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Nigel Clarke

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Krakow May 2014

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There are known knowns. These are things we know that we know.

There are known unknowns. That is to say, there are things that we know we don't know.

But there are also unknown unknowns. There are things we don't know we don't know.

Donald Rumsfeld 21st US Secretary for Defense 2001-2006

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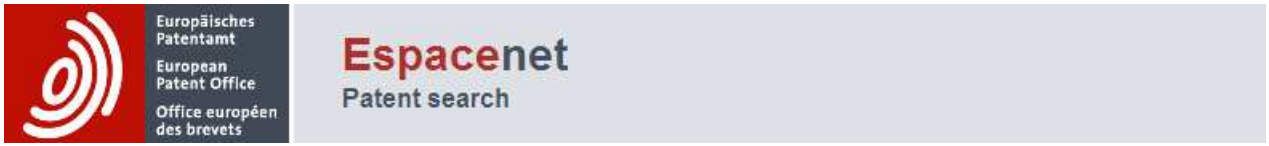

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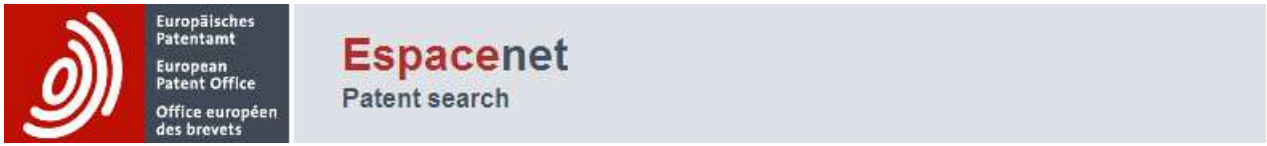

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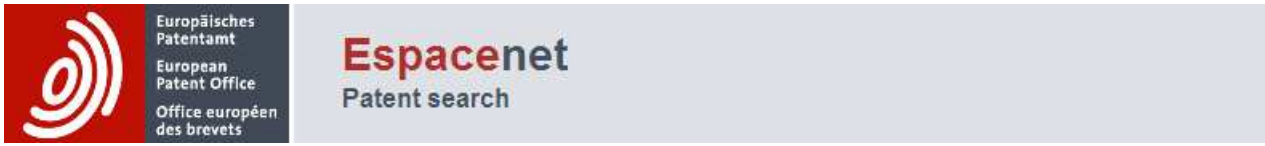

Bibliographic data: GB2503766 (A) — 2014-01-08

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Page bookmark	GB2503766 (A) - Video coding and decoding comprising intensity dependent quantisation dependent on a IDQ profile

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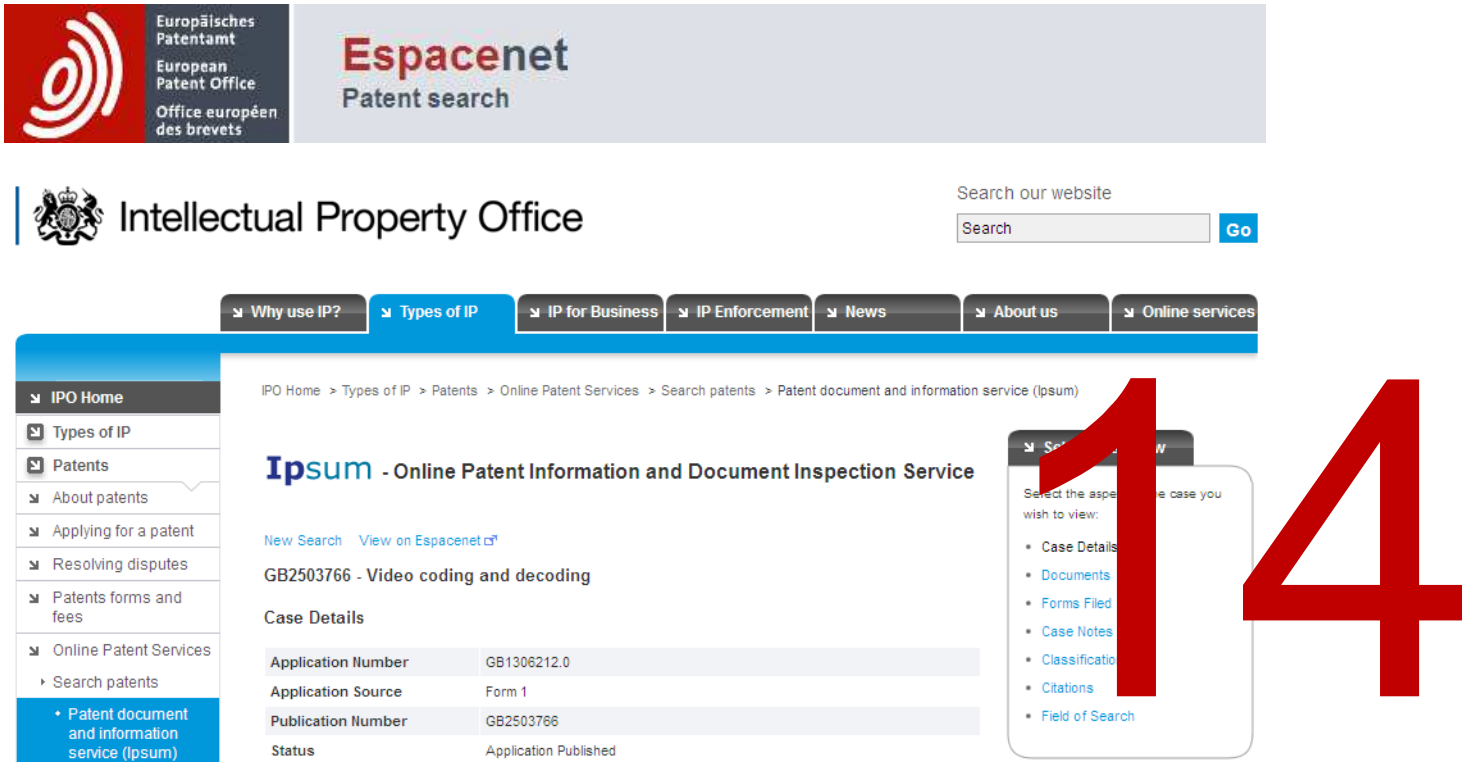

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Legal status of EP2125877 (A1) 2009-12-02; EP2125877 (A4) 2010-02-03; EP2125877 (B1) 2012-12-26:

