

RISIS training session on patents

Session : 8-9 Octobre 2015 at ESIEE UPEM IFRIS


Introduction on patents and Espacenet



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What is a patent?

(19)  (11) **EP 1 535 121 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent: **25.08.2010 Bulletin 2010/34** (51) Int Cl.: **G05B 19/02 (2006.01) G05B 19/00 (2006.01)**

(21) Application number: **03728962.6** (86) International application number: **PCT/US2003/015459**

(22) Date of filing: **16.05.2003** (87) International publication number: **WO 2003/100553 (04.12.2003 Gazette 2003/49)**

(54) **SYSTEM AND METHOD FOR AUTOMATICALLY SETTING UP A UNIVERSAL REMOTE CONTROL**
SYSTEM UND VERFAHREN ZUM AUTOMATISCHEN EINRICHTEN EINER UNIVERSELLEN FERNBEDIENUNG
SYSTEME ET PROCEDE PERMETTANT DE REGLER AUTOMATIQUEMENT UNE TELECOMMANDE UNIVERSELLE

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

(30) Priority: **20.05.2002 US 151635**

(43) Date of publication of application: **01.06.2005 Bulletin 2005/22**

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(56) References cited:
EP-A- 1 198 069 EP-A2- 0 780 990
WO-A-00/17738 WO-A-01/39150
WO-A-01/69567 US-A- 5 410 326
US-A- 5 646 608 US-A- 5 742 730
US-A- 6 104 334

EP 1 535 121 B1

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

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- A legal title which grants the holder
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 - in countries for which the patent was granted
 - for a limited time (up to 20 years).
- In return for this protection, the holder has to disclose the invention to the public.
- Source : adaptation of EPO training material.

The role of the patent system

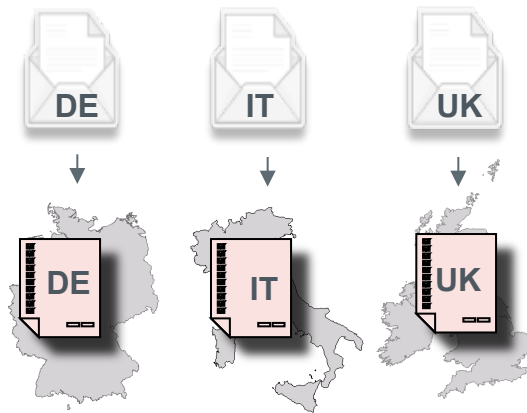
Pros (*and cons*)

- To encourage technological innovation / *through greed?*
- To promote competition and investment / *through monopoly ?*
- To provide information on the latest technical developments / despite / *through minimal disclosure, legal wording and patent jargon ?*
- To promote technology transfer / *through patent thickets and trolls ?*

