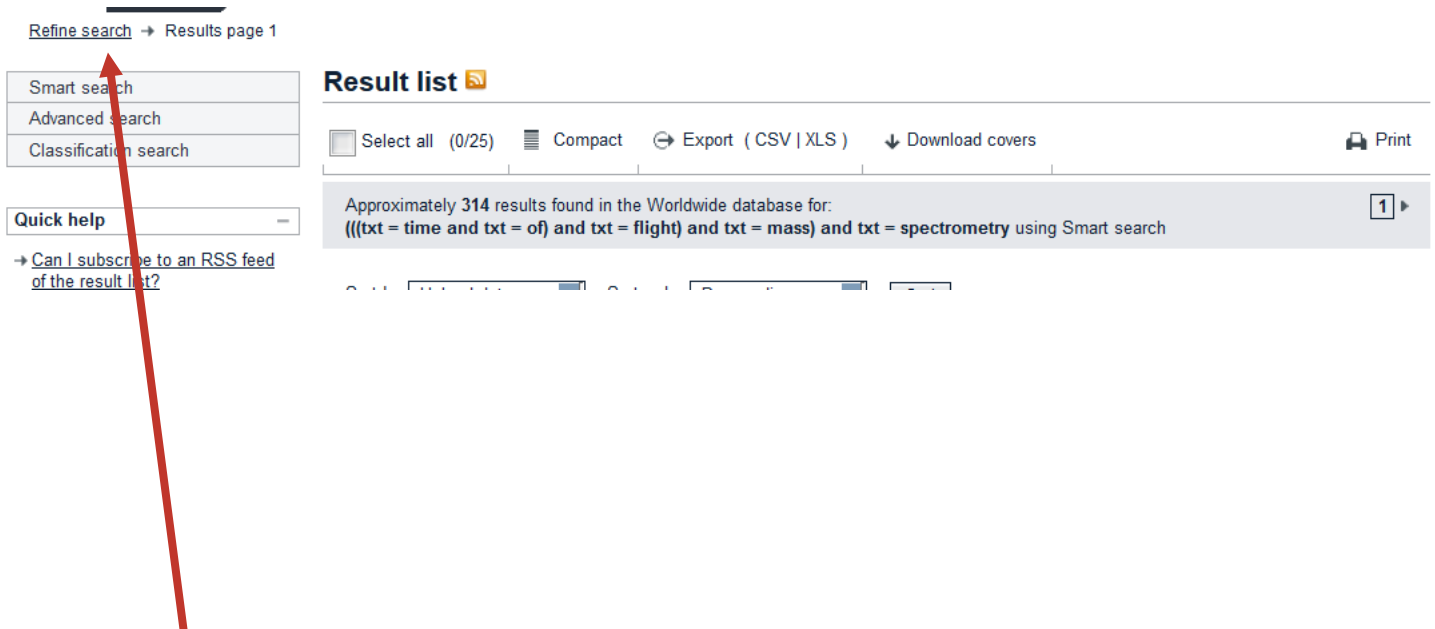
<input type="checkbox"/> A63C 17/00	Roller skates; Skate-boards	D
<input type="checkbox"/> A63C 17/0006	• {Accessories}	
<input type="checkbox"/> A63C 17/0013	• • {Devices used in combination with the skate but not fixed to it, e.g. supporting frames, sail, sticks, auxiliary wheel aid B62D 51/06 Uniaxle walk-type tractors}	D
<input type="checkbox"/> A63C 17/002	• • {Covers; Guards}	
<input type="checkbox"/> A63C 17/0026	• {Roller skates used otherwise than standing or sitting on them, e.g. body skates}	
<input type="checkbox"/> A63C 17/0033	• with a castor wheel, i.e. a swiveling follow-up wheel	
<input type="checkbox"/> A63C 17/004	• with auxiliary wheels not contacting the riding surface during steady riding	
<input type="checkbox"/> A63C 17/0046	• {with shock absorption or suspension system}	
<input type="checkbox"/> A63C 2017/0053	• {with foot plate quick release or shoe	Skis; Accessories for skiing
<input type="checkbox"/> A63C 17/006	• {with wheels of different size or type}	<input type="checkbox"/> A63C 17/00 Roller skates; Skate-boards
<input type="checkbox"/> A63C 17/0066	• {with inclined wheel, i.e. not perpendicular}	<input type="checkbox"/> A63C 17/12 • with driving mechanisms
<input type="checkbox"/> A63C 17/0073	• {with offset wheel, i.e. wheel contact perpendicular to the riding surface}	
<input type="checkbox"/> A63C 17/008	• {with retractable wheel, i.e. movable relative to the chassis out of contact from surface}	
<input type="checkbox"/> A63C 17/0086	• {Roller skates adjustable in length to fit the size of the foot}	
<input type="checkbox"/> A63C 17/0093	• {Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck (A63C 17/011 takes precedence)}	D
<input type="checkbox"/> A63C 17/01	• Skateboards (A63C 17/02 to A63C 17/28 take precedence; { rolling devices on skis A63C 5/035 })	D

CPC classification

- Keywords or classes
- "Concept search"
- Prepare offline (not in Espacenet document databases)
- Principle:
 - Find most appropriate classifications
 - Copy (into advanced search mask)
 - Refine search with keywords (do not repeat)
 - Other search terms

Navigation (I)

Breadcrumb navigation



The screenshot displays a search interface with a breadcrumb trail at the top left: [Refine search](#) → Results page 1. Below this, there are three search options: Smart search, Advanced search, and Classification search. A red arrow points from the text 'Click Search to refine search' below to the 'Smart search' button. To the right, the 'Result list' section includes a 'Select all (0/25)' checkbox, 'Compact' view, 'Export (CSV | XLS)', 'Download covers', and a 'Print' icon. A summary bar indicates 'Approximately 314 results found in the Worldwide database for: (((txt = time and txt = of) and txt = flight) and txt = mass) and txt = spectrometry using Smart search' with a '1' in a box and a right arrow. A 'Quick help' section is also visible with a link: '→ Can I subscribe to an RSS feed of the result list?'.

Click Search to refine search

Can always use the browser "back" button (but not to refine search)

Navigation (II)

Breadcrumb navigation

Previous – Next (for all sections of document)

Search → Results page 1 → WO2011106640 (A2)

WO 2011106640 (A2)

Bibliographic data

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PULSED MASS CALIBRATION IN TIME-OF-FLIGHT MASS SPECTROMETRY

Page bookmark WO 2011106640 (A2) - PULSED MASS CALIBRATION IN TIME-OF-FLIGHT MASS SPECTROMETRY

Publication date: 2011-09-01

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WO2011106640 (A2)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

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Bibliographic data: WO2011106640 (A2) — 2011-09-01

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PULSED **MASS** CALIBRATION IN **TIME - OF - FLIGHT** **MASS** **SPECTROMETRY**

Page bookmark [WO2011106640 \(A2\) - PULSED MASS CALIBRATION IN TIME-OF-FLIGHT MASS SPECTROMETRY](#)

Inventor(s): **LEDFORD** EDWARD B JR [US]; TANNER CHRISTIAN [CH]; TANNER MARTIN [CH]; GONIN MARC [CH] ±

Applicant(s): ZOEX LICENSING CORP [US]; LEDFORD EDWARD B JR [US]; TANNER CHRISTIAN [CH]; TANNER MARTIN [CH]; GONIN MARC [CH] ±

Classification: - international: [G01N27/62](#); [H01J49/40](#)

- cooperative: [H01J49/0009](#)

Application number: WO2011US26239 20110225

Priority number(s): [US20100308519P](#) [20100226](#)

Also published as: [📄 WO2011106640 \(A3\)](#) [📄 WO2011106640 \(A4\)](#) [📄 US2013075598 \(A1\)](#) [📄 US8829430 \(B2\)](#) [📄 JP2013521470 \(A\)](#)
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Smart search

Advanced search

Classification search

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1. **ION DEFLECTION IN TIME - OF - FLIGHT MASS SPECTROMETRY**

★ Inventor: UGAROV MICHAEL [US]	Applicant: AGILENT TECHNOLOGIES INC [US]	CPC: H01J49/061 H01J49/40	IPC: H01J49/06 H01J49/40	Publication info: US2015060656 (A1) 2015-03-05 US9029763 (B2) 2015-05-12	Priority date: 2013-08-30
---	--	--	---------------------------------------	---	-------------------------------------
2. **DRILLING FLUID ANALYSIS USING TIME - OF - FLIGHT MASS SPECTROMETRY**

★ Inventor: ROWE MATHEW D [US] MUIRHEAD DAVID [GB]	Applicant: HALLIBURTON ENERGY SERV INC [US]	CPC: E21B49/08 G01N21/17	IPC: E21B49/08 G01N21/17	Publication info: WO2015026361 (A1) 2015-02-26	Priority date: 2013-08-22
---	---	---	---------------------------------------	---	-------------------------------------
3. **STRATEGIC DYNAMIC RANGE CONTROL FOR TIME - OF - FLIGHT MASS SPECTROMETRY**


★ Inventor: TANNER SCOTT [CA]	Applicant: FLUIDIGM CANADA INC [CA]	CPC: H01J49/025 H01J49/40	IPC: H01J49/06 H01J49/40 H03M1/12	Publication info: WO2014194417 (A1) 2014-12-11	Priority date: 2013-06-04
---	---	--	---	---	-------------------------------------
4. **TIME - OF - FLIGHT SECONDARY ION MASS SPECTROMETRY AND ANALYSIS APPARATUS**

★ Inventor:	Applicant: PANASONIC CORP	CPC:	IPC: G01N27/62	Publication info: JP2014059286 (A) 2014-04-03	Priority date: 2012-08-22
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Refine search Results page 1

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- Advanced search
- Classification search

