Espacenet

Patent search

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TERAJU IP

Espacenet

Presentation Outline

- Introduction
- Field Identifier
- Basic Input
- Search Mode
  - Smart Search
  - Advanced Search
- Truncation
- Boolean Operator
- Default Operator/field
- Proximity
- My Patent List
- Patent Translate
- Navigation
- Exercises 1-2
- Advantages

Tips: ABSENCE OF EVIDENCE IS NOT EVIDENCE OF ABSENCE

About

- Free patent search tool
- Developed by the EPO
- Has more than 90 million patent documents
- From more than 90 countries
- Ranged from 1836 to today
- Support secure access protocol (https) – for additional secrecy measures

Requirement

Field Identifier (Smart Search)

Field identifier	Description	Examples
in	inventor	in=smith
pa	applicant	pa=siemens
ti	title	ti="mouse trap"
ab	abstract	ab="mouse trap"
pr	priority number	pr=ep20050104792
pn	publication number	pn=ep1000000
ap	application number	ap=jp19890234567
pd	publication date	pd=20080107 OR pd="07/01/2008" OR pd=07/01/2008
ct	citation/ cited document	ct=ep1000000
cpc	Cooperative Patent Classification	cpc="A61K31/13"
ia	inventor and applicant	ia=Apple OR ia="Ries Klaus"
ta	title and abstract	ta="laser printer"
txt	title, abstract, inventor and applicant	txt=microscope lens
num	application, publication and priority number	num=ep1000000
ipc	all current and previous versions of the IPC	ipc=A63B49/08
cl	IPC and CPC	cl=C10J3

New operator: ftxt to search in full text

***Typical maximum search terms per field is 10 (not including operator)**

Basic Input - Date Format

- Date (Day, Month, Year)
- DD.MM.YYYY or YYYYMMDD

- Date (Month, Year)
- MM.YYYY

- Date (Year)
- YYYY

- Range:
- Date1:Date2

Basic Input – Search Terms

Any terms that is deemed appropriate, such as:

Monosodium
TiO2 solar panel
Fenceless gate
Functional tissue

Search mode

Europäisches Patentamt
European Patent Office
Office européen des brevets

Espacenet
Patent search

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Smart search
Advanced search
Classification search

Smart search
Advanced search
Classification search

Maintenance news

Maintenance/outages

Espacenet outages - times are CET:
Mon-Sun 05:00-c.05:30
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Latest updates

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In order to offer you the best possible learning experience we have launched an updated version of the Espacenet assistant online tutorial to include recent changes.

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In the toolbar there's a date picker which allows you to choose a particular month, or a date range, and see whether there has been a CPC revision during that time. The date picker also links to the notice of changes on the CPC site

There are 3 new buttons that allow you to show or hide the 2000 series codes and you can choose to show them interleaved (their proper place in the CPC hierarchy) or at the end of the screen. The interleaved position is the official position and this will be the default in future.

Dedicated icons link you to the official printable CPC schema itself in .pdf, CPC definitions, CPC notes and CPC warnings

Don't forget to enable the "classification pop-ups" in the Espacenet settings menu. This will activate the new interactive CPC pop-up window when you **click** on a classification symbol in an Espacenet screen.

Just a reminder, in the bibliographic view, Espacenet will display CPC classifications where a national office has classified its own documents (CPCNO) when you click the "more" link in the CPC field. Espacenet will also show combisets or C-sets where relevant.

Smart Search 1/3

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European Patent Office
Office européen des brevets

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Smart search: Siemens EP 2007

Clear Search

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Dedicated icons link you to the official printable CPC schema itself in .pdf, CPC definitions, CPC notes and CPC warnings

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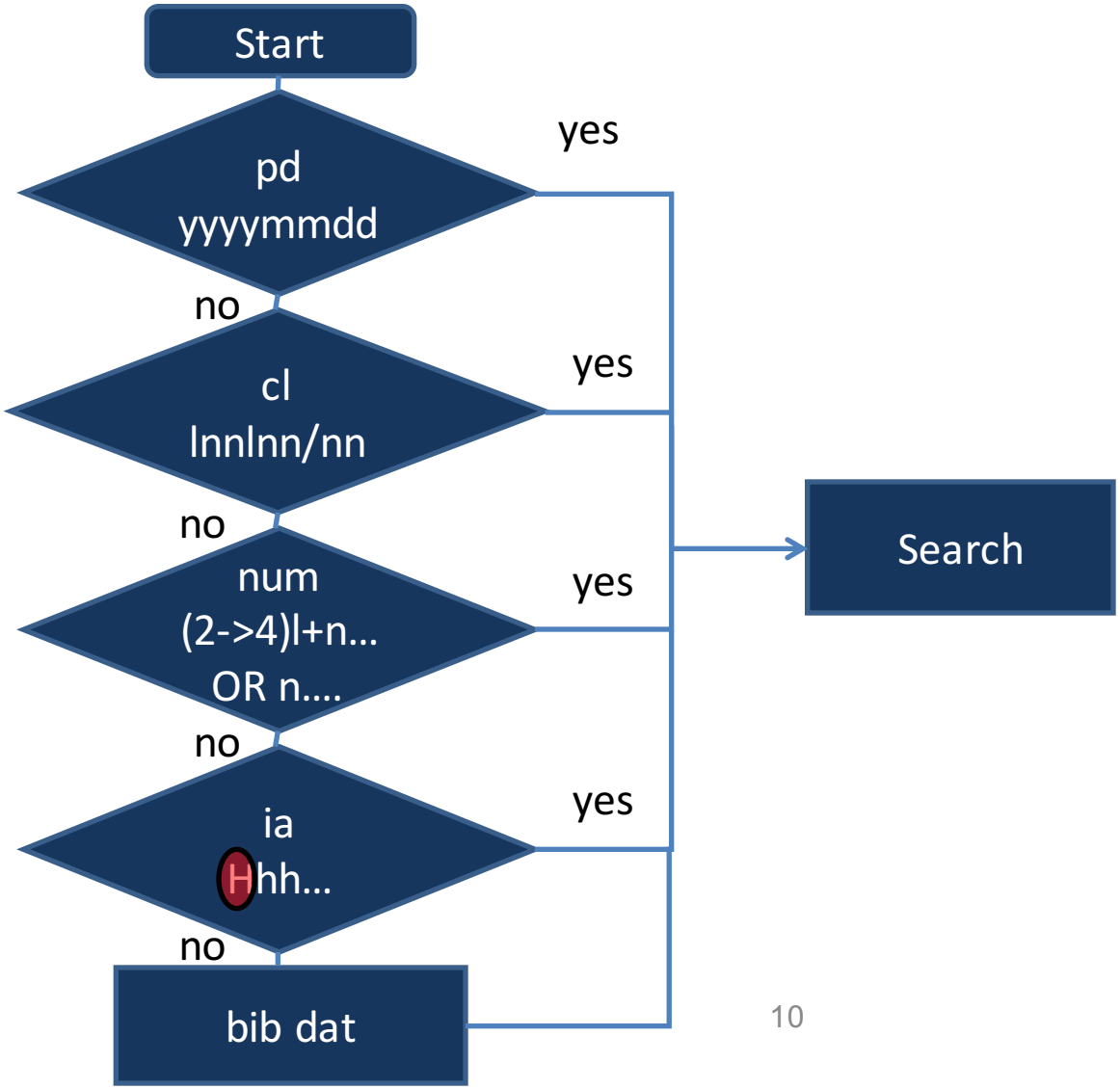
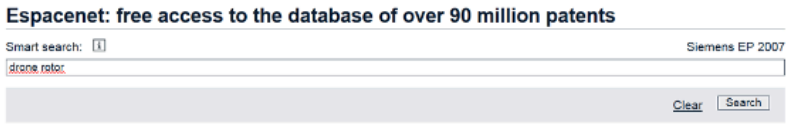
Smart Search 2/3