EP	F	**08700451 A** (Patent of invention)
	Event date :	2009/12/02
	Event code :	17P
	Code Expl.:	+ REQUEST FOR EXAMINATION FILED
	EFFECTIVE DATE :	20090709
	Event date :	2009/12/02
	Event code :	AK
	Code Expl.:	+ DESIGNATED CONTRACTING STATES:
	KD OF CORRESP. PAT. :	A1
	DESIGNATED COUNTR. :	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
	Event date :	2010/02/03
	Event code :	A4
	Code Expl.:	+ SUPPLEMENTARY SEARCH REPORT
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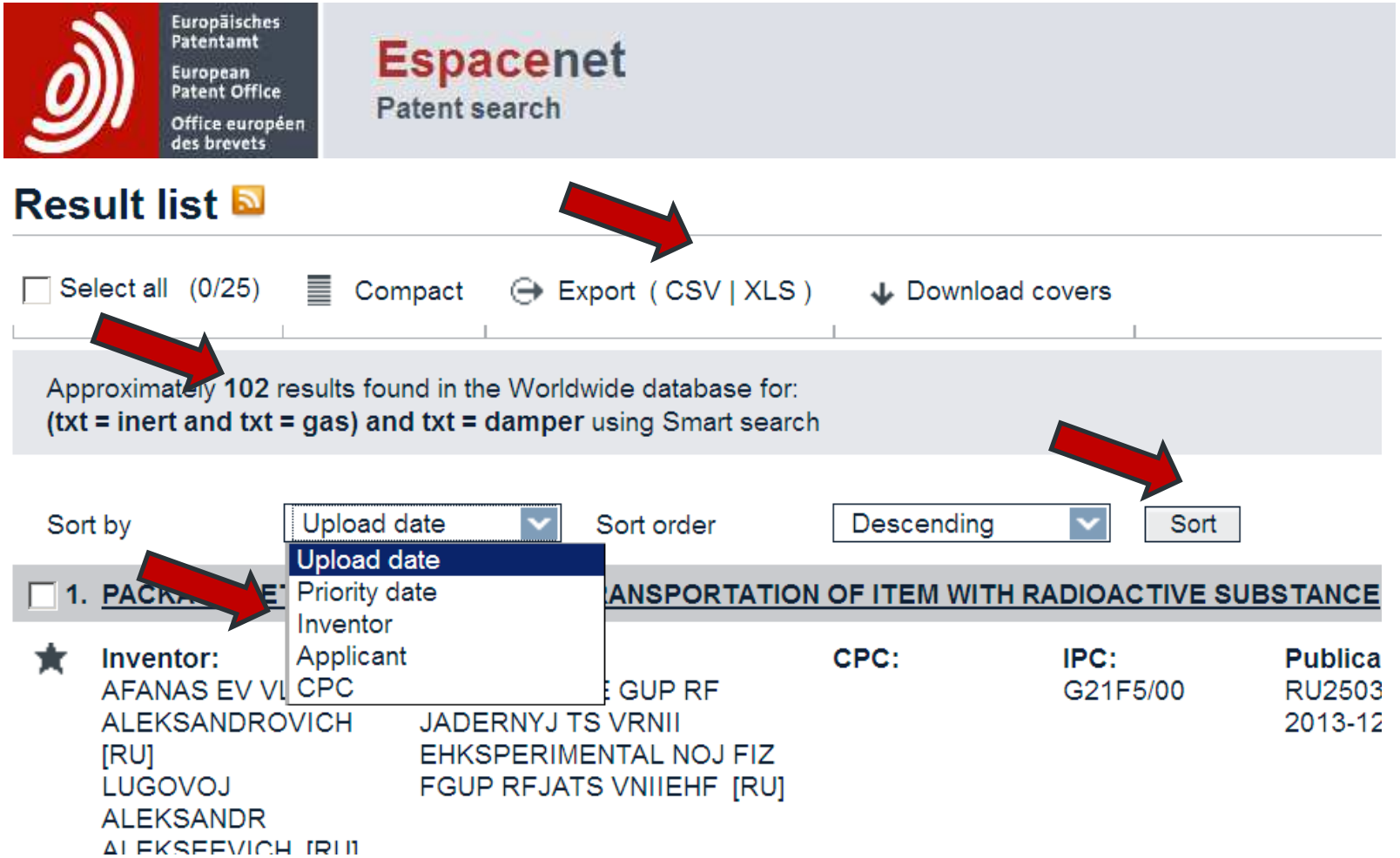

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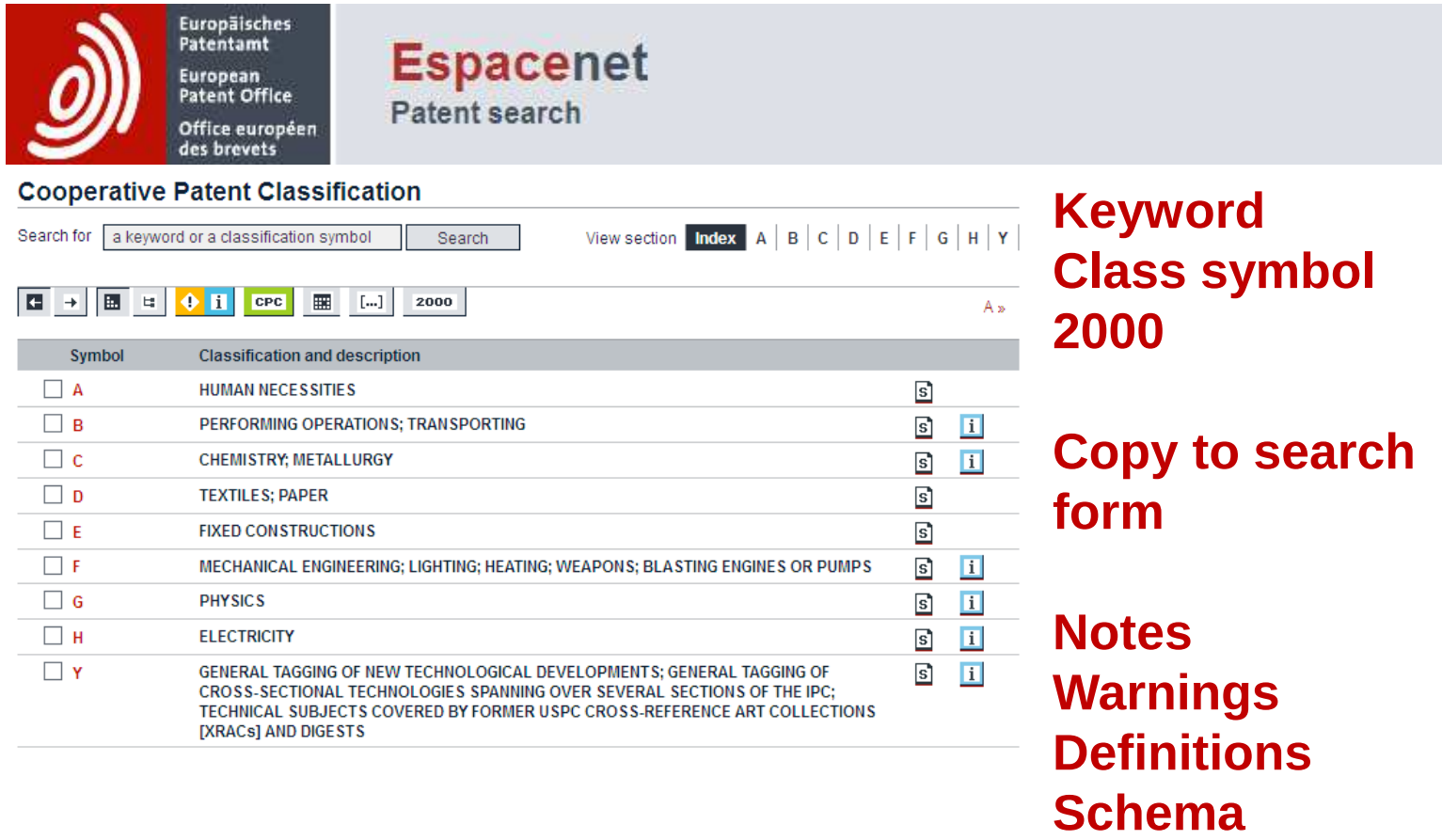
Title	Publication number	Publication date	Inventor(s)
PACKAGE SET FOR STORAGE AND TRANSPORTATION OF ITEM WITH RADIOACTIVE SUBSTANCE	RU2503072 (C1)	2013-12-27	AFANAS EV VLADIMIR ALEKSANDROVICH [RU] LUGOVOJ ALEKSANDR ALEKSEEVICH [RU] SIMAKOV ANDREJ VLADIMIROVICH [RU] KURGUZOV GRIGORIJ MIKHAJLOVICH [RU] LINJAEV VLADIMIR IVANOVICH [RU]
Large connecting rod damper	CN203297470 (U)	2013-11-20	LI MINGFU
Gas bag damper	CN203297459 (U)	2013-11-20	LI MINGFU
Diaphragm type pulse damper	CN202419030 (U)	2012-09-05	XIAOLI HE GAOQUAN XU
COMBINED AUTOMATIC-CONTROL ENERGY-SAVING SAFE MACHINE CABINET	WO2012100388 (A1)	2012-08-02	FU XIAOLE [CN]
Gas mixer-dispenser	MD4171 (B1); MD4171 (C1)	2012-06-30	COVALIOV VICTOR [MD] COVALIOVA OLGA [MD] UNGURYANU DUMITRU [MD] DUCA GHEORGHE [MD]