How to obtain patent protection in Europe 1/2

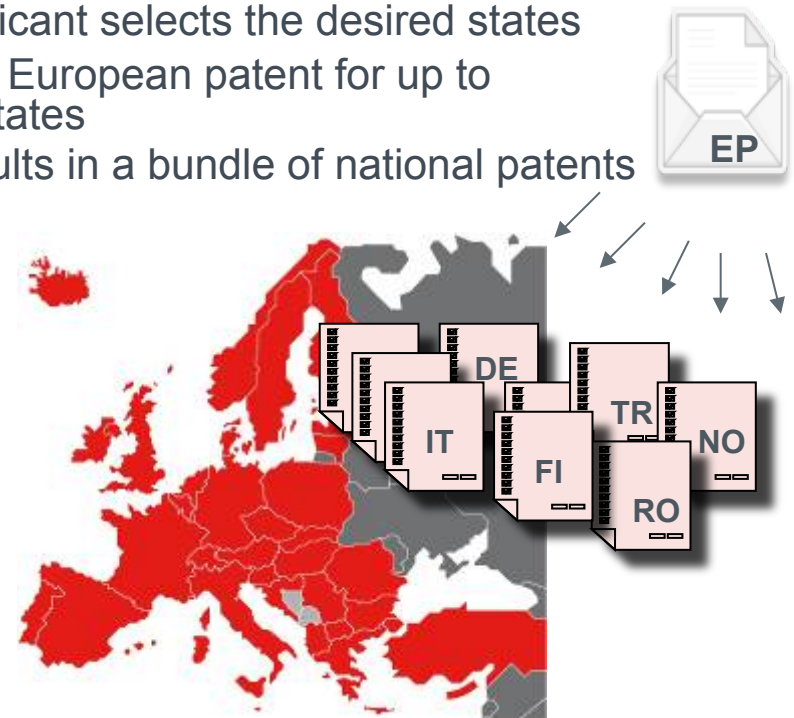
Option 1: The national route

- Separate procedures for each state
- Procedures differ according to national law



Option 2 / The regional route: European Patent Convention

- One application filed at one office for up to 40 states
- One procedure
- Applicant selects the desired states
- One European patent for up to 40 states
- Results in a bundle of national patents



How to obtain patent protection in Europe 2/2

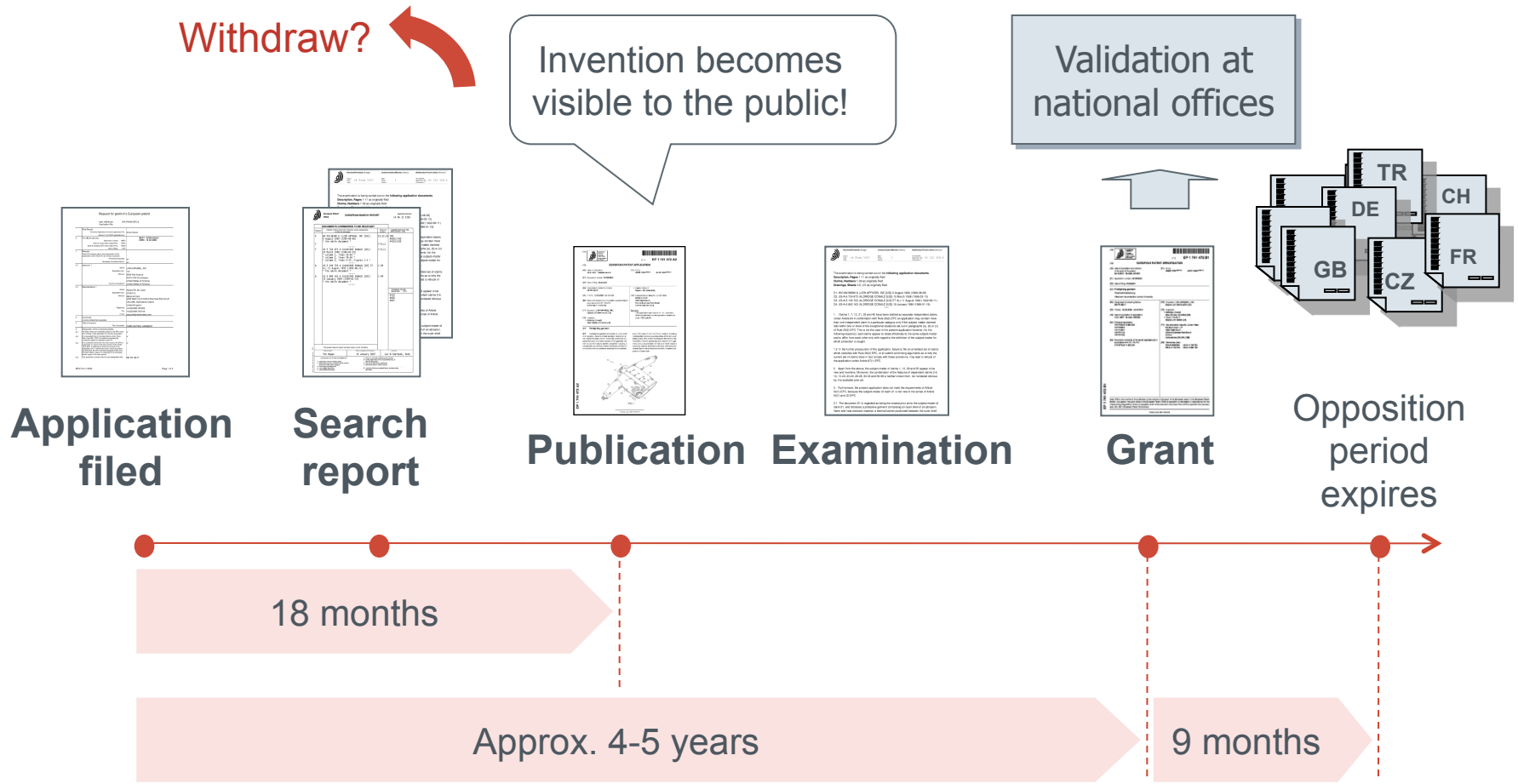
Option 3 / The international route: Patent Cooperation Treaty (PCT)