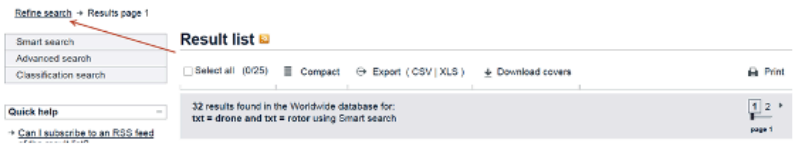
Smart Search 3/3

1.2. Full-text search: Smart search

Enter keyword(s) and click **Search** as usual.



Then click **Refine search** as indicated below:



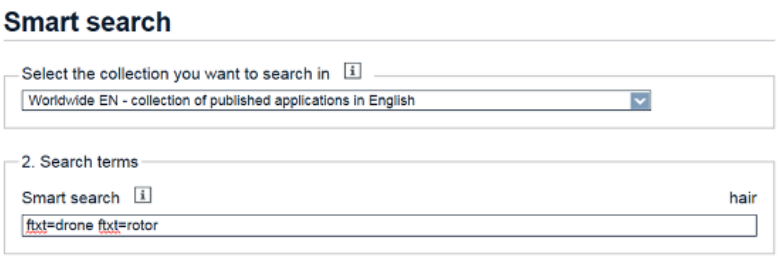
This takes you to the **Smart search** screen where you can choose a full-text collection from the drop-down menu and use the following field identifiers in connection with your search terms:

ftxt = to search full text in the description and claims

desc = to search full text in the description

claims = to search full text in the claims.

The default (field identifier = txt) is for searching in the title and abstract as well as in the applicant and inventor fields.



HINT: EASIER TO DO FULL TEXT SEARCH IN ESPACENET ADVANCED SEARCH

Advanced Search 1/2

Smart search
Advanced search
Classification search

Quick help

- How many search terms can I enter per field?
- How do I enter words from the title or abstract?
- How do I enter words from the description or claims?
- Can I use truncation/wildcards?
- How do I enter publication, application, priority and NPL reference numbers?
- How do I enter the names of persons and organisations?
- What is the difference between the IPC and the CPC?
- What formats can I use for the publication date?
- How do I enter a date range for a publication date search?
- Can I save my query?

Related links

Advanced search

Select the collection you want to search in

Worldwide - collection of published applications from 90+ countries

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title: plastic and bicycle

Title or abstract: hair

Enter numbers with or without country code

Publication number: WO2008014520

Application number: DE19971031696

Priority number: WO1995US15925

Enter one or more dates or date ranges

Publication date: yyyymmdd

Enter name of one or more persons/organisations

Applicant(s): Institut Pasteur

Inventor(s): Smith

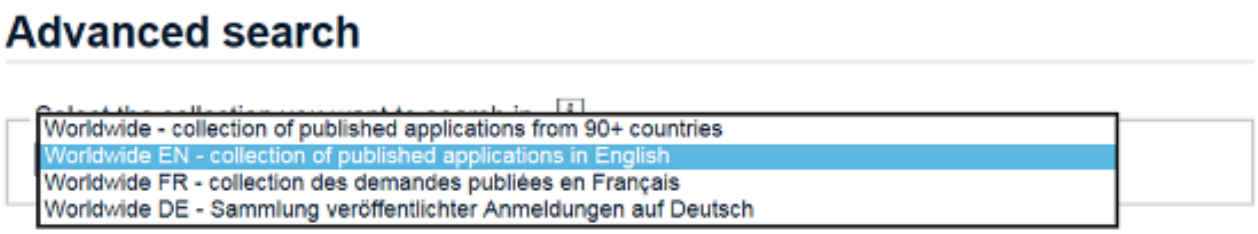
Enter one or more classification symbols

CPC

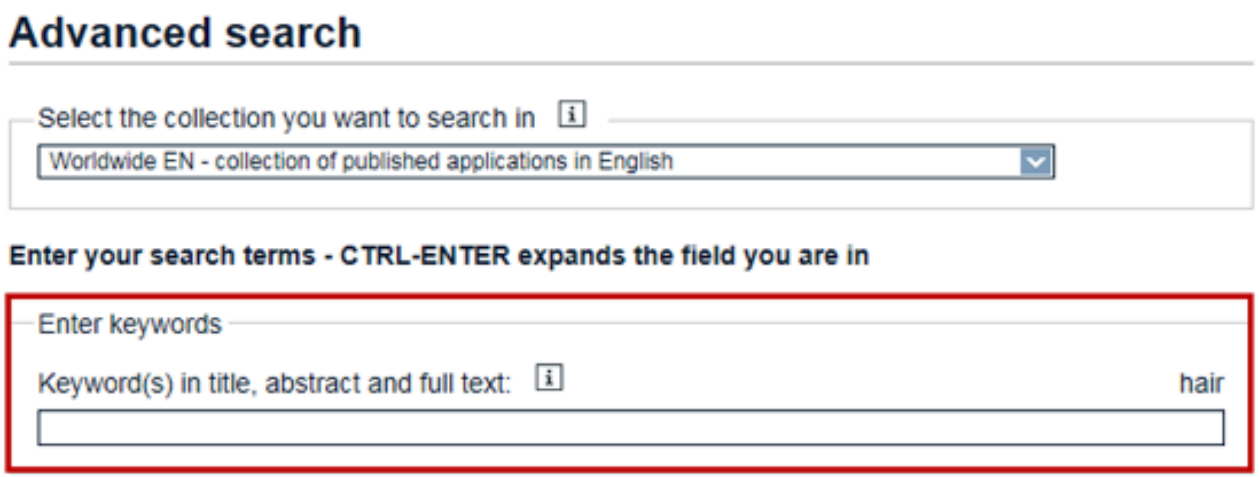
IPC H03M1/12

Clear Search

Advanced Search 2/2



Then enter at least one keyword in that language in the **Enter keywords** field:



Truncation 1/2

1 character

? 0 or 1 character

* character of any length

- Eg: start; start#; start?; start*

Truncation 2/2

Characters	Maximum Truncations
2	3
3 or more	7

eg. ye###, ye#?#, ye???

eg. ken#######, ken#?#?#?#, ken???????