Search by CPC



Keyword
Class symbol
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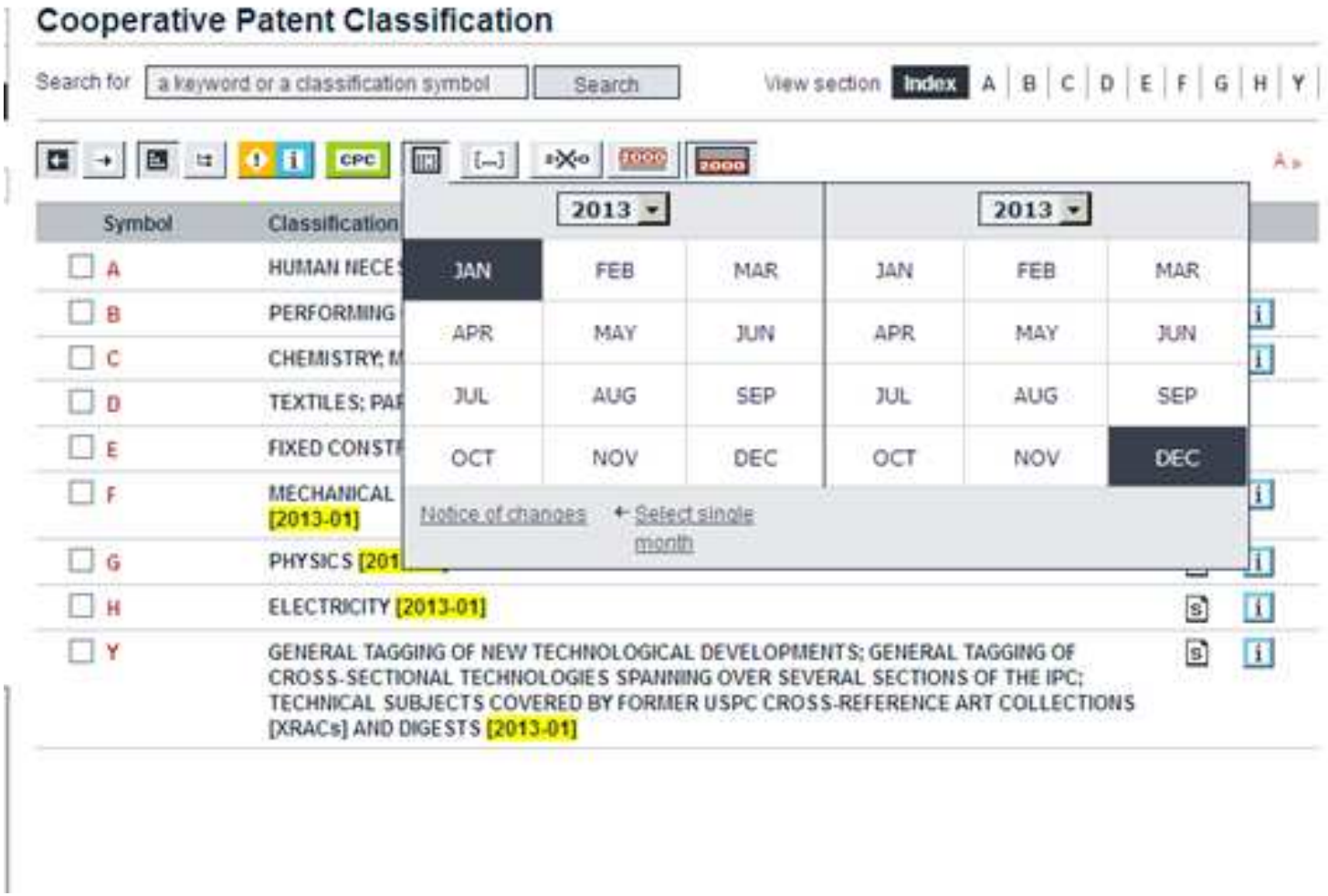

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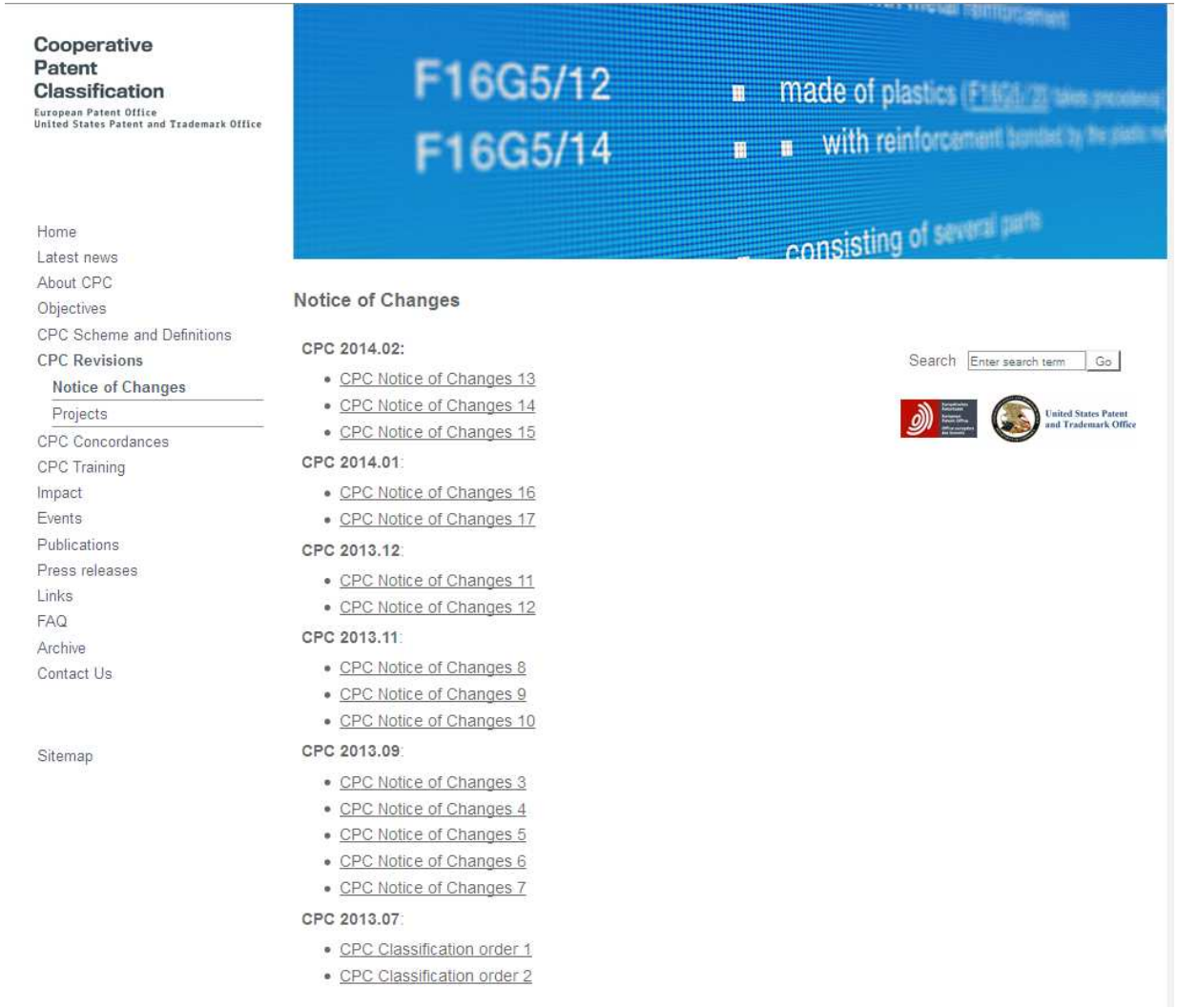