Result list 

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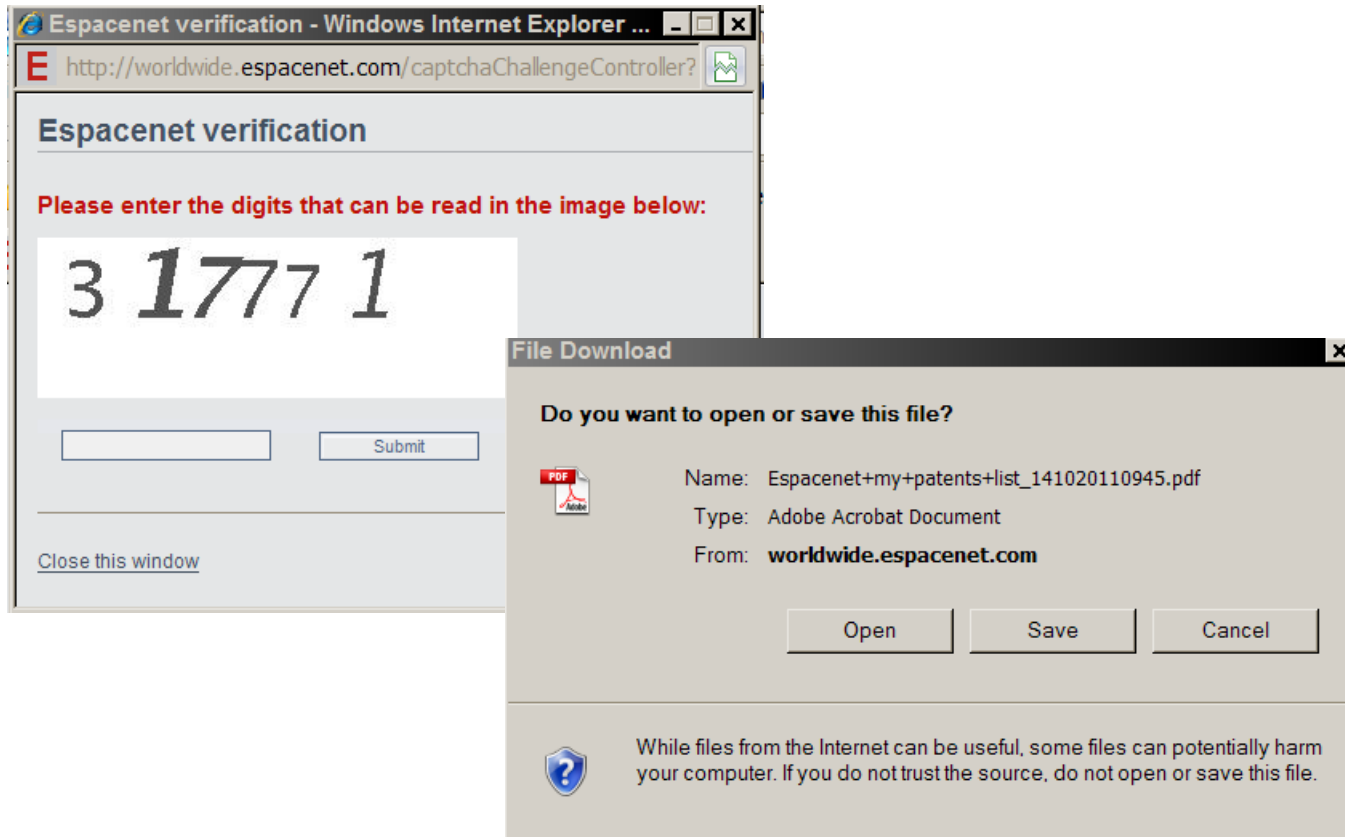
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- Why is the list limited to 500 results?
- Can I deactivate the highlighting?
- Why is it that certain documents are sometimes not displayed in the result list?
- Can I sort the result list?
- What happens if I click on the star icon?
- What are XP documents?
- Can I save my query?

Sort by Sort order Sort

Star	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
<input checked="" type="checkbox"/>	MRKSICH MILAN [US] SU JING [US]	MRKSICH MILAN [US] SU JING [US] (+1)	B82Y15/00 B82Y30/00 C12Q1/002 (+4)	C12Q1/00 G01N33/543 G01N33/553 (+1)	US2014206570 (A1) 2014-07-24	2002-07-05
<input checked="" type="checkbox"/>	HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+5)	HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+7)	H01J49/34 H01J49/40	H01J49/34	US2014138538 (A1) 2014-05-22	2011-04-14
<input checked="" type="checkbox"/>	ZHANG YING ZENG JIANGUO (+2)	HUNAN ACADEMY OF INSPECTION AND QUARANTINE	H01J49/406	G01N30/02	CN103808822 (A) 2014-05-21	2014-02-13
<input checked="" type="checkbox"/>	NONPROFIT CORP ALMATY UNIVERSITY OF POWER ENGINEERING AND TELECOMMUNICATIONS	NONPROFIT CORP ALMATY UNIVERSITY OF POWER ENGINEERING AND TELECOMMUNICATIONS	H01J49/406	H01J49/40	WO2014073943 (A1) 2014-05-15	2012-11-07

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5 items in my patents list
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US2014206570 (A1)	Characterization of biochips containi...	32
US2014138538 (A1)	RESOLUTION AND MASS RANGE PERFORMANCE...	49
CN103808822 (A)	LC-QTOF (Liquid Chromatography-Quadru...	71
WO2014073943 (A1)	MULTIPLE REFLECTION TIME-OF-FLIGHT MA...	90

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Sort by Sort order

1. MASK BLANK AND METHOD OF MANUFACTURING A TRANSFER MASK

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SUZUKI TOSHIYUKI [JP] YAMADA TAKEYUKI [JP]	HOYA CORP [JP]	G03F1/22 G03F1/38 G03F1/58 (+1)	G03F1/38 G03F1/80	US2015111134 (A1) 2015-04-23	2012-03-14

2. METHOD AND APPARATUS TO PROVIDE PARALLEL ACQUISITION OF MASS SPECTROMETRY / MASS SPECTROMETRY DATA

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
LARSON PAUL E [US] HAMMOND JOHN S [US] (+2)	HEEREN RON M [US] ULVAC PHI INC [JP]	H01J49/0027 H01J49/004 H01J49/0045 (+2)	H01J49/00	US2015090874 (A1) 2015-04-02	2012-03-28

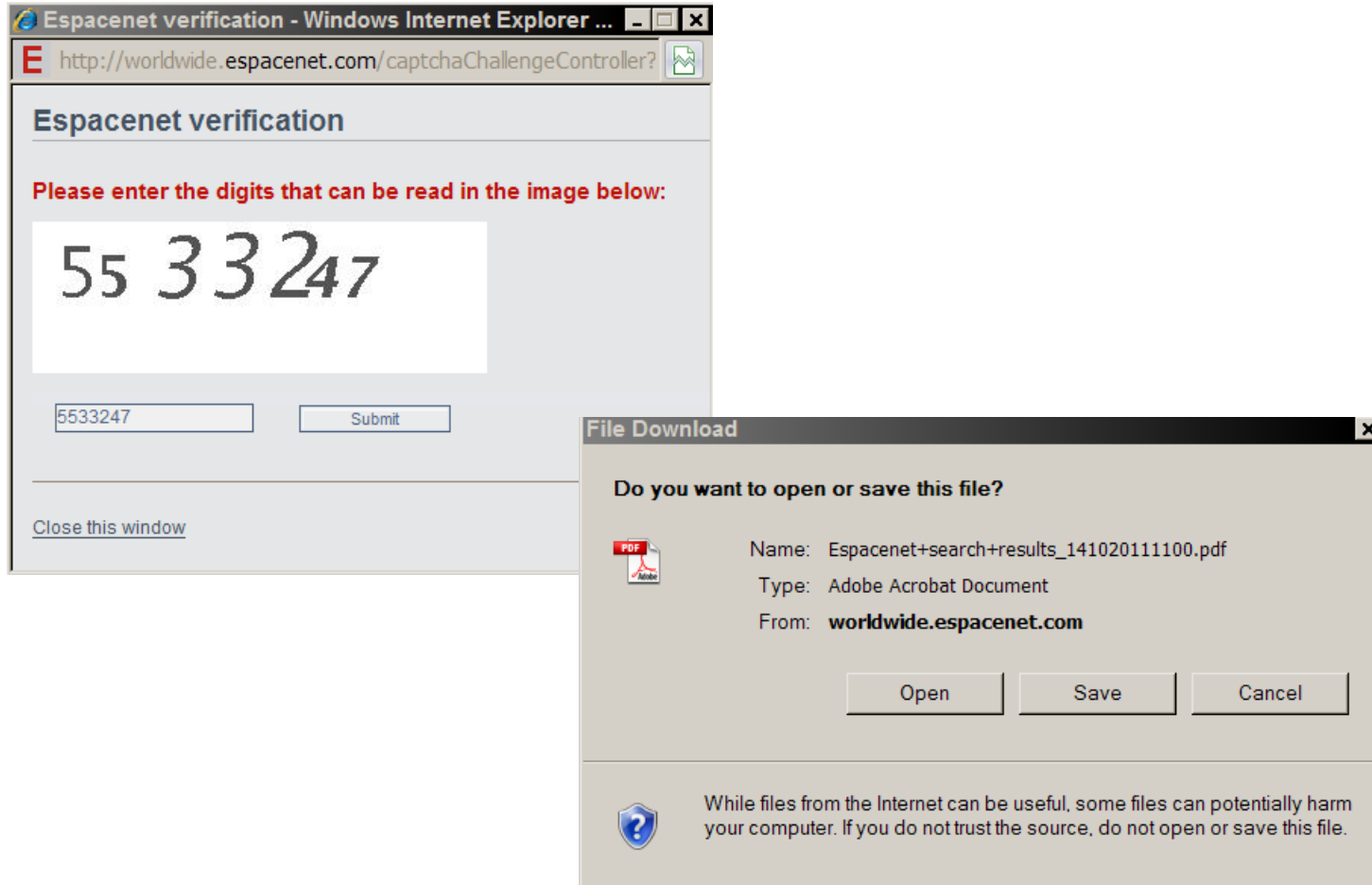
3. MASK BLANK AND METHOD OF MANUFACTURING A TRANSFER MASK

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SUZUKI TOSHIYUKI [JP] YAMADA TAKEYUKI [JP]	HOYA CORP [JP]	G03F1/22 G03F1/38	G03F1/38	US2015079502 (A1) 2015-03-19	2012-03-14

4. ION DEFLECTION IN TIME OF FLIGHT MASS SPECTROMETRY

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
UGAROV MICHAEL [US]	AGILENT TECHNOLOGIES INC [US]	H01J49/061 H01J49/40	H01J49/06 H01J49/40	US2015060656 (A1) 2015-03-05 US9029763 (B2) 2015-05-12	2013-08-30

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US2014138538 (A1)	RESOLUTION AND MASS RANGE PERFORMANCE...	3
CN103808822 (A)	LC-QTOF (Liquid Chromatography-Quadru...	4
WO2014073943 (A1)	MULTIPLE REFLECTION TIME-OF-FLIGHT MA...	5

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Sort by Sort order

1. Characterization of biochips containing self-assembled monolayers

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MRKSICH MILAN [US] SU JING [US]	MRKSICH MILAN [US] SU JING [US] (+1)	B82Y15/00 B82Y30/00 C12Q1/002 (+4)	C12Q1/00 G01N33/543 G01N33/553 (+1)	US2014206570 (A1) 2014-07-24	2002-07-05