Boolean Operator 1/5

AND

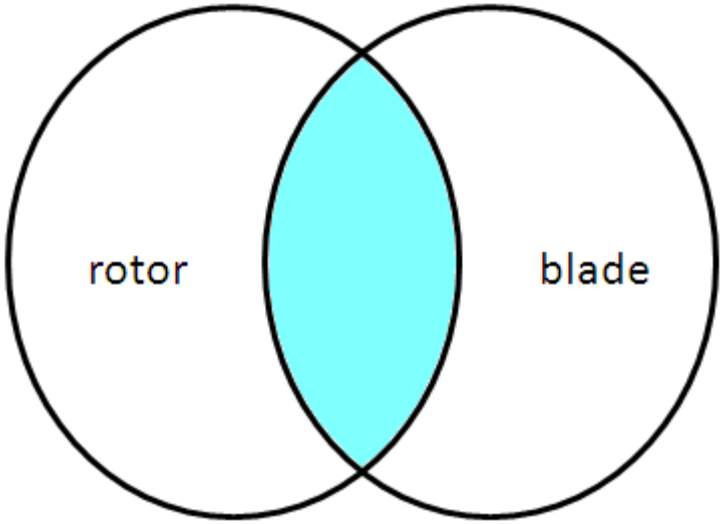
OR

NOT

Not case sensitive!

Boolean Operator 2/5

AND

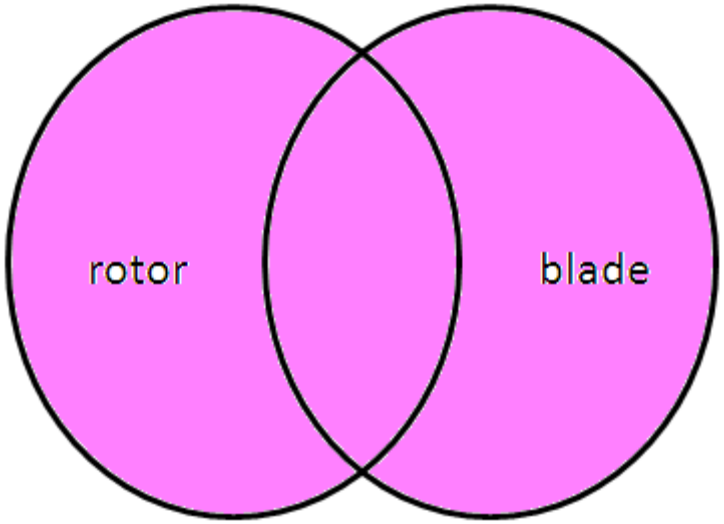


rotor AND blade

Default operator
rotor blade = rotor AND blade

Boolean Operator 3/5

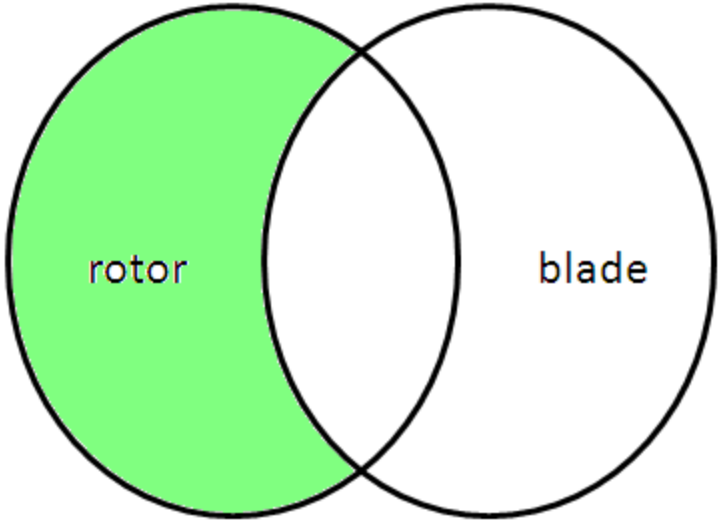
OR



rotor OR blade

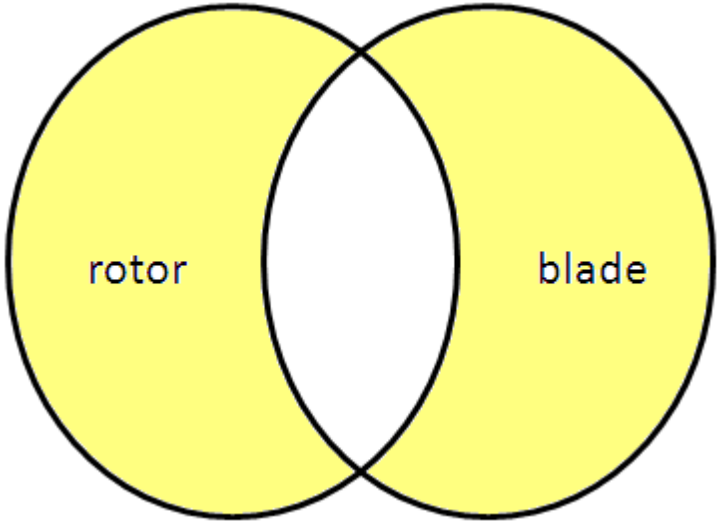
Boolean Operator 4/5

NOT



rotor NOT blade

Boolean Operator 5/5



(rotor OR blade) NOT (rotor AND blade)

Default operator for each field

Title	AND
Abstract	AND
Full text	AND
Publication number	OR
Application number	OR
Priority number	OR
Publication date	OR
Applicant	AND
Inventor	AND
CPC	AND
IPC	AND

Proximity Searches

Find words that are within a specific distance away

Proximity (Smart Search & Advanced Search)

- prox/distance<n
- prox/unit=sentence
- prox/unit=paragraph
- prox/ordered

- Eg. rotor **prox/distance<5** blade

Smart Search: Searching only in bib dat
Advanced Search: full text or txt

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Related links

Result list

Select all | Compact | Export (CSV | XLS) | Download covers (0) | Print

Approximately **14,777** results found in the Worldwide database for:
rotor prox/distance<5 blade in the title or abstract
Only the first **500** results are displayed.

1

Results are sorted by date of upload in database

1. TURBINES WITH INTEGRATED COMPRESSORS AND POWER GENERATORS

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
LEES PAUL [US]	CAITIN INC [US]		F03D11/02 F03D9/00	US2013022477 (A1) 2013-01-24	2011-07-18

2. Control of a wind turbine, rotor blade and wind turbine

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
DIXON KRISTIAN ROBERT [US] DUELL SIEGMUND [DE] (+3)			F03D1/06 F03D7/02	US2013022464 (A1) 2013-01-24	2011-07-19

3. PITCH DRIVE DEVICE CAPABLE OF EMERGENCY OPERATION FOR A WIND OR WATER POWER PLANT

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
ROESMANN TOBIAS [DE] KAUKE LARS [DE]	MOOG UNNA GMBH [DE]	F03B15/00 F03D7/0224 F05B2260/76	H02P9/04	US2013020804 (A1) 2013-01-24	2010-03-23

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- When will this list expire?