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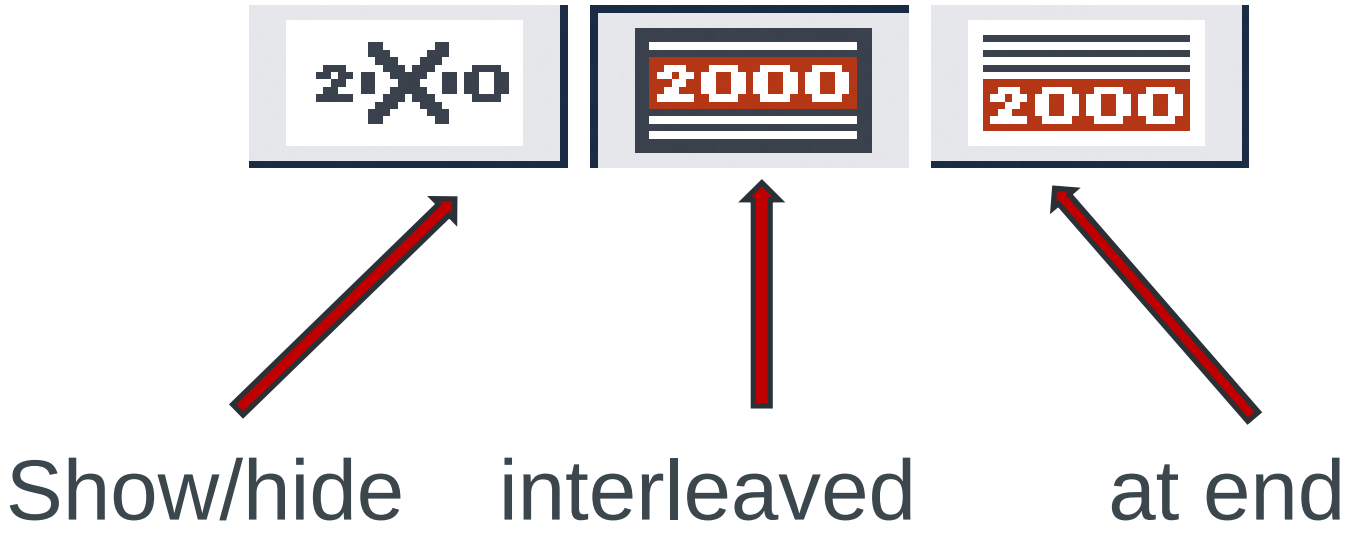

2000 series displayed

H01J 2201/00	Electrodes common to discharge tubes [2013-01]
H01J 2203/00	Electron or ion optical arrangements common to discharge tubes or lamps [2013-01]
H01J 2209/00	Apparatus and processes for manufacture of discharge tubes [2013-01]
H01J 2211/00	Plasma display panels with alternate current induction of the discharge, e.g. AC-PDPs (...) [2013-01]
H01J 2217/00	Gas-filled discharge tubes (...) [2013-01]
H01J 2223/00	Details of transit-time tubes of the types covered by group H01J 2225/00 [2013-01]
H01J 2225/00	Transit-time tubes, e.g. Klystrons, travelling-wave tubes, magnetrons [2013-01]
H01J 2229/00	Details of cathode ray tubes or electron beam tubes (...) [2013-01]
H01J 2231/00	Cathode ray tubes or electron beam tubes (...) [2013-01]
H01J 2235/00	X-ray tubes [2013-01] D
H01J 2237/00	Discharge tubes exposing object to beam, e.g. for analysis treatment, etching, imaging [2013-01] D i
H01J 2261/00	Gas- or vapour-discharge lamps [2013-01]
H01J 2329/00	Electron emission display panels, e.g. field emission display panels [2013-01]
H01J 2893/00	Discharge tubes and lamps [2013-01]

CPCNO and C-sets displayed

Classification: - international: *A61K31/365; A61K9/20; A61K9/28; A61P37/06*

- cooperative: default A61K31/365; A61K9/2018; A61K9/2077; A61K9/2866

CPCNO A61K31/365; A61K9/20; A61K9/28

Classification: - international: *C08F12/08; C09D5/34*

- cooperative: default C08F12/08; C09D5/34

C-sets C08F12/08, C08F2/44

Definitions

D

Definitions

References relevant to classification in this main group

This subclass/group does not cover:

Image pick-up tubes having with electron ray scanning the image screen with a target comprising semiconductor junctions	H01J31/283
Image pick-up tubes having with electron ray scanning the image screen	H01J31/28

Notes

Notes

This subclass covers only devices for producing, influencing, or using a flow of electrons or ions, e.g. for controlling, indicating, or switching of electric current, counting electric pulses, producing light or other electromagnetic oscillations, such as X-rays, or for separating or analysing radiation or particles, and having a closed or substantially closed casing containing a chosen gas, vapour, or vacuum, upon the pressure and nature of which the characteristics of the device depend. Light sources using a combination (other than covered by group H01J61/96 of this subclass) of discharge and other kinds of light generation are dealt with in H05B35/00 .

In this subclass, groups H01J1/00 to H01J7/00 relate only to:
details of an unspecified kind of discharge tube or lamp, or
details mentioned in a specification as applicable to two or more kinds of tubes or lamps as defined by groups H01J11/00 , H01J13/00 , H01J15/00 , H01J17/00 , H01J21/00 , H01J25/00 , H01J27/00 , H01J31/00 , H01J33/00 , H01J35/00 , Ho1J37/00, H01J40/00 , H01J41/00 , H01J47/00 , H01J49/00 , H01J61/00 , H01J63/00 or H01J65/00 , hereinafter called basic kinds. A detail only described with reference to, or clearly only applicable to, tubes or lamps of a single basic kind is classified in the detail group appropriate to tubes or lamps of that basic kind, e.g. H01J17/04 .

In this subclass, the following term is used with the meaning indicated:

- "lamp" includes tubes emitting ultra-violet or infra-red light.

Attention is drawn to the definition of the expression "spark gaps" given in the Note following the title of subclass H01T.

Apparatus or processes specially adapted for the manufacture of electric discharge tubes, discharge lamps, or parts thereof are classified in group H01J9/00 .

Schema

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CPC **COOPERATIVE PATENT CLASSIFICATION**

H01J **ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS** (spark-gaps H01T ; arc lamps with consumable electrodes H05B ; particle accelerators H05H)

NOTE

This subclass covers only devices for producing, influencing, or using a flow of electrons or ions, e.g. for controlling, indicating, or switching of electric current, counting electric pulses, producing light or other electromagnetic oscillations, such as X-rays, or for separating or analysing radiation or particles, and having a closed or substantially closed casing containing a chosen gas, vapour, or vacuum, upon the pressure and nature of which the characteristics of the device depend. Light sources using a combination (other than covered by group H01J 61/96 of this subclass) of discharge and other kinds of light generation are dealt with in H05B 35/00 .