2. RESOLUTION AND MASS RANGE PERFORMANCE IN DISTANCE-OF-FLIGHT MASS SPECTROMETRY WITH A MULTICHANNEL FOCAL-PLANE CAMERA DETECTOR

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+5)	HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+7)	H01J49/34 H01J49/40	H01J49/34	US2014138538 (A1) 2014-05-22	2011-04-14

3. LC-QTOF (Liquid Chromatography-Quadrupole Time Of Flight) analysis method for distinguishing resveratrol of different resources

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
ZHANG YING ZENG JIANGUO (+2)	HUNAN ACADEMY OF INSPECTION AND QUARANTINE	H01J49/406	G01N30/02	CN103808822 (A) 2014-05-21	2014-02-13

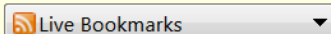
4. MULTIPLE REFLECTION TIME-OF-FLIGHT MASS ANALYZER

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	NONPROFIT CORP ALMATY UNIVERSITY OF POWER ENGINEERING AND TELECOMMUNICATIONS NEKOMMERCHESKOE AKTIONERNOE OBSHESTVO ALMATINSKY UNIVERSITETENERGETIKI I SVYAZI	H01J49/406	H01J49/40	WO2014073943 (A1) 2014-05-15	2012-11-07

Communication and sharing (II)



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[Characterization of biochips containing self-assembled monolayers](#)

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22 May 2014 00:00

[LC-QTOF \(Liquid Chromatography-Quadrupole Time Of Flight\) analysis method for distinguishing resveratrol of different resources](#)

21 May 2014 00:00

[MULTIPLE REFLECTION TIME-OF-FLIGHT MASS ANALYZER](#)

15 May 2014 00:00

[A KIT FOR LC-MS CHEMOTAXONOMIC CLASSIFICATION OF WILD TYPE LESPEDEZA SP.](#)

26 March 2014 00:00

[TIME-OF-FLIGHT SECONDARY ION MASS SPECTROMETRY AND ANALYSIS APPARATUS](#)

03 April 2014 00:00

[TIME-OF-FLIGHT MASS SPECTROMETRY](#)

17 March 2014 00:00

[TRANSIENT LEVEL DATA ACQUISITION AND PEAK CORRECTION FOR TIME-OF-FLIGHT MASS SPECTROMETRY](#)

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[CLEANING SHEET, CARRYING MEMBER WITH A CLEANING FUNCTION AND METHOD OF CLEANING SUBSTRATE PROCESSING EQUIPMENT](#)

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[METHODS OF SOURCE ATTRIBUTION FOR CHEMICAL COMPOUNDS](#)

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Sort by Sort order

1. Characterization of biochips containing self-assembled monolayers

★ Inventor: MRKSICH MILAN [US] SU JING [US]	Applicant: MRKSICH MILAN [US] SU JING [US] (+1)	CPC: B82Y15/00 B82Y30/00 C12Q1/002 (+4)	IPC: C12Q1/00 G01N33/543 G01N33/553 (+1)	Publication info: US2014206570 (A1) 2014-07-24	Priority date: 2002-07-05
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2. RESOLUTION AND MASS RANGE PERFORMANCE IN DISTANCE-OF-FLIGHT MASS SPECTROMETRY WITH A MULTICHANNEL FOCAL-PLANE CAMERA DETECTOR

★ Inventor: HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+5)	Applicant: HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] (+7)	CPC: H01J49/34 H01J49/40	IPC: H01J49/34	Publication info: US2014138538 (A1) 2014-05-22	Priority date: 2011-04-14
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3. LC-QTOF (Liquid Chromatography-Quadrupole Time Of Flight) analysis method for distinguishing resveratrol of different resources

★ Inventor: ZHANG YING ZENG JIANGUO (+2)	Applicant: HUNAN ACADEMY OF INSPECTION AND QUARANTINE	CPC:	IPC: G01N30/02	Publication info: CN103808822 (A) 2014-05-21	Priority date: 2014-02-13
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4. MULTIPLE REFLECTION TIME-OF-FLIGHT MASS ANALYZER

★ Inventor:	Applicant: NONPROFIT CORP ALMATY UNIVERSITY OF POWER ENGINEERING AND TELECOMMUNICATIONS NEKOMMERCESKOE AKTSIONERNOE OBSHESTVO ALMATINSKY UNIVERSITETENERGETIKI I SVYAZI [KZ]	CPC: H01J49/406	IPC: H01J49/40	Publication info: WO2014073943 (A1) 2014-05-15	Priority date: 2012-11-07
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Title	Publication number	Publication date	Inventor(s)	Appli
Characterization of biochips containing self-assembled monolayers	US2014206570 (A1)	2014-07-24	MRKSICH MILAN [US] SU JING [US]	MRKSICH MILAN [US] SU JING [US] UNIV CHICAGO [US]
RESOLUTION AND MASS RANGE PERFORMANCE IN DISTANCE-OF-FLIGHT MASS SPECTROMETRY WITH A MULTICHANNEL FOCAL-PLANE CAMERA DETECTOR	US2014138538 (A1)	2014-05-22	HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] GRAHAM ALEXANDER W [US] RAY STEVEN J [US] DENNIS ELISE [US] BARINAGA CHARLES J [US] KOPPENNAAL DAVID W [US]	HIEFTJE GARY M [US] ENKE CHRISTIE GEORGE [US] GRAHAM ALEXANDER W [US] RAY STEVEN J [US] DENNIS ELISE [US] BARINAGA CHARLES J [US] KOPPENNAAL DAVID W [US] BATTELLE MEMORIAL INSTITUTE UNIV INDIANA RES & TECH CORP [US]
LC-QTOF (Liquid Chromatography-Quadrupole Time Of Flight) analysis method for distinguishing resveratrol of different resources	CN103808822 (A)	2014-05-21	ZHANG YING ZENG JIANGUO HUANG ZHIQIANG LI JIE	HUNAN ACADEMY OF INSPECTION AND QUARA
MULTIPLE REFLECTION TIME-OF-FLIGHT MASS ANALYZER	WO2014073943 (A1)	2014-05-15		NONPROFIT CORP ALMATY UNIVERSITY OF PC TELECOMMUNICATIONS NEKOMMERCHESKOE AKTSIONERNOE OBSCHI SVYAZI [KZ]

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→ [If I change my settings on one computer, will they be transferred to another?](#)
→ [What is the recommended software?](#)
→ [What are the recommended browsers?](#)
→ [Do I need to enable cookies on my PC?](#)

Settings

1. Enable query history

Tick the box to enable the query history

Number of query history entries to save: ▼

2. Enable classification popups

The pop-up is available on search results list, bibliographic view and classification search

3. Enable highlighting

Tick the box to activate the highlighting of search terms

Enable Query History

Settings (II)

Query history

1. Dyson ti any "truck sea ball"

Dyson ti any "truck sea ball" Smart search

12 results found in the Worldwide database on Thu, 13 Oct 2011 19:20

2. quasi crystal*

quasi crystal* Smart search

Approximately 1061 results found in the Worldwide database on Thu, 13 Oct 2011 19:24

3. "quasi crystal"

"quasi crystal" Smart search

Approximately 252 results found in the Worldwide database on Thu, 13 Oct 2011 19:26

4. maldi

maldi Smart search

Approximately 1054 results found in the Worldwide database on Thu, 13 Oct 2011 19:57

5. hakim soft toy

hakim soft toy Smart search

0 results found in the Worldwide database on Thu, 13 Oct 2011 20:09

6. Hakim soft toy

Hakim soft toy Smart search

0 results found in the Worldwide database on Thu, 13 Oct 2011 20:09

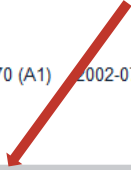
7. Hakim mp3 player

Hakim mp3 player Smart search

0 results found in the Worldwide database on Thu, 13 Oct 2011 20:10

Enable pop-ups

Enable highlighting




MRKSICH MILAN [US] SU JING [US] (+1) MRKSICH MILAN [US] SU JING [US] (+1) **B82Y15/00** B82Y30/00 C12Q1/002 (+4) C12Q1/00 G01N33/543 G01N33/553 (+1) US2014206570 (A1) 2014-07-24 2002-07-05

Enable pop-ups

CPC - B82Y15/00 SPECTROMETRY WITH A

scheme images



Symbol	Classification and description
B	PERFORMING OPERATIONS; TRANSPORTING S i
Micro-structural technology; Nano-technology	
B82	NANO-TECHNOLOGY i
B82Y	SPECIFIC USES OR APPLICATIONS OF NANO-STRUCTURES; MEASUREMENT OR ANALYSIS OF NANO-STRUCTURES; MANUFACTURE OR TREATMENT OF NANO-STRUCTURES S D i
B82Y 15/00	Nano-technology for interacting, sensing or actuating, e.g. quantum dots as markers in protein assays or molecular motors D

Publication info: US2014138538 (A1) 2014-05-22 **Priority date:** 2011-04-14

Publication info: CN103808822 (A) 2014-05-21 **Priority date:** 2014-02-13

Publication info: WO2014073943 (A1) 2014-05-15 **Priority date:** 2012-11-07

Resources

<http://worldwide.espacenet.com>

Espacenet

espacenet@epo.org

Espacenet helpdesk

ESPACENET EXERCISES

Exercise 1

- How would you find EP1000000 in Espacenet?
- What is the title of this patent?
- How many simple family members does it have?

Exercise 2

- How would you use the smart search option to find patents in the field of cathode ray tubes published in 1950 with Philo T. Farnsworth as the inventor or applicant?

Exercise 3

- Albert Einstein and Leo Szilard were friends and colleagues. Albert was known for his theoretical work on relativity, the photoelectric effect and the kinetic theory of matter. Leo was an experimental physicist who conceived nuclear chain reactions, the electron microscope, the linear accelerator and the cyclotron.
- Leo and Albert worked together on inventions in a completely different field. What was that field?

Exercise 4

Ann Lambrechts is an award-winning inventor.

- How many of her patent applications can you find in Espacenet?
- Which company does she currently work for?
- Each of her patents covers a different specific invention. What is the main technology in her portfolio of inventions?
- Can you find other inventors working in the same field?
- Can you find other companies working in the same field?

Exercise 5

Imagine you need to look for computer-controlled ABS by means of microprocessors.

- How would you find suitable patent classifications?