My patents list

Select all | Compact | Export (CSV | XLS) | Remove selected | Download (0) | Print

3 items in my patents list

Sort by: Priority date — Sort order: Descending — Sort

1. TURBINES WITH INTEGRATED COMPRESSORS AND POWER GENERATORS

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
LEES PAUL [US]	CAITIN INC [US]		F03D11/02 F03D9/00	US2013022477 (A1) 2013-01-24	2011-07-18

2. PITCH DRIVE DEVICE CAPABLE OF EMERGENCY OPERATION FOR A WIND OR WATER POWER PLANT

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
ROESMANN TOBIAS [DE] KAUKE LARS [DE]	MOOG UNNA GMBH [DE]	F03B15/00 F03D7/0224 F05B2260/76 (+6)	H02P9/04	US2013[illegible]0804 (A1) 2013-[illegible]24	2010-03-23

3. Vorrichtung zum Überprüfen der Reinigungswirkung einer Reinigungsvorrichtung

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	KRONES AG [DE]	B08B9/46 G01M99/008	B08B9/46 G01M99/00	DE202010017218 (U1) 2010-06-09	2010-06-01

Patent Translate 1/4

Refine search → Results → EP2510807 (A1)

EP2510807 (A1)

1

- Bibliographic data
- Description
- Claims
- Mosaics
- Original document
- Cited documents
- Citing documents
- INPADOC legal status
- INPADOC patent family

Quick help

- What is meant by high quality text as facsimile?
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- What happens if I click on "In my patents list"?
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Bibliographic data: EP2510807 (A1) — 2012-10-17

In my patents list | Previous 1/8 | Next | EP Register | Report data error | Print

Verfahren zur Herstellung von Lebens- und/oder Futtermittelprodukten

Page bookmark EP2510807 (A1) - Verfahren zur Herstellung von Lebens- und/oder Futtermittelprodukten

Inventor(s): ARNING ULRICH [DE]; HOETGER SIEGFRIED [DE] +

Applicant(s): TIERNAHRUNG CREMER GMBH & CO KG DEUTSCHE [DE] +

Classification: - international: ***A23K1/00; A23K3/00; A23L1/00; A23L1/015; A23L3/3454***

- cooperative: **A23K30/00**; **A23K40/10**; **A23L3/28**; **A23L3/3454**; A23V2002/00 → more

Application number: EP20110003222 20110416

Priority number(s): EP20110003222 20110416

Abstract of EP2510807 (A1)

Translate this text into

English

2

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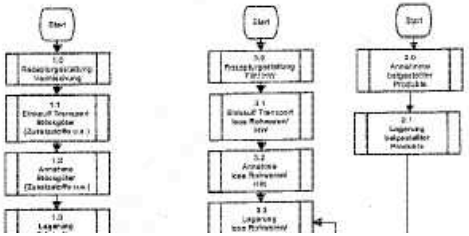
Um ein Verfahren zur Herstellung von Lebens- und/oder Futtermittelprodukten, bei welchem aus einem Gemenge aus im Wesentlichen feinst körnigen Schüttgut und Wasser unter chemischer, mechanischer und/oder thermischer Behandlung Zwischen- und/oder Endprodukte erzeugt werden, bereitzustellen, welches im Rahmen der einschlägigen Verordnungen eine weitgehende Keimfreiheit der Produkte gewährleistet, wird vorgeschlagen, dass in wenigstens einer Verfahrensstufe eine Entkeimung des Gemenges durch Zugabe von Säure durchgeführt wird, in einer darauf folgenden Verfahrensstufe eine zusätzliche Entkeimung des Gemenges durch Erhitzung durchgeführt wird und zur Durchführung einer Luftkühlung vorentkeimte Luft verwendet wird.

Fig. 2



Patent Translate 2/4

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French

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Greek
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Spanish
Swedish
Turkish

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Print
PDF (only translation)
PDF (original and translation)

Please help us to improve the translation quality.

Your opinion on this translation:

- Human translation
- Very good
- Good
- Acceptable
- Rather bad
- Very bad

Your reason for this translation:

ABSTRACT EP2510807

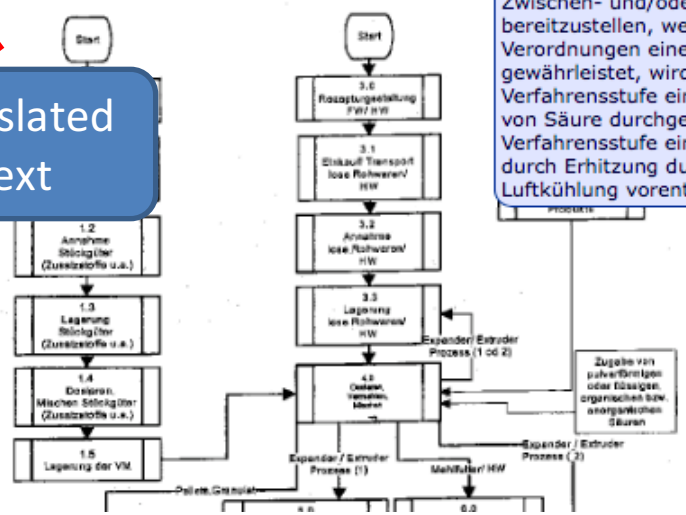
To provide a process for preparing food and / or feed products, are wherein a mixture of essentially produces very fine-grained bulk material and water to chemical, mechanical and / or thermal treatment of intermediate and / or end products, which in the context of relevant regulations ensures a high degree of sterility of the products, it is proposed that in at least one process stage, a sterilization of the mixture is carried out by addition of acid, in a subsequent process step, an additional sterilization of the mixture is carried out by heating and used to perform air cooling vor

Translated text

Um ein Verfahren zur Herstellung von Lebens- und/oder Futtermittelprodukten, bei welchem aus einem Gemenge aus im Wesentlichen feinst körnigen Schüttgut und Wasser unter chemischer, mechanischer und/oder thermischer Behandlung Zwischen- und/oder Endprodukte erzeugt werden, bereitzustellen, welches im Rahmen der einschlägigen Verordnungen eine weitgehende Keimfreiheit der Produkte gewährleistet, wird vorgeschlagen, dass in wenigstens einer Verfahrensstufe eine Entkeimung des Gemenges durch Zugabe von Säure durchgeführt w in einer darauf folgenden Verfahrensstufe eine zusätz e Entkeimung des Gemenges durch Erhitzung durchgeführt rd und zur Durchführung einer Luftkühlung vorentkeimte Luft wendet wird.