In this subclass, groups H01J 1/00 to H01J 7/00 relate only to:
details of an unspecified kind of discharge tube or lamp, or

details mentioned in a specification as applicable to two or more kinds of tubes or lamps as defined by groups H01J 11/00 , H01J 13/00 , H01J 15/00 , H01J 17/00 , H01J 21/00 , H01J 25/00 , H01J 27/00 , H01J 31/00 , H01J 33/00 , H01J 35/00 , Ho1J37/00, H01J 40/00 , H01J 41/00 , H01J 47/00 , H01J 49/00 , H01J 61/00 , H01J 63/00 or H01J 65/00 , hereinafter called basic kinds. A detail only described with reference to, or clearly only applicable to, tubes or lamps of a single basic kind is classified in the detail group appropriate to tubes or lamps of that basic kind, e.g. H01J 17/04 .

In this subclass, the following term is used with the meaning indicated:

- "lamp" includes tubes emitting ultra-violet or infra-red light.

Attention is drawn to the definition of the expression "spark gaps" given in the Note following the title of subclass H01T .

Apparatus or processes specially adapted for the manufacture of electric discharge tubes, discharge lamps, or parts thereof are classified in group H01J 9/00 .

H01J 1/00 **Details of electrodes, of magnetic control means, of screens, or of the mounting or spacing thereof, common to two or more basic types of discharge tubes or lamps** (details of electron-optical arrangements or of ion traps H01J 3/00)

H01J 1/02 . Main electrodes
H01J 1/025 .. { Hollow cathodes }
H01J 1/04 .. Liquid electrodes, e.g. liquid cathode
H01J 1/05 ... characterised by material
H01J 1/06 ... Containers for liquid-pool electrodes ; Arrangement or mounting thereof
H01J 1/08 ... Positioning or moving the cathode spot on the surface of a liquid-pool cathode
H01J 1/10 ... Cooling, heating, circulating, filtering, or controlling level of liquid in a liquid-pool electrode

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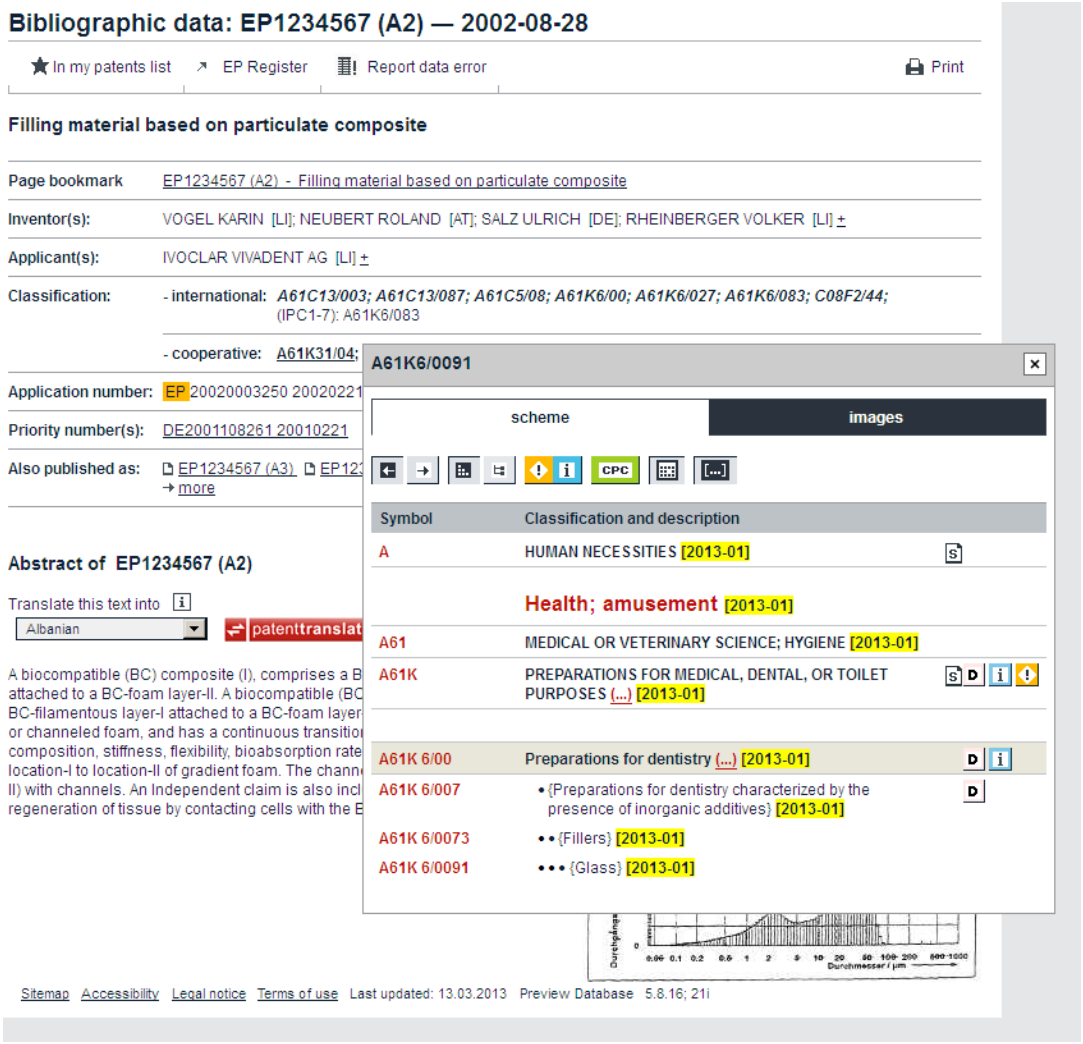

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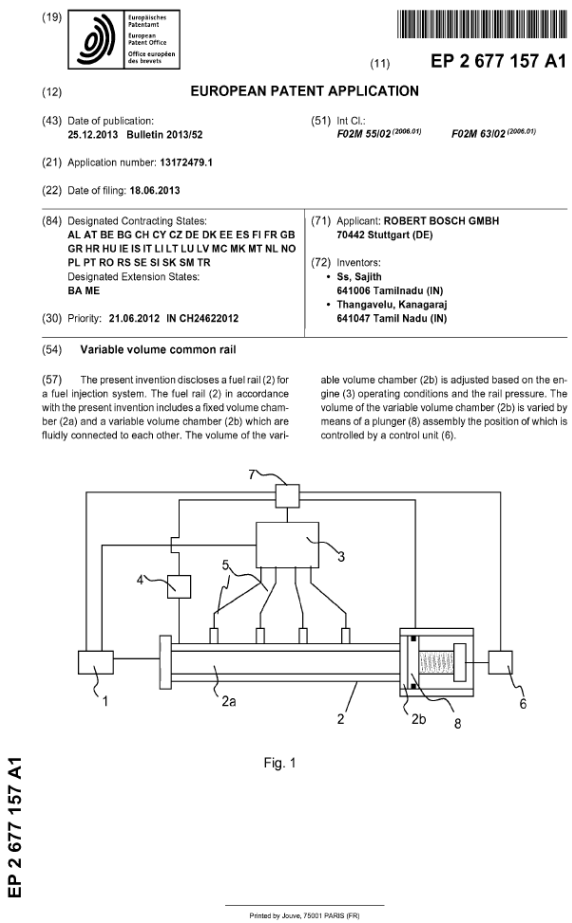

(19) Europäisches Patentamt European Patent Office Office européen des brevets

(11) EP 2 677 157 A1

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
25.12.2013 Bulletin 2013/52

(51) Int Cl.:
F02M 55/02 (2006.01) F02M 63/02 (2006.01)

(21) Application number: 13172479.1

(22) Date of filing: 18.06.2013

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

(30) Priority: 21.06.2012 IN CH24622012

(71) Applicant: ROBERT BOSCH GMBH
70442 Stuttgart (DE)

(72) Inventors:
- Ss, Sajith
641006 Tamilnadu (IN)
- Thangavelu, Kanagaraj
641047 Tamil Nadu (IN)

(54) Variable volume common rail

(57) The present invention discloses a fuel rail (2) for a fuel injection system. The fuel rail (2) in accordance with the present invention includes a fixed volume chamber (2a) and a variable volume chamber (2b) which are fluidly connected to each other. The volume of the variable volume chamber (2b) is adjusted based on the engine (3) operating conditions and the rail pressure. The volume of the variable volume chamber (2b) is varied by means of a plunger (8) assembly the position of which is controlled by a control unit (6).