- How would you find out how many patents the following companies have in this technology?
 - Citroën
 - Mitsubishi
 - Volkswagen
 - Nissan

Exercise 6

Imagine that you are looking for continuous carbon fibre reinforced materials used in aircraft construction. How would you develop a search strategy using classifications and keywords?

Exercise 7

Borealis is a chemical company providing plastics materials to the infrastructure, automotive and advanced packaging markets. One of its technology platforms is Borstar®.

- Which polymeric and copolymeric materials are in the Borstar® product range?
- How would you find out how many European patents Borealis has applied for for the copolymeric materials?

Exercise 8

In today's cars, the connection between the throttle pedal and the engine is made by electrical signals travelling through wires. The pedal sensor gauges how far the driver is pressing the throttle pedal and sends signals to the engine's control computer, which determines how much to open the throttle based on input from a variety of sensors, choosing a setting that will achieve the lowest exhaust emissions, the best fuel efficiency and good engine response. In 2010, Toyota had to recall many of its products because of a failure of the on-board drive-by-wire system.

- How would you find the relevant Toyota patents?

Exercise 9

- 1,2 dichlorobenzene (*ortho*-DCB) and 1,4 dichlorobenzene (*para*-DCB) are the favoured reaction products in the chlorination of chlorobenzene. What patented methods are there for the production of 1,3 dichlorobenzene (*meta*-DCB)?

THE EUROPEAN PATENT REGISTER

Content

- About the European Patent Register
- Access
- Search options
- Results list
- Data views
- Monitoring files with Register Alert
- Quick quiz

About the European Patent Register

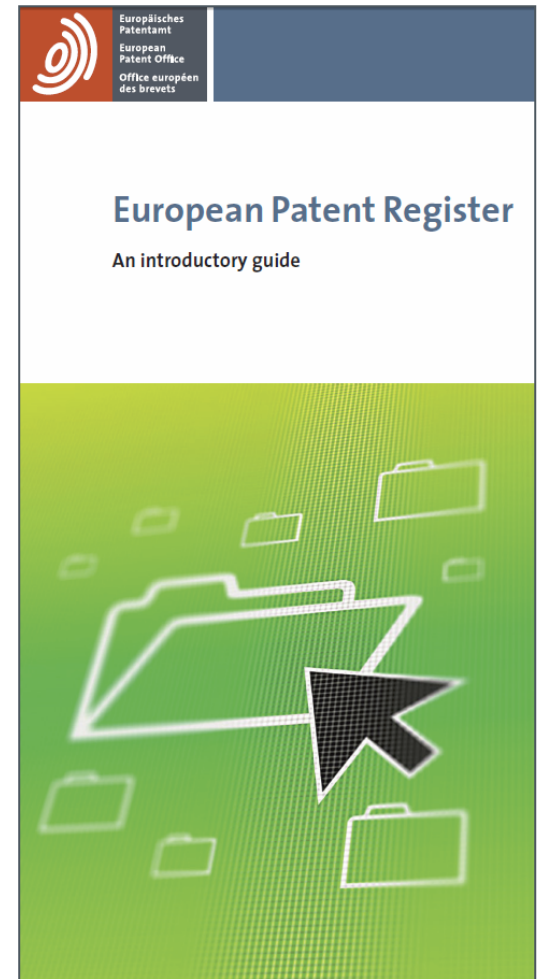
The European Patent Register provides free online access to

- legal status information
- procedural status information

relating to

- EP applications
- PCT applications

at the EPO during the European phase



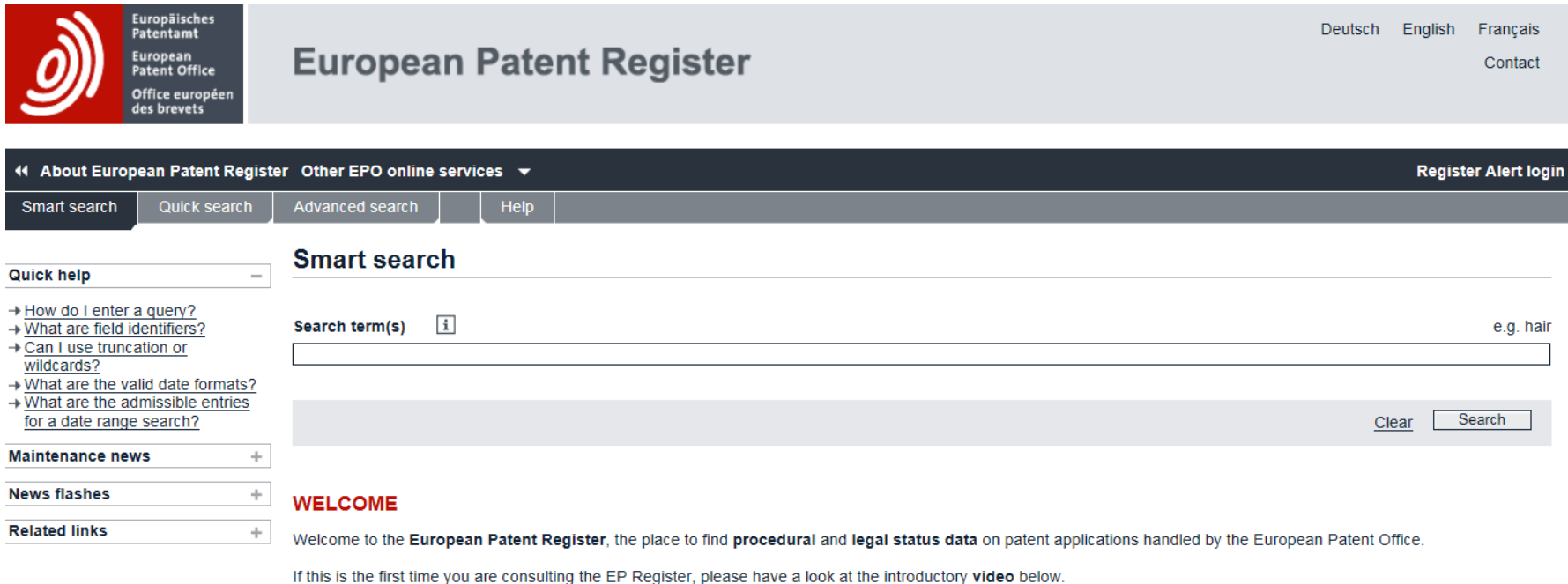
Access and availability

- Available **24/7**
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- Information available only **after publication** of the patent application

Additional features

- Legal status information in the post-grant/national phase, including direct links to a number of national registers
- Access to public correspondence between the EPO and the patent applicant/attorney
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The screenshot shows the top navigation bar of the European Patent Register website. On the left is the EPO logo and name in three languages: 'Europäisches Patentamt', 'European Patent Office', and 'Office européen des brevets'. On the right are language options: 'Deutsch', 'English', 'Français', and a 'Contact' link. Below this is a dark navigation bar with 'About European Patent Register' and 'Other EPO online services' (with a dropdown arrow), and 'Register Alert login' on the far right. A secondary navigation bar contains 'Smart search' (highlighted), 'Quick search', 'Advanced search', and 'Help'. The main content area features a 'Smart search' section with a search input field, an information icon, and a 'Search' button. Below the search field is a 'WELCOME' message and a paragraph of introductory text. On the left side, there are expandable sections for 'Quick help' (with a list of links), 'Maintenance news', 'News flashes', and 'Related links'.

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Quick help —

- [How do I enter a query?](#)
- [What are field identifiers?](#)
- [Can I use truncation or wildcards?](#)
- [What are the valid date formats?](#)
- [What are the admissible entries for a date range search?](#)

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News flashes +

Related links +

Smart search

Search term(s) ⓘ e.g. hair

Clear Search

WELCOME

Welcome to the **European Patent Register**, the place to find **procedural** and **legal status data** on patent applications handled by the European Patent Office.

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Quick search

Smart search

Quick search

Advanced search

Quick search

Enter numbers with or without country code

Publication number

e.g. EP1883031

ep2383063

Application number

e.g. EP20070010825

Enter one or more dates or date ranges

Filing date

e.g. 20070919

[Clear](#)

Search

Advanced search (I)

Smart search

Quick search

Advanced search

Advanced search

Enter numbers with or without country code

Publication number ⓘ e.g. EP1883031

Application number ⓘ e.g. EP20070010825

Priority number ⓘ e.g. US20030423700

Enter one or more dates (and/or date range for publication date)

Filing date ⓘ e.g. 20070919

Publication date ⓘ e.g. 20070919

Priority date ⓘ e.g. 20070919

Date of grant ⓘ e.g. 20070919

Enter the name of one or more persons or organisations

Applicant(s) ⓘ e.g. IBM

Inventor(s) ⓘ e.g. Siemens

Representative ⓘ e.g. vande gucht

Opponent ⓘ e.g. basf

Enter one or more classification symbols

International Classification (IPC) ⓘ e.g. H02M7/537 H03K17/687

Advanced search (II)

Smart search

Quick search

Advanced search

Advanced search

Enter numbers with or without country code

Publication number ⓘ e.g. EP1883031

Application number ⓘ e.g. EP20070010825

Priority number ⓘ e.g. US20030423700

Enter one or more dates (and/or date range for publication date)

Filing date ⓘ e.g. 20070919

Publication date ⓘ e.g. 20070919

Priority date ⓘ e.g. 20070919

Date of grant ⓘ e.g. 20070919

Enter the name of one or more persons or organisations

Applicant(s) ⓘ e.g. IBM
Samsung

Inventor(s) ⓘ e.g. Siemens

Representative ⓘ e.g. vande gucht

Opponent ⓘ e.g. basf
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Enter one or more classification symbols

International Patent Classification (IPC) ⓘ e.g. H02M7/537 H03K17/687

Smart search

Smart search

Quick search

Advanced search

Smart search

Search term(s) i e.g. hair

[Clear](#)

Smart search field identifiers (I)

Field identifiers

The following table lists the field identifiers together with a definition and an example of how to use them.