- One single application for up to 148 countries*
- Harmonisation of formal standards (language, patent agent, fees)
- Search report and opinion on patentability
- After 30-31 months, decision by applicant on which countries to proceed in.



*December 2013

The grant procedure before the EPO





What do patent documents look like?

Date of publication

Date of filing

Applicant

Abstract

 <p>Europäisches Patentamt European Patent Office Office européen des brevets</p>		 <p>(11) EP 1 520 497 A2</p>
<p>(12) EUROPEAN PATENT APPLICATION</p>		
<p>(43) Date of publication: 06.04.2005 Bulletin 2005/14</p>		<p>(51) Int. Cl.: A47G 19/22, C02F 1/00</p>
<p>(21) Application number: 04256130.8</p>		
<p>(22) Date of filing: 04.10.2004</p>		
<p>(84) Designated Contracting States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR Designated Extension States: AL HR LT LV MK</p>		<p>(72) Inventor: Scott, Michael James Ile of Man IM9 5PH (GB)</p>
		<p>(74) Representative: Samuels, Adrian James Frank B. Dehn & Co., 179 Queen Victoria Street London EC4V 4EL (GB)</p>
<p>(30) Priority: 03.10.2003 GB 0323237 27.02.2004 GB 0404293</p>		
<p>(71) Applicant: STRIX LIMITED Ronaldsday, Isle of Man IM9 2RG (GB) Designated Contracting States: DE FR IT</p>		<p>Remarks: A request for correction of the drawings has been filed pursuant to Rule 88 EPC. A decision on the request will be taken during the proceedings before the Examining Division (Guidelines for Examination in the EPO, A.V. 3).</p>
<p>(54) Water Storage Apparatus</p>		
<p>(57) A water treatment and storage vessel has a reservoir 50 for untreated water and filter means 51 in fluid communication with the reservoir 50. A main vessel portion 2 is provided for receiving and storing treated water which comprises a Pellet-effect device 25 for removing heat from treated water therein, thereby cooling the water.</p>		

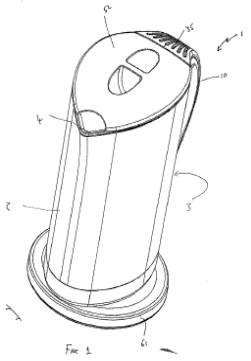


Fig. 1

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Application number
Technical class
Inventor

<p>8001) The present invention relates to the filtering and purification of fluids, particularly water, in domestic situations.</p> <p>8002) Although untreated water is often strictly regarded as fit for drinking, there are many possible reasons of contamination. Contaminant organisms such as the parasitic amoebae and health adaptation measures from the presence of these organisms have prompted the development of water treatment systems to protect the general public. Such systems can reduce the presence of certain contaminant levels resulting in disease, such as cholera, typhoid and meningitis.</p> <p>8003) Traditionally, water treatment is carried out using a fine-jug filter. The normal method of using a fine-jug filter is to pour water from a tap into the jug, which is then held over a sink or other receptacle to allow the water to filter through the filter. The water is then poured into a glass or other receptacle, which is then held over a sink or other receptacle to allow the water to filter through the filter. The water is then poured into a glass or other receptacle, which is then held over a sink or other receptacle to allow the water to filter through the filter.</p> <p>8004) It is an object of the present invention to provide a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8005) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8006) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8007) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8008) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8009) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p> <p>8010) The present invention provides a water treatment and storage vessel which is capable of removing heat from treated water therein, thereby cooling the water.</p>	<p>EP 1 520 497 A2</p> <p>1</p> <p>2</p> <p>3</p>
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Claims