Original text (mouse over)

Fig. 2



Patent Translate 3/4

Refine search → Results → US2013345469 (A1)

US2013345469 (A1)

1

- Bibliographic data
- Description
- Claims
- Mosaics
- Original document
- Cited documents
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- INPADOC legal status
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2

Bibliographic data: US2013345469 (A1) — 2013-12-26

In my patents list | Global Dossier | Report data error | Print

FEED ADDITIVE FOR ANIMALS OF P-THYMOL, SALT DERIVATIVE OR ESTER DERIVATIVE THEREOF

Page bookmark US2013345469 (A1) - FEED ADDITIVE FOR ANIMALS OF P-THYMOL, SALT DERIVATIVE OR ESTER DERIVATIVE THEREOF

Inventor(s): PENG XIANFENG [CN]; TAN ZONGHUA [CN] +

Applicant(s): CHANGZHOU INSIGHTER BIOTECHNOLOGY CO LTD [CN] +

ernational: *A23K1/16*

operative: A23K20/10; A23K20/105; A23K20/111; A23K20/147; A23K50/10; A23K50/30; A23K50/60; A23K50/75

201314016217 20130902

011148452 20110302 ; WO2011CN71533 20110304

S9018256 (B2) EP2682004 (A1) → EP2682004 (A4) CN102132764 (A) CN102132764 (B) → more

345469 (A1)

3

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east one of p-thymol, a salt derivative and an ester derivative thereof for animals.

Select language
Albanian
Bulgarian
Chinese
Croatian
Czech
Danish
Dutch
Estonian
Finnish
French
German
Greek
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Turkish

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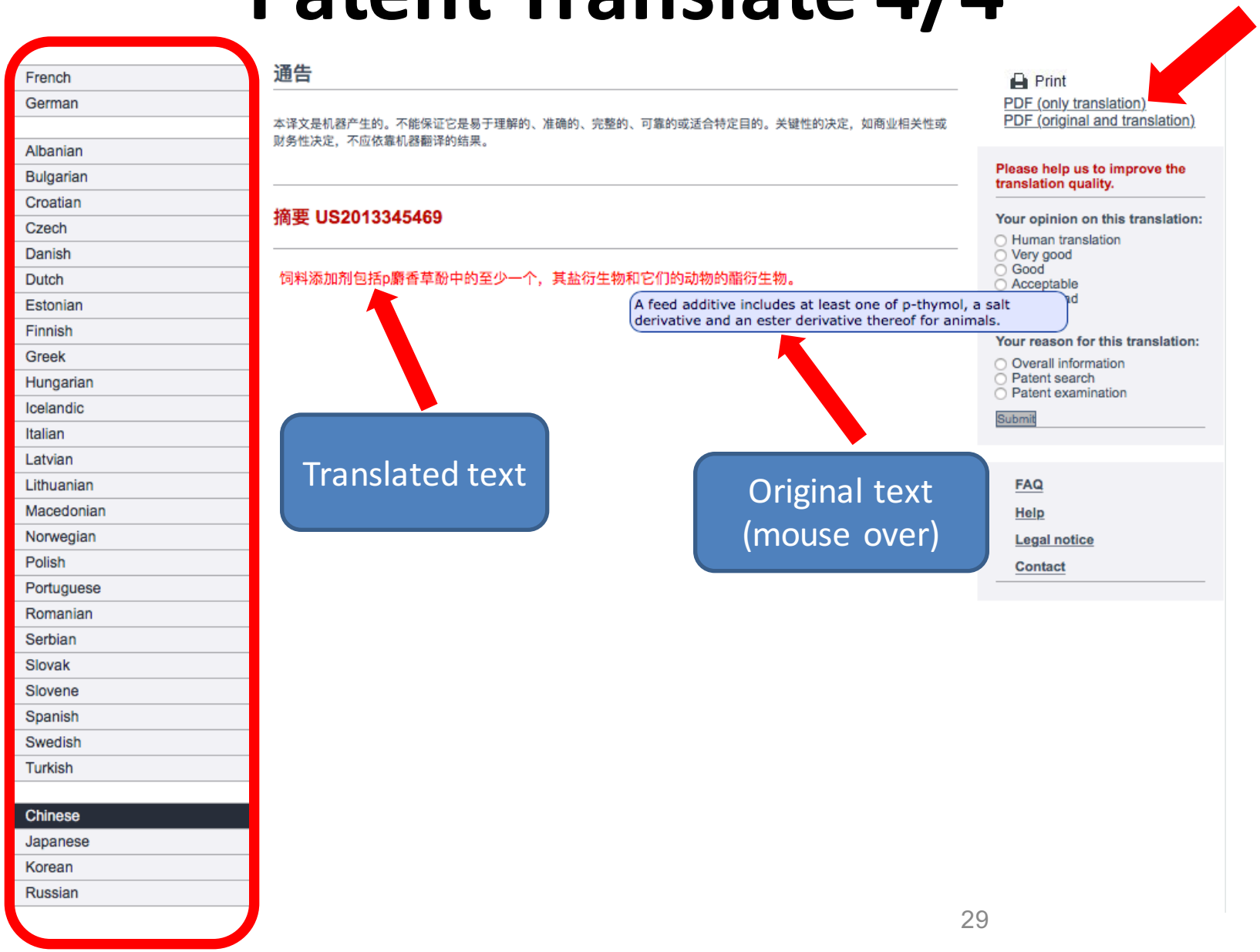
Patent Translate 4/4



Navigation

Refine search → Results → US645576 (A)

US645576 (A)
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- Cited documents
- Citing documents
- INPADOC legal status
- INPADOC patent family

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Bibliographic data US645576 (A) – 1900-03-20

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SYSTEM OF TRANSMISSION OF ELECTRICAL ENERGY.

Page bookmark	US645576 (A) - SYSTEM OF TRANSMISSION OF ELECTRICAL ENERGY.
Inventor(s):	TESLA NIKOLA [US] +
Applicant(s):	TESLA NIKOLA [US] +
Classification:	- international:
	- cooperative: H04L25/4902; H04W16/14
Application number:	US 18970650343D 18970902
Priority number(s):	US18970650343 18970902 ; GBT189724421 18971021 ; CHT15542 18971026
Also published as:	US649621 (A) GB189724421 (A) CH15542 (A)

Abstract not available for US645576 (A)

Print bib dat

Navigation

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- Description
- Claims
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- INPADOC legal status
- INPADOC patent family

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Citing documents: US645576 (A) — 1900-03-20

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Approximately **109** document citing **US645576 (A)** 1

Sort by Priority date | Sort order Descending | Sort

1. Passive power generation system

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
GRIMES SEAN N [US]	GRIMES SEAN N [US] ENERGY MAGNIFICATION CORP [US]	H01F27/42 H01F38/00	H01F27/42 H01F38/00	US8610311 (B1) 2013-12-17	2009-01-27

2. LOW AC RESISTANCE CONDUCTOR DESIGNS

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
KURS ANDRE B [US] KARALIS ARISTEIDIS [US] (+5)	WITRICITY CORP [US]	B60L11/182 B60L11/1829 B60L11/1833 (+21)	H01F38/14 H01F5/00 H02J7/02	US2013300353 (A1) 2013-11-14 US8716903 (B2) 2014-05-06	2008-09-27

3. EQUIPMENT FOR CONDENSING ELECTRIC CURRENT AND EQUIPMENT FOR TRANSMITTING ELECTRIC CURRENT THROUGH AIR

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
BARBOSA NILSON [BR] DE MORAES LEAL CLERISTON [BR]	EVOLUCOES EN LTDA [BR]	H01F38/14 H02J17/00	H02J17/00	WO2013104039 (A1) 2013-07-18	2013-01-11

Claims

US8361976 (B2)
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- How can I search in the text of the claims?
- How can I view chemical structures in the full text?
- What is Global dossier?