Field identifier	Description	Examples
in	inventor	in=smith
pa	applicant	pa=siemens
re	representative	re="vande gucht"
op	opponent	op=basf
ti	title	ti="mouse trap"
ap	EP/WO application number	ap=ep99203729
pn	EP/WO publication number	pn=ep1000000
pr	priority number	pr=ep20050104792
fd	filing date	fd=20010526
pd	publication date	pd=20020103
prd	priority date	prd=19780707
ic	international classification	ic=a63b49/08
ia	inventor and applicant	ia=Smith
nm	inventor, applicant, opponent, representative	nm=Sony
txt	title, inventor, applicant, opponent and representative	txt=microscope lens
num	EP/WO application number, EP/WO publication number and priority number	num=ep1000000 or num=wo2007117737

Smart search field identifiers (II)

Smart search


Search term(s) i e.g. hair

pa=Siemens ti=diode pd=2010

[Clear](#)


The results list




Smart search

Search term(s)  e.g. hair

in=ganshorn pa=siemens ic=B60M







[Clear](#)

Search results 

 Refine search  Export (CSV | XLS)  Print

Sort by Sort order

9 items found, displaying all.
Search term(s): (in = ganshorn and pa = siemens) and ic = B60M

METHOD AND DEVICE FOR DISPLACING AN ARRANGEMENT ALONG A CONTACT WIRE OF AN OVERHEAD LINE CATENARY			
	Application No. EP06754931	Publication No. EP1877275	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/28
DEVICE FOR FIXING A CONTACT WIRE OF AN OVERHEAD LINE CATENARY			
	Application No. EP05825327	Publication No. EP1827894	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/28
CONTACT WIRE CLAMP			
	Application No. EP00993599	Publication No. EP1240046	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/24
CABLE CLAMP, ESPECIALLY A CROSS-SPAN ADJUSTER CLAMP OR BEARER CABLE CLAMP FOR SUPPORTING FRAMEWORKS OF CATENARY SYSTEMS			
	Application No. EP99952367	Publication No. EP1105301	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/24 H02G7/08
Turning clamp for supporting cable for electrical conductors, especially for railway power supply			
	Application No. EP98115923	Publication No. EP0900687	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/24 H02G7/08
Catenary wire support			
	Application No. EP93117082	Publication No. EP0650863	Applicant SIEMENS AKTIENGESELLSCHAFT IPC B60M 1/20 B60M 7/00

About this file

EP0900687	About this file: EP0900687																																	
Refine search	↓ ST36	Show history	Espacenet																															
		Submit observations	Report error																															
<table border="1"> <tr><td>Citations</td></tr> <tr><td>Patent family</td></tr> <tr><td>All documents</td></tr> <tr><td>Quick help</td></tr> <tr><td>→ What happens if I click on the "XML" or "ST36" buttons?</td></tr> <tr><td>→ What kind of information can be found if I click on the "Show history" button?</td></tr> <tr><td>→ What kind of information can be found under "Status"?</td></tr> <tr><td>→ What do the digits in square brackets refer to?</td></tr> <tr><td>→ What does N/P stand for?</td></tr> <tr><td>→ Why are the publication dates of the European and international applications identical?</td></tr> <tr><td>→ What does the letter in square brackets stand for in the "Documents cited" part?</td></tr> <tr><td>→ Is it possible to navigate in the result list?</td></tr> <tr><td>Maintenance news +</td></tr> <tr><td>News flashes +</td></tr> <tr><td>Related links +</td></tr> </table>	Citations	Patent family	All documents	Quick help	→ What happens if I click on the "XML" or "ST36" buttons?	→ What kind of information can be found if I click on the "Show history" button?	→ What kind of information can be found under "Status"?	→ What do the digits in square brackets refer to?	→ What does N/P stand for?	→ Why are the publication dates of the European and international applications identical?	→ What does the letter in square brackets stand for in the "Documents cited" part?	→ Is it possible to navigate in the result list?	Maintenance news +	News flashes +	Related links +	<table border="1"> <tr><td>Status</td><td>No opposition filed within time limit <i>Database last updated on</i></td></tr> <tr><td>Most recent event</td><td>10.10.2003 No opposition filed within time limit published on 26.11.2003 [2003/48]</td></tr> <tr><td></td><td>For all designated states SIEMENS AKTIENGESELLSCHAFT Wittelsbacherplatz 2 80333 München / DE [1999/10]</td></tr> <tr><td>Inventor(s)</td><td>01 / Ganshorn, Rolf-Dieter Draisstrasse 62 68169 Mannheim / DE 02 / Leray, Philippe Bayernstrasse 60 67061 Ludwigshafen / DE [1999/10]</td></tr> <tr><td>Application number, filing date</td><td>98115923.9 24.08.1998 [1999/10]</td></tr> <tr><td>Priority number, date</td><td>DE19971038944 05.09.1997 Original published format: DE 19738944 [1999/10]</td></tr> <tr><td>Filing language</td><td>DE</td></tr> <tr><td>Procedural language</td><td>DE</td></tr> <tr><td>Publication</td><td>Type : A2 Application without search report No. : EP0900687 Date : 10.03.1999 Language : DE</td></tr> </table>	Status	No opposition filed within time limit <i>Database last updated on</i>	Most recent event	10.10.2003 No opposition filed within time limit published on 26.11.2003 [2003/48]		For all designated states SIEMENS AKTIENGESELLSCHAFT Wittelsbacherplatz 2 80333 München / DE [1999/10]	Inventor(s)	01 / Ganshorn , Rolf-Dieter Draisstrasse 62 68169 Mannheim / DE 02 / Leray, Philippe Bayernstrasse 60 67061 Ludwigshafen / DE [1999/10]	Application number, filing date	98115923.9 24.08.1998 [1999/10]	Priority number, date	DE19971038944 05.09.1997 Original published format: DE 19738944 [1999/10]	Filing language	DE	Procedural language	DE	Publication	Type : A2 Application without search report No. : EP0900687 Date : 10.03.1999 Language : DE
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Legal status

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- [What is meant by "entry into the European phase"?](#)

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Designated contracting states [AT](#)

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LI

Examination procedure 16.09.2002 Fee for printing paid

Fees paid	Renewal fee
17.08.2000	Renewal fee patent year 03
23.08.2001	Renewal fee patent year 04
19.08.2002	Renewal fee patent year 05

European patent granted 04.12.2002

Opposition procedure 05.09.2003 No opposition filed within time limit published on

INPADOC data

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Event description:	DESIGNATED CONTRACTING STATES:
Kind Code of Ref Document:	A2
Designated State(s):	AT BE CH DE ES FR GB IT LI

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Designation	Current status
Patent type	EP
Extract date	30.11.2011
Publication number	00900687
Publication of application	10.03.1999
Grant date	04.12.2002
Application no.	98115923
Filing date	24.08.1998
Title	Tragsell-Drehklemme für strom- oder spannungsführende Leitungen, insbesondere bei der Bahnstromversorgung
Renewal fee	13. Jahresgebühr bezahlt bis 31.08.2011
Owner	SIEMENS AKTIENGESELLSCHAFT Wittelsbacherplatz 2 80333 München DE-Germany
Inventor	Ganahorn, Rolf-Dieter Draisstrasse 82 68169 Mannheim DE-Germany
	Leray, Philippe Bayernstrasse 00 87061 Ludwigshafen DE-Germany
Agent	Siemens Schweiz AG Intellectual Property Freilagerstrasse 40 8047 Zürich
IPC classification	B60M-001/24 H02G-007/08
Priorities	DE 19738944 05.09.1997
Published documents	espacenet
Date of last update	11.11.2010

History ([Show](#) / [Hide](#)) | [Current status](#)

Date	Register mutation
04.12.2002	Grant with effect for CH/LI Published in PIDTJ/+pat+ 2002/23
04.12.2002	Agent Agent Siemens Schweiz AG Albaniendlerstrasse 245 8047 Zürich

Event history

EP0900687	Event history: EP0900687		
About this file	Refine search	↓ ST36	↗ Espacenet
Legal status	Submit observations	Report error	Print
Event history	Event history	22.01.1999	Publication in section I.1 EP Bulletin published on 10.03.1999 [1999/10]
Citations		28.08.2000	Renewal fee
Patent family		13.10.2000	Request for examination filed published on 29.11.2000 [2000/48]
All documents		27.10.2000	Definitive list of designations published on 13.12.2000 [2000/50]
		27.12.2000	Change - extension states
Quick help -		31.08.2001	Renewal fee
→ What happens if I click on the "XML" or "ST36" buttons?		04.12.2001	Examination report or reply
→ Why does one and the same legal event/entry refer to different dates?		07.12.2001	First examination report published on 23.01.2002 [2002/04]
→ What do the digits in square brackets refer to?		08.03.2002	Examination report or reply
Maintenance news +		12.04.2002	Communication of intention to grant
News flashes +		28.06.2002	Communication of intention to grant
Related links +		28.06.2002	Communication of intention to grant a patent
		02.09.2002	Renewal fee
		27.09.2002	Communication of intention to grant a patent
		18.10.2002	(Expected) grant published on 04.12.2002 [2002/49]
		10.10.2003	No opposition filed within time limit published on 26.11.2003 [2003/48]

Citations






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Cited in	Search
	Type: Patent literature
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	Type: Patent literature
	Publication No.:  GB301216 [A]
	Type: Patent literature
	Publication No.:  DE3814491 [A]
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	Publication No.:  DE29803747U [AD]

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→ What is Global dossier?	
→ Which types of document will I find under "Patent family"?	
→ What does A1, A2, A3 and B stand for after a publication number?	

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News flashes	+
Related links	+

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Type	M Patent family member																					
	<table border="1"> <thead> <tr> <th>Publication No.</th> <th>Date</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>DE59806503D</td> <td>16.01.2003</td> <td>D1</td> </tr> <tr> <td colspan="3">Priority number</td> </tr> <tr> <td colspan="3">Date</td> </tr> <tr> <td>DE19738944</td> <td>05.09.1997</td> <td></td> </tr> <tr> <td>DE59806503</td> <td>24.08.1998</td> <td></td> </tr> </tbody> </table>	Publication No.	Date	Type	DE59806503D	16.01.2003	D1	Priority number			Date			DE19738944	05.09.1997		DE59806503	24.08.1998				
Publication No.	Date	Type																				
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Priority number																						
Date																						
DE19738944	05.09.1997																					
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Type	E Equivalent																					
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Date																						
DE19738944		05.09.1997																				
Type	E Equivalent																					
	<table border="1"> <thead> <tr> <th>Publication No.</th> <th>Date</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>↗ AT228947T</td> <td></td> <td>15.12.2002</td> </tr> <tr> <td colspan="3">Priority number</td> </tr> <tr> <td colspan="3">Date</td> </tr> <tr> <td>DE19738944</td> <td></td> <td>05.09.1997</td> </tr> </tbody> </table>	Publication No.	Date	Type	↗ AT228947T		15.12.2002	Priority number			Date			DE19738944		05.09.1997						
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↗ AT228947T		15.12.2002																				
Priority number																						
Date																						
DE19738944		05.09.1997																				

All documents = online file inspection

EP0900687

- About this file
- Legal status
- Federated register
- Event history
- Citations
- Patent family
- All documents**