Fig. 1

EP 2 677 157 A1

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(ia = Bosch and txt = fuel) and txt = injection using Smart search
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1

Results are sorted by date of upload in database

1. Low-Pressure Circuit for a Fuel Injection System

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
BERNHAUPT MARTIN [AT]	BOSCH GMBH ROBERT [DE]	F02M37/0047 F02M41/16	F02M41/16	US2014076281 (A1) 2014-03-20	2012-09-17

2. FUEL INJECTION SYSTEM AND TANK INSTALLATION UNIT FOR A FUEL INJECTION SYSTEM

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
FRANK JOSEF [AT] FUCHS ALEXANDER [AT]	BOSCH GMBH ROBERT [DE]	F02M2037/228 F02M37/0094 F02M37/045 (+6)	F02M37/04 F02M37/10	KR20140018931 (A) 2014-02-13	2011-04-20

3. Pressure Regulator for a Diesel Fuel Injection System

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
ROCHAS PIERRE-MARIE [FR] AMBLARD ALAIN [FR] (+1)	ROCHAS PIERRE-MARIE [FR] AMBLARD ALAIN [FR] (+2)	F02M63/0052 F02M63/007 F02M63/0073 (+3)	F02M63/00	US2014070028 (A1) 2014-03-13	2011-03-25

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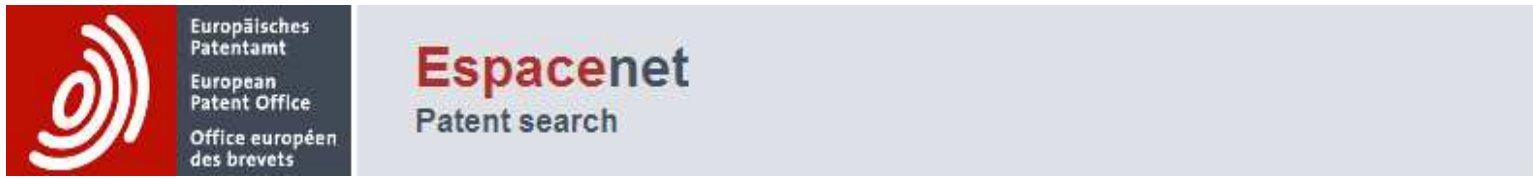

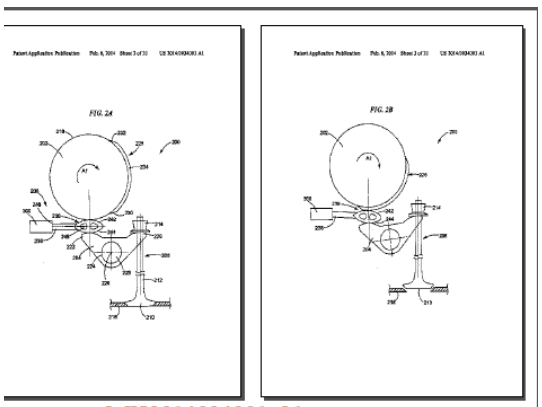
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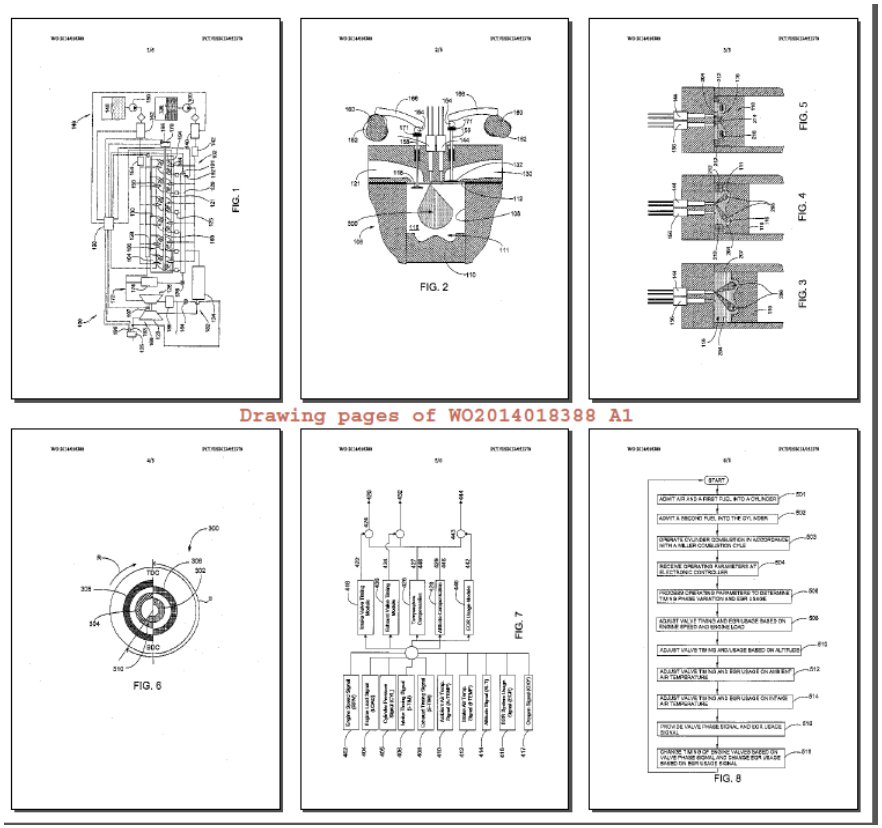
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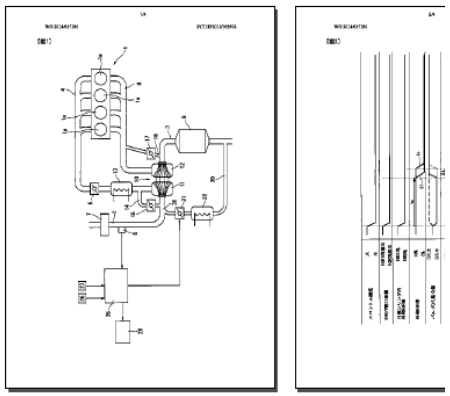
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1. Sequences for detection and identification of methicillin-resistant Staphylococcus aureus (MRSA)

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
HULETSKY ANN [CA] GIROUX RICHARD [CA]	GENEOHM SCIENCES, INC	C12Q1/689 C12Q2600/156	C07H21/04 C12Q1/68	US2007082340 (A1) 2007-04-12 US7838221 (B2) 2010-11-23	2005-10-11

2. Method and kit for detecting methicillin-resistant Staphylococcus aureus

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MATSUNAGA HIRONARI [JP] TSUKUMO KENICHI [JP] (+2)	WAKUNAGA SEIYAKU KK [JP]	C12Q1/689 Y10S435/81 Y10S435/883	C12Q1/68 (IPC1-7):C07H 21/04 C12N15/00 (+2)	US5702895 (A) 1997-12-30	1995-01-19