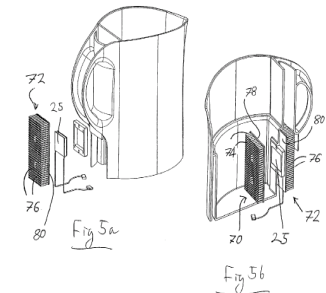
1. A portable water treatment and storage vessel comprising:

a reservoir for untreated water;
filter means in fluid communication with said reservoir; and
a main vessel portion for receiving and storing treated water;

wherein said main vessel portion comprises electro-thermal cooling means for removing heat from the treated water therein, thereby cooling the water.

Claim(s)

Description



Drawing(s)

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Title: plastic and bicycle

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Publication number: WO2008014520

Application number: DE19971031696

Priority number: WO1995US15925

Enter one or more dates or date ranges

Publication date: yyyyymmdd

Enter name of one or more persons/organisations

Applicant(s): Institut Pasteur

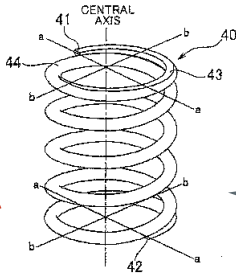
Inventor(s): Smith

Enter one or more classification symbols

CPC

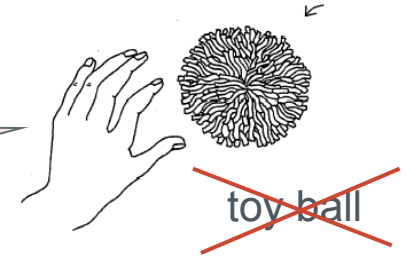
Easy but a basic knowledge of patent jargon is needed!

Beware of "naïve" keyword searches!



~~spring~~

"energy-storing means"

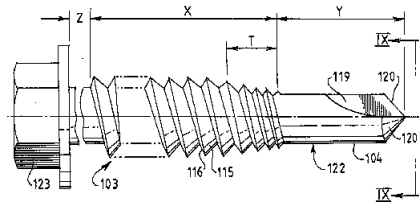


"spherical object with floppy filaments"

Patent jargon is used to broaden scope of the patent.

Sometimes the applicant simply doesn't want his application to be found.

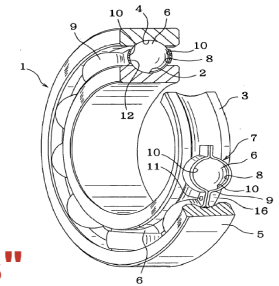
~~nail, screw, rivet~~



"fastening means"

~~ball bearing~~

"plurality of balls"



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- Possibility to analyze the patents using the IPC codes. 'classification search' on the Espacenet site using the following concordance table « technologies – IPC code ». The corresponding pdf document (in the Risis Patent training Dropbox folder) can be searched with lexical queries.

Concordance IPC / champs technologiques – Classification WIPO 1

Field of Technology	International Patent Classification (IPC) Symbols
I - Electrical engineering	
Electrical machinery, apparatus, energy	F21#, H01B, H01C, H01F, H01G, H01H, H01J, H01K, H01M, H01R, H01T, H02#, H05B, H05C, H05F, H99Z
Audio-visual technology	G09F, G09G, G11B, H04N-003, H04N-005, H04N-009, H04N-013, H04N-015, H04N-017, H04R, H04S, H05K
Telecommunications	G08C, H01P, H01Q, H04B, H04H, H04J, H04K, H04M, H04N-001, H04N-007, H04N-011, H04Q
Digital communication	H04L
Basic communication processes	H03#
Computer technology	(G06# not G06Q), G11C, G10L
IT methods for management	G06Q
Semiconductors	H01L
II - Instruments	
Optics	G02#, G03B, G03C, G03D, G03F, G03G, G03H, H01S
Measurement	G01B, G01C, G01D, G01F, G01G, G01H, G01J, G01K, G01L, G01M, (G01N not G01N-033), G01P, G01R, G01S; G01V, G01W, G04#, G12B, G99Z
Analysis of biological materials	G01N-033
Control	G05B, G05D, G05F, G07#, G08B, G08G, G09B, G09C, G09D
Medical technology	A61B, A61C, A61D, A61F, A61G, A61H, A61J, A61L, A61M, A61N, H05G