Quick help

- [Is it possible to download documents?](#)
- [Is it possible to print a list of all the documents?](#)
- [Can I sort the list of documents?](#)
- [Is it possible to open one of the documents?](#)
- [Can I open multiple documents in separate windows?](#)
- [Is it possible to print a document?](#)

Maintenance news +

News flashes +

Related links +

All documents: EP0900687

Refine search Selected documents Zip Archive Espacenet


All documents(27)

Search / examination(27)

Received by EPO(15)

Sent by EPO(12)


<input type="checkbox"/>	24.10.2002	Decision to grant a European patent
<input type="checkbox"/>	27.09.2002	Filing of the translations of the claims
<input type="checkbox"/>	27.09.2002	Translation of the claims
<input type="checkbox"/>	27.09.2002	Translation of the claims
<input type="checkbox"/>	03.07.2002	Invitation to pay the fees for intended grant
<input type="checkbox"/>	21.06.2002	Approval to announcement of intention to grant a European patent
<input type="checkbox"/>	24.04.2002	Bibliographic data of the European patent application
<input type="checkbox"/>	24.04.2002	Communication about intention to grant a European patent
<input type="checkbox"/>	24.04.2002	Text intended for grant
<input type="checkbox"/>	05.03.2002	Claims
<input type="checkbox"/>	05.03.2002	Description
<input type="checkbox"/>	05.03.2002	Reply to communication from the Examining Division
<input type="checkbox"/>	07.12.2001	Annex to the communication
<input type="checkbox"/>	07.12.2001	Communication from the Examining Division
<input type="checkbox"/>	11.04.2000	Reminder period for payment of examination fee/designation fee and correction fee
<input type="checkbox"/>	21.02.2000	Annex to European Search report
<input type="checkbox"/>	21.02.2000	Communication regarding the transmission of the European search report


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Europäisches Patentamt
European Patent Office
Office européen des brevets

Generaldirektion 2 Directorate General 2 Direction Générale 2

SIEMENS AKTIENGESELLSCHAFT
 Patent Department,
 Postfach 22 16 34
 80506 München
 ALLEMAGNE



Date/Date: 03.07.02

Zeichner/Ref./Ref	Anmeldung Nr./Application No./Demande n°/Patent No./Brevet n°
GR 97 P 3638 E	98115923.9-2422/
Anmelder/Applicant/Demandeur/Patenthaber/Propriétaire/Breveté SIEMENS AKTIENGESELLSCHAFT	

MITTEILUNG GEMÄSS REGEL 51(6) EPU

Auf die Mitteilung gemäss Regel 51 (4) EPU vom 24.04.02

ist Ihre Einverständniserklärung mit der mitgeteilten Fassung rechtzeitig eingegangen.

Soweit Sie den nachstehend genannten Erfordernissen nicht bereits nachgekommen sind, werden Sie nunmehr aufgefordert, innerhalb einer nicht verlängerbaren Frist von **d r e i** Monaten, gerechnet von der Zustellung dieser Mitteilung an,

- eine Übersetzung des Patentanspruchs/der Patentansprüche in den beiden anderen Amtssprachen des Europäischen Patentamts zweifach einzureichen; EUR
- a. die Erteilungsgebühr einschliesslich der Druckkostengebühr bis höchstens 35 Seiten zu entrichten;
Kennziffer 007 715.00
- b. die Druckkostengebühr für die 36. Seite und jede weitere Seite zu entrichten;
Anzahl der Seiten: 0
Kennziffer 008 0.00
- die Anspruchsgebühr(en) zu entrichten (Regel 51(7) EPU); Zahl der zu entrichtenden Anspruchsgebühren: 0
Kennziffer 016 0.00

Gesamtbetrag 715.00

EINSCHREIBEN

Monitoring files with Register Alert

- Monitors changes to data on up to **1 000 files**
- Sends an e-mail notification to up to **five e-mail address** when a change occurs to selected applications in the Register
- Users can
 - select which changes trigger a notification
 - customise the notification (content)
 - import and export lists of documents

Accessing Register Alert (I)

- Secure environment
- Free of charge
- Access via username and password

Accessing Register Alert (II)

The image shows the top navigation bar of the European Patent Register website. On the left is the EPO logo and the text: "Europäisches Patentamt", "European Patent Office", and "Office européen des brevets". In the center is the title "European Patent Register". On the right are language options: "Deutsch", "English", "Français", and a "Contact" link. Below this is a dark navigation bar with "About European Patent Register" and "Other EPO online services" (with a dropdown arrow). Underneath are buttons for "Smart search", "Quick search", "Advanced search", and "Help". A red box highlights a "Login" button on the right side of the page, with a red arrow pointing to it from the bottom right.

Accessing Register Alert (III)

Log in to Register Alert


Username: Password login

Password:

→ [Enrol for a username and password](#)

[Clear](#)

Setting up an account in Register Alert



Europäisches Patentamt
European Patent Office
Office européen des brevets

Register Alert service ? registration notification

You are now enrolled for the EPO's Register Alert service. To access this service please use the username and password indicated below.

Your username is: EPRegisterAlert

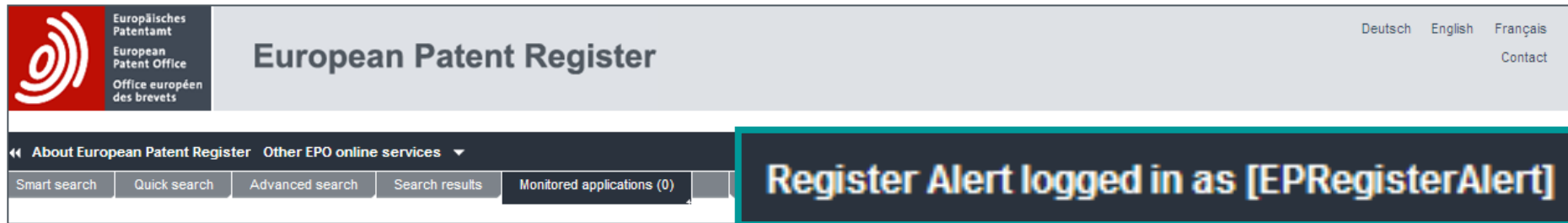
Your password is: DUoWEETV

If you forget your login details, we can send you a username reminder or a new password. Go to the login screen and select the option, "Forgotten login details?". Follow the on-screen instructions to choose the option you would like. Enter your e-mail address and click "Submit".

Note: you can request both a username reminder and a new password if you wish. You will receive the information in separate e-mails.

Kind regards,
EPO User Support

Logged in to Register Alert with username and password



The screenshot shows the top navigation bar of the European Patent Register website. On the left is the logo of the European Patent Office (EPO) with the text: "Europäisches Patentamt", "European Patent Office", and "Office européen des brevets". In the center is the text "European Patent Register". On the right are language options: "Deutsch", "English", "Français", and a "Contact" link. Below the navigation bar is a dark grey menu with the text "About European Patent Register" and "Other EPO online services" with a dropdown arrow. Below the menu are several buttons: "Smart search", "Quick search", "Advanced search", "Search results", and "Monitored applications (0)". A large dark grey box with a teal border is overlaid on the right side of the page, containing the text "Register Alert logged in as [EPRegisterAlert]". A teal arrow points from the bottom right towards this box.

Changing your Register Alert password

Edit user details

New password

Confirm new password

Title *

Ms.

First Name *

European

Last Name *

Patent Register

Company *

EPO

Monitored applications in Register Alert

The screenshot shows the top navigation bar of the European Patent Register website. On the left is the EPO logo and name in German, English, and French. The main title 'European Patent Register' is centered. On the right are language options (Deutsch, English, Français) and a 'Contact' link. Below the main title is a dark navigation bar with links for 'About European Patent Register' and 'Other EPO online services'. On the right of this bar, it says 'Register Alert logged in as [EPRegisterAlert] Log out'. Below the navigation bar are search filters: 'Smart search', 'Quick search', 'Advanced search', and 'Search results'. A red box highlights the text 'Monitored applications (0)' in the main content area.

Selecting applications to monitor in Register Alert (I)

Search results

Refine search Print

2,730 items found, displaying 1 to 20.
Search term(s): txt = amino and txt = acid

1 2 3 4 5 6 7 8 ▶▶

	Application No.	Publication No.	Applicant	IPC
<input checked="" type="radio"/>	EP12726593	WO2012156219
AMINO ACID SEQUENCES DIRECTED AGAINST IL-17A, IL-17F AND/OR IL17-A/F AND POLYPEPTIDES COMPRISING THE SAME				
<input type="radio"/>	EP12718262	WO2012156221	...	IPC
PROCESS FOR PREPARING [4,6-BIS-DIMETHYL AMINO -2-[4-(4-TRIFLUOROMETHYLBENZOYL- AMINO)BENZYL]PYRIMIDIN-5-YL]ACETIC ACID				
<input type="radio"/>	EP11749501	WO2012156764	...	IPC
METHOD OF DETECTION OF AMINO ACID SEQUENCE AND/OR IDENTIFICATION OF PEPTIDES AND PROTEINS, BY USE OF A NEW DERIVATIZATION REAGENT AND SYNTHESIS OF 5-FORMYL-BENZENE-1,3-DISULPHONIC ACID AS DERIVATIZATION REAGENT				
<input type="radio"/>	EP12782600	WO2012155146	...	IPC
CRYSTALLINE SALTS OF (4S,4A,5AR,12AS)-4-DIMETHYL AMINO -3,10,12,12A-TETRAHYDROXY-7-[(METHOXY(METHYL) AMINO)-METHYL]-1,11-DIOXO-1,4,4A,5,5A,6,11,12A-OCTAHYDRO-NAPHTHACENE-2-CARBOXYLIC ACID AMIDE AND METHODS OF USING THE SAME				
<input type="radio"/>	EP12782324	WO2012153855	...	IPC
POLY - AMINO ACID AND FERROELECTRIC MEMORY ELEMENT USING SAME				



You have to be logged in

Selecting applications to monitor in Register Alert (II)

AMINO ACID SEQUENCES DIRECTED AGAINST IL-17A, IL-17F AND/OR IL17-A/F AND POLYPEPTIDES COMPRISING THE SAME			
	Application No.	Publication No.	Applicant
<input type="radio"/>	EP12726593	WO2012156219	...

BLACK – NOT MONITORED

AMINO ACID SEQUENCES DIRECTED AGAINST IL-17A, IL-17F AND/OR IL17-A/F AND POLYPEPTIDES COMPRISING THE SAME			
	Application No.	Publication No.	Applicant
<input checked="" type="radio"/>	EP12726593	WO2012156219	...