3. Method for the detection of methicillin resistant Staphylococci

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
HIRAMATSU KEIICHI [JP] ITO TERUYO [JP] (+3)	KAINOS LAB INC [JP]	C12Q1/689	C12N15/09 C12Q1/68 G01N33/569 (+2)	EP0887424 (A2) 1998-12-30 EP0887424 (A4) 2003-05-02 EP0887424 (B1) 2006-01-11	1996-02-23

Non- patent literature

Literature cited in the search report

4. New real-time PCR assay for rapid detection of methicillin-resistant Staphylococcus aureus directly from specimens containing a mixture of staphylococci

Author:	Publication data:	CPC:	Source information:	Publication info:
HULETSKY A ET AL	JOURNAL OF CLINICAL MICROBIOLOGY, 20040501 American Society for Microbiology, US		Vol:42,Nr:5,Page(s):1875 - 1884	XP003003502

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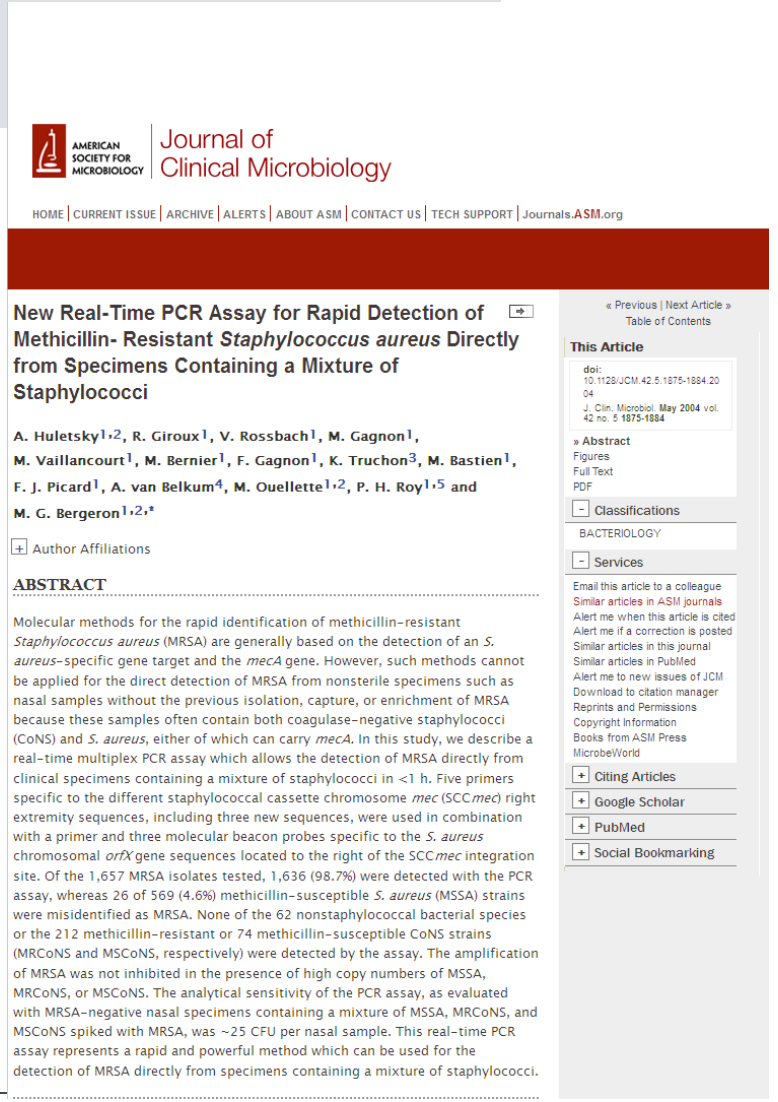

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New Real-Time PCR Assay for Rapid Detection of Methicillin- Resistant *Staphylococcus aureus* Directly from Specimens Containing a Mixture of Staphylococci

A. Huletsky[1,2], R. Giroux[1], V. Rossbach[1], M. Gagnon[1], M. Vaillancourt[1], M. Bernier[1], F. Gagnon[1], K. Truchon[3], M. Bastien[1], F. J. Picard[1], A. van Belkum[4], M. Ouellette[1,2], P. H. Roy[1,5] and M. G. Bergeron[1,2,*]

Author Affiliations

ABSTRACT

Molecular methods for the rapid identification of methicillin-resistant *Staphylococcus aureus* (MRSA) are generally based on the detection of an *S. aureus*-specific gene target and the *mecA* gene. However, such methods cannot be applied for the direct detection of MRSA from nonsterile specimens such as nasal samples without the previous isolation, capture, or enrichment of MRSA because these samples often contain both coagulase-negative staphylococci (CoNS) and *S. aureus*, either of which can carry *mecA*. In this study, we describe a real-time multiplex PCR assay which allows the detection of MRSA directly from clinical specimens containing a mixture of staphylococci in <1 h. Five primers specific to the different staphylococcal cassette chromosome *mec* (SCC*mec*) right extremity sequences, including three new sequences, were used in combination with a primer and three molecular beacon probes specific to the *S. aureus* chromosomal *orfX* gene sequences located to the right of the SCC*mec* integration site. Of the 1,657 MRSA isolates tested, 1,636 (98.7%) were detected with the PCR assay, whereas 26 of 569 (4.6%) methicillin-susceptible *S. aureus* (MSSA) strains were misidentified as MRSA. None of the 62 nonstaphylococcal bacterial species or the 212 methicillin-resistant or 74 methicillin-susceptible CoNS strains (MRCoNS and MSCoNS, respectively) were detected by the assay. The amplification of MRSA was not inhibited in the presence of high copy numbers of MSSA, MRCoNS, or MSCoNS. The analytical sensitivity of the PCR assay, as evaluated with MRSA-negative nasal specimens containing a mixture of MSSA, MRCoNS, and MSCoNS spiked with MRSA, was ~25 CFU per nasal sample. This real-time PCR assay represents a rapid and powerful method which can be used for the detection of MRSA directly from specimens containing a mixture of staphylococci.

This Article
doi: 10.1128/JCM.42.5.1875-1884.2004
J. Clin. Microbiol. May 2004 vol. 42 no. 5 1875-1884
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☐ 1. Use of 5alpha-androstanediol or 5alpha-androstanedione to increase dihydrotestosterone levels in humans					
★	**Inventor:** LLEWELLYN WILLIAM CHARLES [US]	**Applicant:** LLEWELLYN WILLIAM CHARLES	**CPC:** A61K31/568 A61K31/5685	**IPC:** A61K31/568 (IPC1-7):A61K3 /5685 A61K31/568	**Publication info:** US6242436 (B1) 2001-06-05
	Priority date: 2000-06-15				
☐ 2. PHARMACEUTICAL FORMULATIONS AND USES THEREOF IN THE TREATMENT OF FEMALE SEXUAL DYSFUNCTION					
★	**Inventor:** TUITEN JAN JOHAN ADRIAAN [NL]	**Applicant:** EMOTIONAL BRAIN BV [NL] TUITEN JAN JOHAN ADRIAAN [NL]	**CPC:** A61K2300/00 (+8)	**IPC:** A61K31/53 A61K31/568 A61K31/724 (+10)	**Publication info:** WO2005107810 (A2) 2005-11-17 WO2005107810 (A3) 2007-02-15
	Priority date: 2004-05-11				
☐ 3. TREATMENT OF SEXUAL DYSFUNCTION					
★	**Inventor:** NAYLOR ALASDAIR MARK [GB] VAN DER GRAAF PIETER HADEWIJN [GB] (+1)	**Applicant:** PFIZER LTD [GB] NAYLOR ALASDAIR MARK [GB] (+3)	**CPC:** A61K2300/00 (+7)	**IPC:** A61K31/496 A61K31/519 A61K31/635 (+7)	**Publication info:** WO2005007166 (A1) 2005-01-27
	Priority date: 2003-07-16				
☐ 4. METHODS FOR TREATING SEXUAL DYSFUNCTION					
★	**Inventor:** EVANS KENNETH R [CA] SILLS TERRENCE L [CA] (+2)	**Applicant:** KESTREL PHARMACEUTICALS INC [CA] EVANS KENNETH R [CA] (+3)	**CPC:** A61K31/00 A61K31/353 A61K31/357 (+8)	**IPC:** A61K31/00 A61K31/353 A61K31/357 (+18)	**Publication info:** WO2005094827 (A1) 2005-10-13
	Priority date: 2004-03-30				