Concordance IPC / champs technologiques – Classification WIPO 2

III - Chemistry	
Organic fine chemistry	(C07B, C07C, C07D, C07F, C07H, C07J, C40B) not A61K, A61K-008, A61Q
Biotechnology	(C07G, C07K, C12M, C12N, C12P, C12Q, C12R, C12S) not A61K
Pharmaceuticals	A61K not A61K-008
Macromolecular chemistry, polymers	C08B, C08C, C08F, C08G, C08H, C08K, C08L
Food chemistry	A01H, A21D, A23B, A23C, A23D, A23F, A23G, A23J, A23K, A23L, C12C, C12F, C12G, C12H, C12J, C13D, C13F, C13J, C13K
Basic materials chemistry	A01N, A01P, C05#, C06#, C09B, C09C, C09F, C09G, C09H, C09K, C09D, C09J, C10B, C10C, C10F, C10G, C10H, C10J, C10K, C10L, C10M, C10N, C11B, C11C, C11D, C99Z
Materials, metallurgy	C01#, C03C, C04#, C21#, C22#, B22#
Surface technology, coating	B05C, B05D, B32#, C23#, C25#, C30#
Micro-structural and nano-technology	B81#, B82#
Chemical engineering	B01B, B01D-000#, B01D-01##, B01D-02##, B01D-03##, B01D-041, B01D-043, B01D-057, B01D-059, B01D-06##, B01D-07##, B01F, B01J, B01L, B02C, B03#, B04#, B05B, B06B, B07#, B08#, D06B, D06C, D06L, F25J, F26#, C14C, H05H
Environmental technology	A62D, B01D-045, B01D-046, B01D-047, B01D-049, B01D-050, B01D-051, B01D-052, B01D-053, B09#, B65F, C02#, F01N, F23G, F23J, G01T, E01F-008, A62C

Concordance IPC / champs technologiques – Classification WIPO 3

IV - Mechanical engineering

Handling	B25J, B65B, B65C, B65D, B65G, B65H, B66#, B67#
Machine tools	B21#, B23#, B24#, B26D, B26F, B27#, B30#, B25B, B25C, B25D, B25F, B25G, B25H, B26B
Engines, pumps, turbines	F01B, F01C, F01D, F01K, F01L, F01M, F01P, F02#, F03#, F04#, F23R, G21#, F99Z
Textile and paper machines	A41H, A43D, A46D, C14B, D01#, D02#, D03#, D04B, D04C, D04G, D04H, D05#, D06G, D06H, D06J, D06M, D06P, D06Q, D99Z, B31#, D21#, B41#
Other special machines	A01B, A01C, A01D, A01F, A01G, A01J, A01K, A01L, A01M, A21B, A21C, A22#, A23N, A23P, B02B, C12L, C13C, C13G, C13H, B28#, B29#, C03B, C08J, B99Z, F41#, F42#
Thermal processes and apparatus	F22#, F23B, F23C, F23D, F23H, F23K, F23L, F23M, F23N, F23Q, F24#, F25B, F25C, F27#, F28#
Mechanical elements	F15#, F16#, F17#, G05G
Transport	B60#, B61#, B62#, B63B, B63C, B63G, B63H, B63J, B64#

V - Other fields

Furniture, games	A47#, A63#
Other consumer goods	A24#, A41B, A41C, A41D, A41F, A41G, A42#, A43B, A43C, A44#, A45#, A46B, A62B, B42#, B43#, D04D, D07#, G10B, G10C, G10D, G10F, G10G, G10H, G10K, B44#, B68#, D06F, D06N, F25D, A99Z
Civil engineering	E02#, E01B, E01C, E01D, E01F-001, E01F-003, E01F-005, E01F-007, E01F-009, E01F-01#, E01H, E03#, E04#, E05#, E06#, E21#, E99Z