GREEN – MONITORED

Working with the list of monitored applications in Register Alert

European Patent Register

Deutsch English Français Contact

Register Alert logged in as [EPRegisterAlert] Log out

Smart search Quick search Advanced search Search results

Monitored applications (28)

Monitored applications

+ Add Edit Delete Mark as seen Mark as unseen Preferences

Related links +

Monitored Search Find in current view Appl./Publ. No. Search Reset

Sort by Seen Sort order ascending Sort

Select all

28 items found, displaying 1 to 10. 1 2 3 ▶▶

HIGHLY PORTABLE MEDIA DEVICE

<input type="checkbox"/>	Seen	Appl./Publ. No.	Appl. No.	Date of Change	Reference	Description
<input type="radio"/>		05855368	05855368	2012-11-16		

CREATING AND PURCHASING RINGTONES

<input type="checkbox"/>	Seen	Appl./Publ. No.	Appl. No.	Date of Change	Reference	Description
<input type="radio"/>		08727390	08727390	2010-01-22		

INSERT FOR SOLES, PARTICULARLY FOR PERFORATED SOLES MADE OF POLYMERIC MATERIAL COMPRISING A MEMBRANE THAT IS IMPERMEABLE TO WATER AND PERMEABLE TO WATER VAPOR, AND SOLE COMPRISING SAID INSERT

<input type="checkbox"/>	Seen	Appl./Publ. No.	Appl. No.	Date of Change	Reference	Description
<input type="radio"/>		09772317	09772317	2011-07-29		

Register Alert preferences – table settings

Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
<p>Items per page</p> <p>10 20 30 40 50</p> <hr/> <p>columns</p> <p>Publ. No. Appl. No. Date of Change Reference Description</p> <p>→ ← ↑ ↓</p> <hr/> <p>Default sort order</p> <p>Seen Appl./Publ. No. Appl. No. Date of Change Reference Description</p> <p>Don't save Save</p>				

Register Alert preferences – notification

Preferences

Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
-----------------------	---------------------	----------------------------	---------------------------	--------------------------

e-mail notification:
Your primary e-mail address is null. This address can be set or modified by clicking on "Logged in as [xxxx]".

You can have e-mail notifications sent to up to four additional addresses. Each e-mail address will receive notifications.

e-mail address 1 : ysanchez@epo.org

e-mail address 2

e-mail address 3

e-mail address 4

e-mail address 5

[Don't save](#)

Register Alert preferences – monitoring profiles

Table Settings Notification **Monitoring Profiles** Grouping and Title Import and Export

Choose a profile to define the events you would like to be informed about.

Profile:

All entries

All entries

Substantial procedural actions

Data published in the European Patent B

- A-publication
- Separate publication of search report
- Grant of patent (B1 publication)
- Patent maintained in amended form (B2 publication)
- Limitation of patent (B3 publication)
- Withdrawal by applicant
- Application deemed to be withdrawn
- Refusal of application
- Intention to grant a European patent
- No notice of opposition filed within time limit
- Filing of notice of opposition
- Rejection of opposition
- Revocation of patent in opposition proceedings
- Revocation of patent by the patent proprietor
- Closure of opposition proceedings
- Renewal fee paid
- Lapse of patent in a contracting state
- Licence

Register Alert – notifications



Europäisches Patentamt
European Patent Office
Office européen des brevets

European Patent Register - Monitored Applications

Dear subscriber,
This message is to inform you that a change has occurred in respect of one or more items on the list of applications monitored by European Patent Register To see the latest Online European Patent Register data for the application(s) concerned, simply click on the relevant Appl./Publ. No.

INSERT FOR SOLES, PARTICULARLY FOR PERFORATED SOLES MADE OF POLYMERIC MATERIAL COMPRISING A MEMBRANE THAT IS IMPERMEABLE TO WATER AND PERMEABLE TO WATER VAPOR, AND SOLE COMPRISING SAID INSERT

Appl./Publ. No.	Appl. No.	Reference	Date of change	Event
09772317	09772317		2014-06-24	New entry: Renewal fee paid

(The order in which events occurring on the same date are listed has no significance.)

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European Patent Office

[www.epo.org](#)

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- [Quick help](#)
- [Help files](#)
- [Interactive assistant](#)
- support@epo.org

Quick quiz (I)

1. Can you use the European Patent Register to find out whether a patent was (or will be) granted for a European patent application?
2. The European Patent Register is only available from Monday to Friday. True or false?
3. Which type of search option should you use to look for applications from a specific company?
4. How can you get direct access to the legal status of an EP patent in the national phase?
5. Is access to the Register Alert service secure?
6. Can you add files that you want to monitor to your list at any time?
7. Is it possible to set up Register Alert to send messages to more than one e-mail address?

Quick quiz (II)

True or false?

1. The European Patent Office makes all the publicly available procedural and legal status information about European patent applications available via the European Patent Register.
2. You have to pay a fee to use the Register.
3. The Register allows you to see correspondence between the applicant and a number of patent offices.
4. Hyperlinks from the European Patent Register to the national registers let you to find out the legal status of a patent in the national phase quickly and easily.
5. With Register Alert you can monitor a maximum of 100 applications.

EUROPEAN PATENT REGISTER EXERCISES

Exercise 1

Which articles in the European Patent Convention (EPC) cover:

(a) The European Patent Register?

(b) File inspection?

(Clue: look in www.epo.org)

Exercise 2

- How would you devise a search in the European Patent Register to produce a result list of 10-20 recently published European patent applications?
- How would you set up a Register Alert account to monitor all the applications in this list?
- How would you set up the monitoring profile to cover all substantial procedural actions relating to these applications?

Exercise 3

- What would you do to find patent document EP2383063?
- How many deep links are there to national patent office registers?
- Which countries do the registers belong to?

Exercise 4

- Is European patent 925003 still valid in Switzerland? How would you find out?
- How would you add it to your list of monitored applications?

Exercise 5

- What were the designated states when EP0829417 was granted?
- In which countries is EP0829417 still valid?

Exercise 6

- Find patent document EP1147985
- What is the legal status of this European patent application in Spain? France? The United Kingdom? The Netherlands?
- What is the INPADOC legal status of the patent in Austria? Belgium? Switzerland? Denmark? Finland? Luxembourg? Portugal?

Exercise 7

How many opposition procedures are currently running against applications filed by Siemens?

Exercise 8

How many patent applications filed by Boeing are being opposed by Airbus?

Exercise 9

- Find patent document EP0401739.
- What procedure took place?
- Who was the opponent?
- How long after granting was the opposition filed?
- What was the outcome of the opposition?
- What happened afterwards?
- What was the outcome?



Information sources and tools for trade marks and designs

List of tools and sources

▪ **Public databases**

- for trade marks
 - TMview
 - TMclass
- for designs
 - Designview
- for EUTMs and RCDs
 - eSearch Plus
 - EuroLocarno
 - eSearch Case Law

▪ **EUIPO Registry**

- EUTM Register
- RCD Register

Searching for trade marks

- Why search for existing trade marks?
 - To maintain peaceful coexistence on the market
 - To protect your own trade marks against similar marks
- Why might it be difficult?
 - Different sources and formats
 - Different languages
 - Some signs may not be registered

Searching using TMview

- All information in **one search tool**:
 - information from national offices, EUIPO and WIPO
 - trade marks registered at national, EU and international level
 - in many EU languages
- Two search formats:
 - quick search
 - advanced search

The screenshot displays the TMview website interface. The top navigation bar includes links for Home, About, News, Contact, Help, FAQ, Tutorials, and Enquiries. A search bar is prominently featured with 'Find term' and 'Advanced search' buttons. The left sidebar contains sections for 'Share with a friend', 'Add TMview to my favourites', 'News' (with two recent news items), and 'Office information' (showing 24808422 trade marks). The main content area includes 'What is TMview?', 'How can TMview help you?', and a 'Trade mark offices' section listing 33 countries with their respective office codes and names. A world map is overlaid on the office list. The right sidebar features a 'Tip of the day' and 'More links' to European and Asian TMView services.

Country	Office Code	Office Name
AT	OPA - 180150	Austria
BG	BPO - 127535	Bulgaria
BX	BOIP - 373609	Benelux
CY	DRCOR - 82008	Cyprus
CZ	IPOCZ - 228529	Czech Republic
DE	DPMA - 1766534	Germany
DK	DKPTO - 278753	Denmark
EE	EPA - 54526	Estonia
ES	OEPM - 865027	Spain
FI	PRH - 171425	Finland
FR	INPI - 1239892	France
GB	UKIPO - 951087	United Kingdom
GR	GGE - 236697	Greece
HR	DZIV - 44251	Croatia
HU	NIPO - 127573	Hungary
IE	IEIPO - 159515	Ireland
IS	ELSIPO - 47497	Iceland
IT	UIBM - 1101150	Italy
KR	KIPO - 2884295	Republic of Korea
LT	VPS - 71420	Lithuania
LV	LRPV - 56437	Latvia
MA	OMPIC - 168479	Morocco
MT	CD-IPRD - 51918	Malta
MX	IMPI - 1066581	Mexico
NO	NIPO - 244581	Norway
PL	PPO - 368789	Poland
PT	INPIPT - 365173	Portugal
RO	OSIM - 180336	Romania
RU	ROSPATENT - 487760	Russian Federation
SE	PRV - 428353	Sweden
SI	SIPO - 44225	Slovenia
SK	SKIPO - 107885	Slovakia
TN	INNORPI - 69220	Tunisia
TR	TPI - 1168471	Turkey
US	USPTO - 7363365	United States
EM	OHIM - 1185884	OHIM
WO	WIPO - 459492	WIPO

TMview: quick search and advanced search functions

The screenshot displays the TMview search interface. At the top left is the TMview logo. A navigation bar includes links for Home, About, News, Contact, Help, FAQ, Tutorials, and Enquiries. A 'Quick Search' button is prominently displayed in the top right, with a large arrow pointing to the search input field. The search input contains 'tm:conc' and a 'Search' button. Below the input, there are two 'Close advanced search' buttons. The search results are categorized by 'Trade mark offices' (set to '- All -') and 'Trade mark name' (set to 'conc'). A dropdown menu for 'Trade mark name' is open, showing suggestions: CONCERTO, CONCORDE, CONCERT, CONCYTON, CONCORD, and CONCHIGLIA. A box labeled 'Suggestions' highlights this dropdown. Other search criteria include 'Trade mark reference number', 'Trade mark type', 'Trade mark status' (set to '- All -'), 'Applicant name' (with a 'Fuzzy search' checkbox and examples like 'JOHN*', '*JOHN*', '*JOHN* etc.'), 'Nice class' (with examples like '12.13; 12..15; 1,14,20 etc.'), 'Vienna code' (with examples like '01.03.06, 01.03.*'), 'Opposition' (with a checkbox for 'Show only trade marks currently opposable'), 'Application date' (with 'From' and 'To' date pickers), 'Sort results by' (set to 'Trade mark name'), and 'Order results' (set to 'Ascending'). A 'Clear' button is at the bottom right. On the left side, there are buttons for 'Share with a friend' and 'Add TMview to my favourites'. A 'Tip of the day' box on the right contains the text: 'In the List of results click the trade mark name or trade mark reference number to access the details of the trade mark.' A vertical sidebar on the left contains the text 'Advanced Search'.