Claims: US8361976 (B2) — 2013-01-29

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Therapeutic alteration of transplantable tissues through in situ or ex vivo exposure to RNA interference molecules

Claims of US8361976 (B2)

Translate this text into Chinese patenttranslate powered by EPO and Google

Original claims | **Claims tree**

1. What is claimed: 1. A method for preparing pancreatic islets for transplantation, comprising,
delivering to the pancreas via portal vein perfusion, before and during procurement of the pancreas, an RNAi agent capable of downmodulating a trait of suboptimal allograft transplantation, wherein the trait of suboptimal allograft transplantation is immune-mediated rejection or ischemia-induced apoptosis,
wherein delivery to the pancreas effectively delivers the RNAi agent to cells of the pancreatic islets within the pancreas;
such that the pancreatic islets are more suitable for transplantation as compared to untreated pancreatic islets.

2. The method of claim 1, wherein the RNAi agent is capable of downmodulating an oncogene that is involved in an apoptotic signaling pathway or that initiates apoptosis, such that the pancreatic islets are more suitable for transplantation as compared to untreated pancreatic islets.

3. The method of claim 1, wherein the RNAi agent is capable of modulating a tumor suppressor gene that is involved in an apoptotic signaling pathway or that initiates apoptosis, such that the pancreatic islets are more suitable for transplantation as compared to untreated pancreatic islets.

4. The method of claim 1, wherein the RNAi agent is further delivered to the pancreatic islets in culture following procurement.

5. The method of claim 1, wherein the pancreas contains an intact vascular system.

6. The method of claim 1, wherein the RNAi agent is administered in a preservation solution that additionally comprises either saline or an

Corresponding Documents

Refine search → Results → US645576 (A) → Citations page 1 → US2011156494 (A1) → Family

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Family list: US2011156494 (A1) — 2011-06-30

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3 application(s) for: **US2011156494 (A1)**

Sort by Priority date | Sort order Descending | Sort | show citations

1. Wireless Energy Transfer System

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US]	H02J17/00	H02J17/00	US2011156494 (A1) 2011-06-30	2008-08-25

2. WIRELESS ENERGY TRANSFER SYSTEM

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US]	H02J17/00	H01F27/42	EP2329505 (A1) 2011-06-08	2008-08-25

3. WIRELESS ENERGY TRANSFER SYSTEM

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US] MASHINSKY ALEX [US]	H02J17/00	H01F27/42	WO2010024895 (A1) 2010-03-04	2008-08-25

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Family list: US2011156494 (A1) — 2011-06-30

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3 application(s) for: **US2011156494 (A1)**

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1. Wireless Energy Transfer System

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US]	H02J17/00	H02J17/00	US2011156494 (A1) 2011-06-30	2008-08-25

2. WIRELESS ENERGY TRANSFER SYSTEM

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US]	H02J17/00	H01F27/42	EP2329505 (A1) 2011-06-08	2008-08-25

3. WIRELESS ENERGY TRANSFER SYSTEM

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MASHINSKY ALEX [US]	GOVERNING DYNAMICS LLC [US] MASHINSKY ALEX [US]	H02J17/00	H01F27/42	WO2010024895 (A1) 2010-03-04	2008-08-25

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Wireless Energy Transfer System

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US 20110156494A1

(19) United States
Patent Application Publication
Mashinsky
(43) Pub. Date: Jun. 30, 2011

(54) WIRELESS ENERGY TRANSFER SYSTEM

(75) Inventor: Alex Mashinsky, Memphis, TN (US)

(73) Assignee: Governing Dynamics LLC, New York, NY (US)

(21) Appl. No.: 13/060,831

(22) PCT Filed: Aug. 25, 2009

(86) PCT No.: PCT/US09/04858

§ 371 (c)(1), (2), (4) Date: Feb. 25, 2011

Related U.S. Application Data

(60) Provisional application No. 61/091,460, filed on Aug. 25, 2008.

Publication Classification

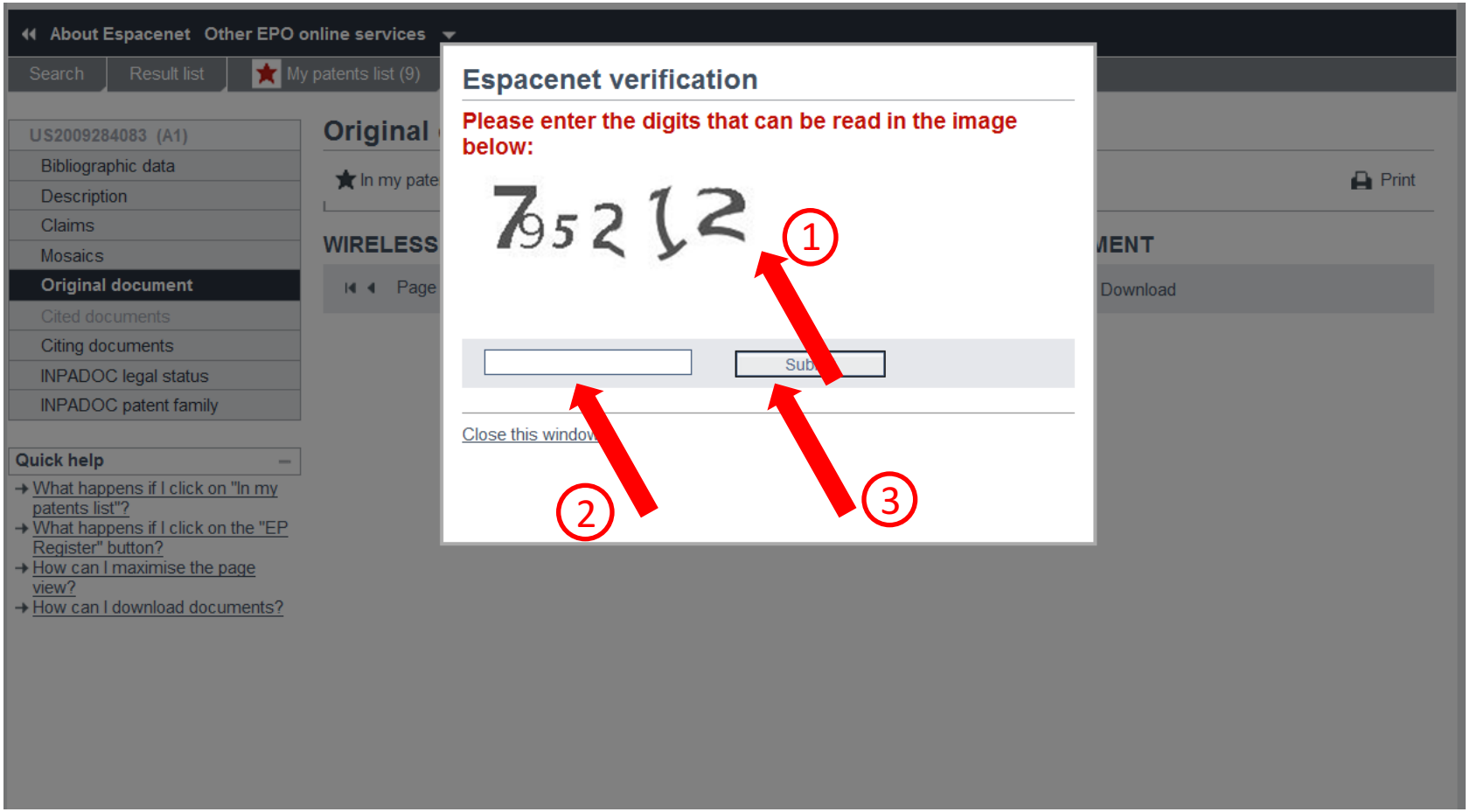
(51) Int. Cl. H02J 17/00 (2006.01)