TMview: search results

- List of search results
 - add other preferences
- Link to report sheet with all basic facts
- Tab navigation system
- Create alert system
 - receive updates for certain trade marks

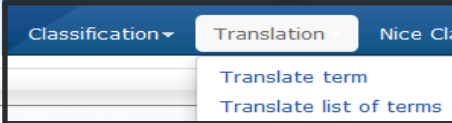
TMclass

- A free online tool for use in **searching for and classifying goods and services** – information which is needed when registering a trade mark.
- The **central point** from which to access terms that appear in the classification databases of the participating offices.

TMclass: features



Two drop-down menus



FAQ | Help | Tutorials | English (en)

Search term

Language: English (en)

Search term: Search term (E.g. Milk)

Nice Class: 1-45

Harmonised offices: BOIP CD IPRD IE IPO OHIM UKIPO

Offices: CIPO - OPIC OAPI USPTO WIPO

Search

Browse terms

Advanced criteria

Direct access to basic search

Welcome to TMclass

TMclass helps you to search for and classify Goods and Services (terms) needed to apply for trade mark protection. You can also translate a list of Goods and Services and verify if those terms appear in the classification databases of the Participating Offices highlighted below.

Direct link to all participating offices – not only in EU!

Links to trade mark offices



Harmonised offices

- OHIM
- OPA AT
- BPO BG
- BOIP BX
- DRCOR CY
- IPO CZ
- DPMA DE
- DKPTO DK
- EPA EE
- OEPM ES
- FI
- INPI FR
- UKIPO GB
- D.C.I.P. GR
- SIPO HR
- HIPO HU
- IE IPO IE
- UIBM IT
- VPB LT
- LRPV LV
- CD IPRD MT
- PPO PL
- INPI PT
- OSIM RO
- PRV SE
- SIPO SI
- SKIPO SK

Other offices

- WIPO
- IMPI MX
- IPI CH
- SAIC CN
- CIPO - OPIC CA
- IPO IS
- JPO JP
- KIPO KR
- IPOM ME
- OMPIC MA
- NIPO NO
- ROSPATENT RU
- OAPI CM
- TPI TR
- USPTO US

Participating Offices supplying data to TMclass

News

02/02/2015
France now part of the Harmonised Database

22/01/2015
HARMONISED DATABASE UPDATED WITH THE NICE 10.15

15/01/2015
Integration of OAPI (Organisation Africaine de la Propriété Intellectuelle / The African Intellectual Property Organization)

Read all news...

Tutorials

Classification: Goods
Class 1: Compositions for use in food and beverages
Detergents for use in manufacture and industry

Terms: Chemical products derived from albumin in milk; Ferments for chemical purposes

View TMclass tutorials

Other links

TMclass: main functions

- Search term
- Verify list of terms
- Translate term
- Translate list of terms

Searching using Designview

- Central access point for information on designs from:
 - national offices in the EU
 - EUIPO
- EU-wide search
 - national designs
 - RCDs
- All official EU languages
- Similar to TMview



Designview search formats: “List” mode and “Gallery” mode

The image illustrates the DesignView search interface in two modes: "List" mode and "Gallery" mode.

Top Section: Search Interface

The search bar contains the text "sport shoes". A magnifying glass highlights the view toggle icons (a grid icon for "List" mode and a list icon for "Gallery" mode). The "List" mode icon is selected.

Middle Section: List of results

The "List of results" view displays a table with the following columns: Design, Indication of the product, and Design number. The table contains the following data:

Design	Indication of the product	Design number
	Shoes	000568464-0001 THOMSEN
	Sports shoes	000099742-0010 ASICS COF
	Sports shoes	000099742-0005 ASICS COF
	Sports shoes	000099742-0001 ASICS COF
	Sports shoes	000016688-0005 LUKAS MEI

Bottom Section: Gallery

The "Gallery" view displays a grid of shoe images. The grid is organized into rows and columns, showing various shoe designs. The gallery includes navigation controls such as "Page 10f 4" and "View 1-40 Of 150".

eSearch Plus

- Integrated tool to search all EUIPO resources
 - Community trade marks
 - registered Community designs
 - owners
 - representatives
 - publications
 - related case law

 <https://euipo.europa.eu/eSearch/>



eSearch Plus: advanced search

The screenshot displays the EUIPO eSearch Plus interface. At the top left is the EUIPO logo (European Union Intellectual Property Office) with the tagline "Protect your intellectual property in the European Union". A search bar is located at the top right. Below the logo, a navigation menu includes "Home", "Trade marks", "Designs", "Law & practice", and "Learning". The main search area features a search bar with a "Search" button and a link to "Advanced search". Below the search bar, there are tabs for "Trade marks", "Designs", "Owners", "Representatives", and "Daily publication". The "Trade marks" tab is active, showing a section titled "Add search criteria from below" with a list of criteria: Trade mark representation, Trade mark number, Trade mark name, Trade mark type, Trade mark basis, Trade mark description, Reference, Recordal number, Trade mark status (EUTM), Trade mark status (IR), Acquired distinctiveness, and Nature of the mark. Below this list are sections for "Trade mark classification" (Vienna Classification, Nice Classification, Goods and services, Publication section) and "Dates" (Filing date). The "Search criteria" section allows users to sort results by "Trade mark number" and to add filters. Two filters are shown: "Trade mark number" contains [] and "Trade mark name" contains []. The filters are connected by an "and" operator. Buttons for "Clear criteria", "Reset to default", and "Search" are located at the bottom of the search criteria section. Two callout boxes are present: one pointing to the "Add search criteria from below" section labeled "Additional criteria", and another pointing to the filter input fields labeled "Filters".

The EUTM Register

- Different from public databases
- To keep track of EUTM applications and registered EUTMs
- Entries:
 - about EUTM(A) itself
 - recordals
- Easily searched through the eSearch bulletin system from the EUIPO website

Extract from the eSearch bulletin System

eSearch plus
The EUIPO's database
access

Trade marks | Designs | Owners | Representatives | **Daily publication**

Standards ST.60 and ST.80
trade marks and designs).
tion regarding Bulletins and the

Download bulletin (circled in red)

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Useful links
When a notification cannot be delivered, the EUIPO publishes a notice.

Community Designs Vademecum

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français (fr)
dansk (da)
Nederlands (nl)
português (pt)

lietuvių kalba (lt)
magyar (hu)
Malti (mt)
polski (pl)
română (ro)
slovenščina (sl)
slovenčina (sk)

27/05/2016 - 010826736

B.4	450	31/05/2016
C.1		
C.1.1		
C.1.2		
C.1.3		
C.2	111	005073473 005073523 005073531 005075321
C.3	732	Timan Investments Holdings Limited B2 Industry Street QRM 3000 Qormi MT
C.4		
C.5		
C.6		
C.7		
C.8	580	27/05/2016 - 010826736
C.9		
C.10	450	31/05/2016
D.1		

The RCD Register

- Registration of Community designs by EUIPO
- Information about:
 - design itself
 - amendments
- Published in eSearch Plus Design Bulletin

Extract from the eSearch plus Designs Bulletin

eSearch plus
The EUIPO's database
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Trade marks | Designs | Owners | Representatives | **Daily publication**

Bulletins download

Type: RCD

Year: 2016

Number: 2016/099 - 31/05/2016

Language: English

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Bulletins are organised in... (recommendations on bit...)
Please refer to the Vadem... codes used.

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eesti keel (et)
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poiski (pl)
română (ro)
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0006.1

21 003156454-0007
25 DE - EN
22 27/05/2016
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45 31/05/2016
11 003156454-0007
72 Diot Garreßband
Rooft Kochoauf
Roerert Bosch GmbH
Wernerstr. 1
Postfach 30 02 20
D-70442 Stuttgart
ALEMANIA

51 14 - 04
54 BG - Екрани изображения и иконки
ES - Visualizaciones de pantalla e iconos
CS - Zobrazení a ikony na obrazovce
DA - Skærmdisplays og ikoner
DE - Bildschirmanzeigen und Ikonen
ET - Monitorid ja ikoonid

0007.1

21 003156454-0008
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Check complete

Room Sensor for HCl ✓
Room Sensor for HCl ✓
DHW system connected ✓
Pool module connected ✓
Solar system connected ✓
Power grid connected ✓

Next

Next

EuroLocarno

The screenshot shows the EuroLocarno website interface. At the top left is the EUIPO logo (European Union Intellectual Property Office) with the tagline "Protect your intellectual property in the European Union". A search icon is in the top right. A navigation bar contains links for Home, Trade marks, Designs, Law & practice, and Learning. The main heading is "EuroLocarno" with a magnifying glass icon, followed by "European RCD Classification". Below this are search filters: "Locarno classification" with dropdowns for "All classes" and "All subclasses", and "Search language" with a dropdown for "English". A search bar labeled "Indication of product" contains a search icon and the text "Search terms...". A blue "Search" button is to the right of the search bar. Below the search bar, there is a paragraph: "Search for the indication of products and their corresponding classification in the EuroLocarno database, available in all the official EU languages." and a link: "Eurolocarno list of classes and subclasses - Last update 25/09/2014" with a "Learn more" link below it.

EUIPO
EUROPEAN UNION
INTELLECTUAL PROPERTY OFFICE

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EuroLocarno

European RCD Classification

Locarno classification

All classes ▾ All subclasses ▾

Search language

English ▾

Indication of product


Search terms... **Search**

Search for the indication of products and their corresponding classification in the EuroLocarno database, available in all the official EU languages.


[Eurolocarno list of classes and subclasses - Last update 25/09/2014](#)

[Learn more](#)

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eSearch Case Law

From **To** **Language**

Case number Nickname [Advanced search](#)

Search for decisions of the EUIPO and judgments of the General Court, Court of Justice and national courts. [Learn how](#)

1.8.0-RC1.1