(52) U.S. Cl. 307/104

(57) ABSTRACT

A system for transmitting power without wires or with no more than one connection, wherein communication is provided between an unlimited number of electronic devices, or to connect these devices to an unlimited number networks that are located externally to the system to thereby enable high speed voice and data communications over a single resonant connection At least one transmitter and one receiver are utilized, which may have the same or different configurations, such that an induced oscillating electric current, which occurs at the resonant frequency of a transmitter, induces a standing wave The standing wave is tuned and "tapped" by a receiver having a coil or set of plates and receivers that are tuned to oscillate at the same frequency or one of its harmonics and, thus, absorb an electrical current and/or signals at the receiver

Navigation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Exercise 1

The Malaysian patent examiner has cited two novelty-killing documents to your application. The publication number of the documents are **WO 2013/191663 A1** and **US 9,382,170 B1**.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/03519

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H01L 23/29 (2007.01)
USPC - 257/789
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC - 257/789

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 257/789, 257/787, 257/734 term-limited, see search terms below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (USPT, PGPB, EPAB, JPAB); google.com
Search Terms Used: anisotropic conducting membrane, substrate, cavities, sensing device, ?anisotropic conducting material? thermal membrane, dissipation, "clamshell" protecting

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 6,775,153 B2 (Hashimoto) 10 August 2004 (10.08.2004) entire document, especially Abstract, col. 1, ln. 20-28; col. 6, ln. 33-56; col. 8, ln. 7-9; col. 9, ln. 11-22; FIG. 1	50-53 ——— 1-49

Find the prior art document.

Exercise 2

Invention: A knee brace with energy storage means.

Abstract

The invention relates to a knee brace having an energy storage means. Conventional knee brace can be wear to enhance the healing of human leg, however, it does not improve the experience by making the movement easier. This invention solved this problem by providing a knee brace comprising an upper brace; a lower brace; said upper brace and lover brace are connected by at least a pivoting means; said pivoting means having at least an energy storage means.

Brainstorm what would be the possible keyword, include any operator/truncation as deemed fit.

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essential keywords

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SEARCH TERMS

polymethyl × + Synonym

metacrylate × + Synonym

nanofiber × + Synonym

crosslinker × + Synonym

genipin × + Synonym

+ Search term or CPC

SEARCH FIELDS

Before priority YYYY-MM-DD

+ Assignee

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About 9 results ordered by relevance grouped by classification

A61L27/227?

Other specific proteins or polypeptides not covered by A61L27/222, A61L27/225 or A61L27/24

Cell-guiding fibroinductive and angiogenic scaffolds for periodontal tissue ...

Application WO2011030185A1 • Bülend INANÇ • Inanc Buelend

Priority 2009-09-12 • Filed 2009-09-12 • Published 2011-03-17

While the **nanofiber** diameters can vary between 50-500 nm depending on the production parameters when synthetic polymers are used and in a similar range of .... presence of the intermediate binding agent (protein, glycoprotein, glycosaminoglycan, polysaccharide) and the type of the binding (covalent **crosslinking** or otherwise). .... (A) Dispersing of **poly(methyl methacrylate)** (PMMA) (8) particles and (9) fiber meshes in a (10) casting mold; (B) Casting the (1 1) fibrinogen ..... Following rehydration step with graded ethanol series, the scaffolds were kept in a 0.625% **genipin** solution in PBS for 12 hours.

Cell-guiding fibroinductive and angiogenic scaffolds for periodontal tissue ...

Application US20120171257A1 • Bülend Inanç • Inanc Buelend

Priority 2009-09-12 • Filed 2009-09-12 • Published 2012-07-05

While the **nanofiber** diameters can vary between 50-500 nm depending on the production parameters when synthetic polymers are used and in a .... of the intermediate binding agent (protein, glycoprotein, glycosaminoglycan, polysaccharide) and the type of the binding (covalent **crosslinking** or otherwise). .... (A) Dispersing of **poly(methyl methacrylate)** (PMMA) (8) particles and (9) fiber meshes in a (10) casting mold; (B) Casting the (11) fibrinogen solution into the mold. ..... Following rehydration step with graded ethanol series, the scaffolds were kept in a 0.625% **genipin** solution in PBS for 12 hours.

Search within classification A61L27/227 (2 results)

C09D5/4419?

Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes for electrophoretic applications with polymers obtained otherwise than by polymerisation reactions only involving carbon-to-carbon unsaturated bonds

Spatially selective deposition of polysaccharide layer onto patterned template ...

Cell-guiding fibroinductive and angiogenic scaffolds for periodontal tissue engineering

Abstract

Disclosed are methods for producing cell-guiding fibroinductive and angiogenic tissue engineering scaffolds composed of biodegradable and biocompatible natural biopolymers, synthetic polymers and/or their combination, incorporating growth and differentiation factors, growth hormone and chemoattractants, with interconnected pores and channels-containing microarchitecture inducing the regenerative cell migration, adhesion, proliferation and differentiation from the healthy tissues surrounding the periodontal defects, thereby facilitating the functional periodontal tissue regeneration. The methods for the application of the cell-guiding fibroinductive and angiogenic scaffolds in the surgical treatment of periodontal tissue defects resulted from destructive periodontal diseases are also provided.

US20120171257A1

US Application

Download PDF Find Prior Art

Legal status : Pending

Application number: US13392888

Inventor: Bülend Inanç , Levent Inanç

Original Assignee: Inanc Buelend , Inanc Levent

Priority date: 2009-09-12

Filing date: 2009-09-12

Publication date: 2012-07-05

Info: Patent citations (1), Also published as (1), Similar documents

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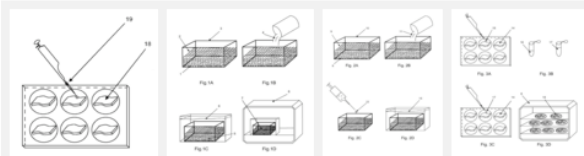

Classifications

A61L27/54 Biologically active materials, e.g. therapeutic substances

View 7 more classifications

Description

TECHNICAL FIELD

[0001] The present invention relates to the producing of the cell-guiding fibroinductive and angiogenic scaffolds for use in tissue engineering for periodontal regeneration, joint ligaments regeneration, muscle tendon regeneration, periosteum regeneration, and the methods for their modification and use thereof.

Claims (22)

1. A cell-guiding scaffold composed of biodegradable and biocompatible natural biopolymers, synthetic polymers and/or their combination, incorporating growth

Search US 6,465,205 B2

"exact phrases”

<u>Example: “stem cells”</u>

Patent Citation
Cited By
Also Published
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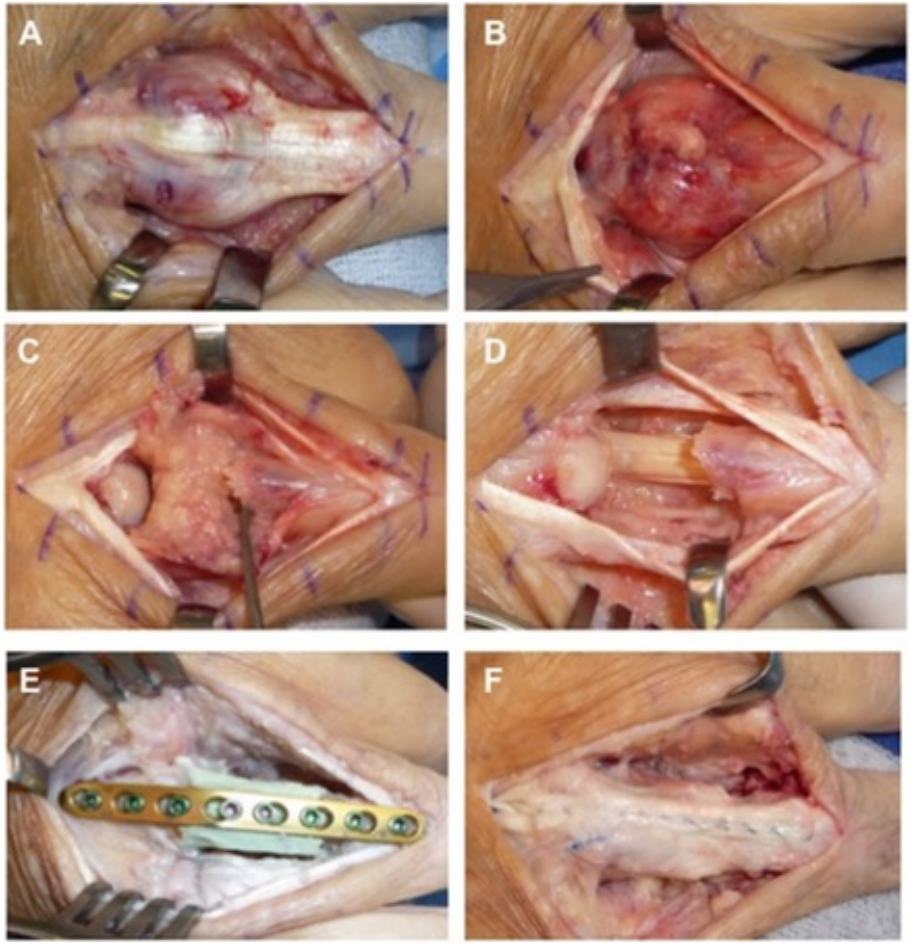
Patent Citations (21)

Publication number	Priority date	Publication date	Assignee	Title
US4579585A	1982-01-15	1986-04-01	Sandoz Ltd.	N'-[4-(1-Fluoromethyl-ethyl)phenyl]-urea derivatives
US4584278A	1982-03-19	1986-04-22	University Of Rochester	Antigen derived from human ovarian tumors and radioimmunoassay using the antigen
US4507391A	1982-04-02	1985-03-26	Sloan-Kettering Institute For Cancer Research	Method for detecting the presence of GD3 ganglioside
US4479932A	1982-05-18	1984-10-30	University Of Florida	Brain-specific drug delivery
US4613500A	1983-03-09	1986-09-23	Teijin Limited	Powdery pharmaceutical composition for nasal administration
US4746508A	1983-06-06	1988-05-24	Beth Israel Hospital Assn.	Drug administration
EP0145209A2	1983-11-08	1985-06-19	FIDIA S.p.A.	A kit or device and method for administering gangliosides and derivatives thereof of inhalation and pharmaceutical compositions suitable therefor
US4639437A	1983-11-08	1987-01-27	Fidia, S.P.A.	Kit or device and method for administering gangliosides and derivatives thereof by inhalation and pharmaceutical compositions suitable therefor
US4675287A	1984-07-26	1987-06-23	Scripps Clinic And Research Foundation	Monoclonal antibody directed to human ganglioside GD2
WO1986004233A1	1985-01-16	1986-07-31	Riker Laboratories Inc	Drug-containing chlorofluorocarbon aerosol propellent formulations
US4666829A	1985-05-15	1987-05-19	University Of California	Polypeptide marker for Alzheimer's disease and its use for diagnosis
US4902505A	1986-07-30	1990-02-20	Alkermes	Chimeric peptides for neuropeptide delivery through the blood-brain barrier
US4801575A	1986-07-30	1989-01-31	The Regents Of	Chimeric peptides for neuropeptide delivery through the

Exercise:
Disinfectant composition comprising an affective amount of silver, water and aloe vera juice or gel.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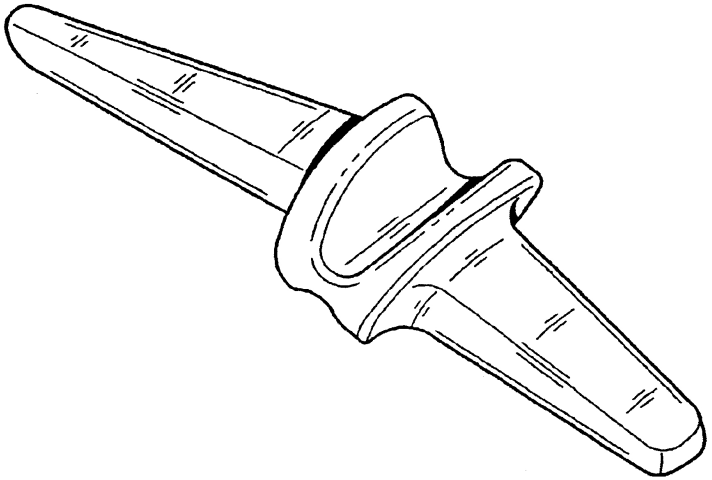

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