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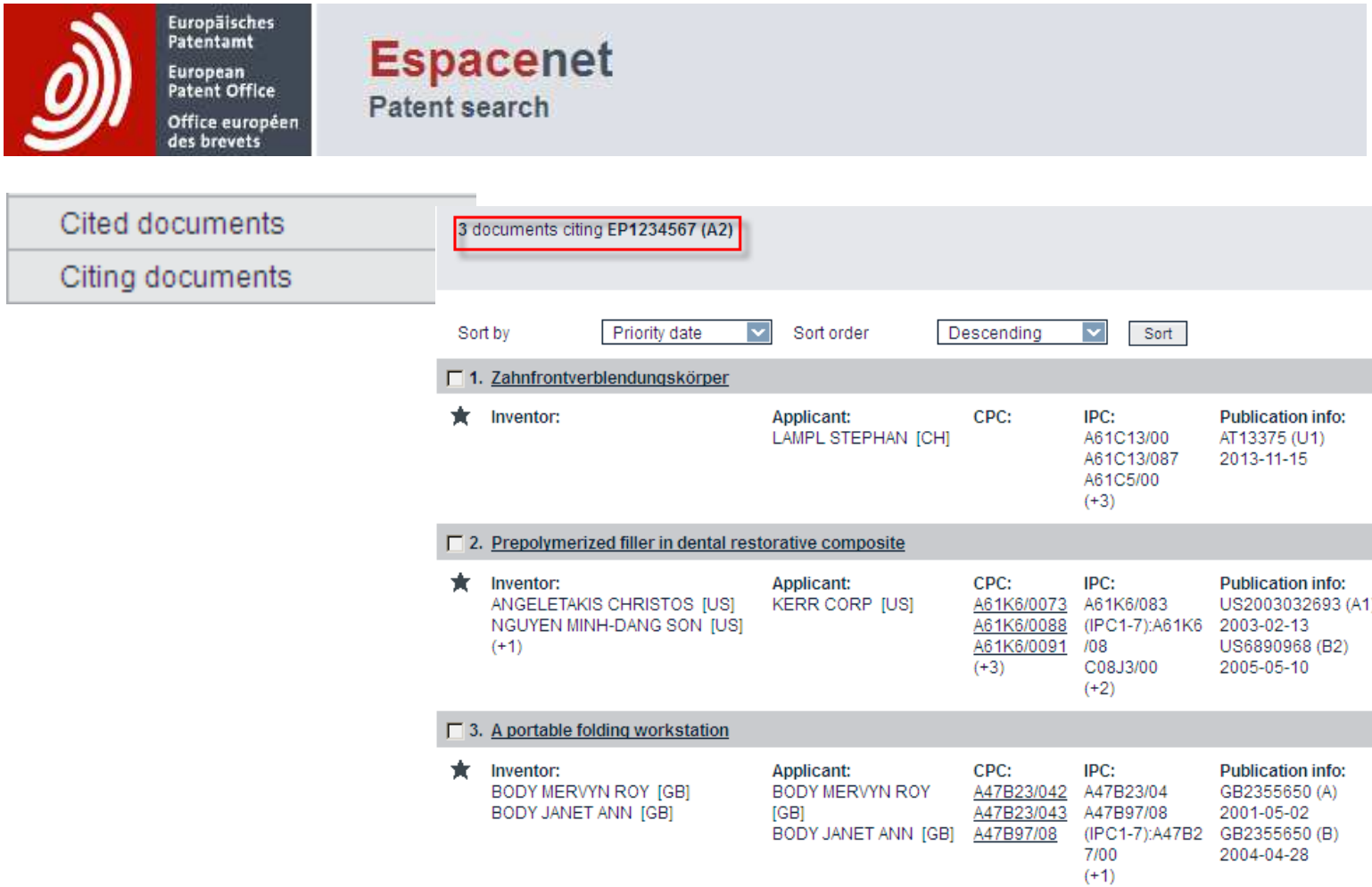

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1. OPTIMIZED PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATION AND SEQUENCING OF VANCOMYCIN RESISTANCE GENES AND VANCOMYCIN RESISTANT ENTEROCOCCI

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] DOLINGER DAVID L [US] (+2)	INTELLIGENT MEDICAL DEVICES INC [US]	C12Q1/689		EP2473630 (A2) 2012-07-11	2009-09-04

2. OPTIMIZED PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATION AND SEQUENCING OF MRSA, MSSA, STAPHYLOCOCCUS MARKERS AND THE ANTIBIOTIC RESISTANCE GENE mecA

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] ZHENG CHUNYANG [CN] (+6)	INTELLIGENT MEDICAL DEVICES INC [US]	C07H21/00 C07H21/04 C12Q1/689		EP2473639 (A2) 2012-07-11	2009-09-04

3. OPTIMIZED PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATION AND SEQUENCING OF VANCOMYCIN RESISTANCE GENES AND VANCOMYCIN RESISTANT ENTEROCOCCI

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] DOLINGER DAVID L [US] (+2)	INTELLIGENT MEDICAL DEVICES INC [US]	C12Q1/689	US7074598 B2 US8114601 B2 US8182996 B2 WO2007023461 A2	US2011200995 (A1) 2011-08-18	2009-09-04

4. OPTIMIZED PPROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATING AND SEQUENCING OF MRSA, MSSA STAPHYLOCOCCUS MARKERS, AND THE ANTIBIOTIC RESISTANCE GENE MEC A

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] ZHENG CHUNYANG [CN] (+6)	REISKE HEINZ R [US] ZHENG CHUNYANG [CN] (+7)	C07H21/00 C07H21/04 C12Q1/689	US7449289 B2 WO02099034 A2 WO9950389 A1	US2011306510 (A1) 2011-12-15	2009-09-04

5. OPTIMIZED PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATION AND SEQUENCING OF VANCOMYCIN RESISTANCE GENES AND VANCOMYCIN RESISTANT ENTEROCOCCI

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] DOLINGER DAVID L [US] (+2)	INTELLIGENT MEDICAL DEVICES INC [US] REISKE HEINZ R [US] (+3)	C12Q1/689	FR2668489 A1 FR2699537 A1 US2003049636 A1 US2004185478 A1 US2005058985 A1 (+15)	WO2011029034 (A2) 2011-03-10 WO2011029034 (A3) 2011-09-29	2009-09-04

6. OPTIMIZED PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATION AND SEQUENCING OF MRSA, MSSA, STAPHYLOCOCCUS MARKERS AND THE ANTIBIOTIC RESISTANCE GENE MEC A

Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
REISKE HEINZ R [US] ZHENG CHUNYANG [CN] (+6)	INTELLIGENT MEDICAL DEVICES INC [US] REISKE HEINZ R [US] (+7)	C07H21/00 C07H21/04 C12Q1/689	DE10117857 A1 EP1770171 A1 WO2005014857 A2 WO2007023461 A2 WO2008129428 A2 (+2)	WO2012047189 (A2) 2012-04-12 WO2012047189 (A3) 2013-10-03	2009-09-04

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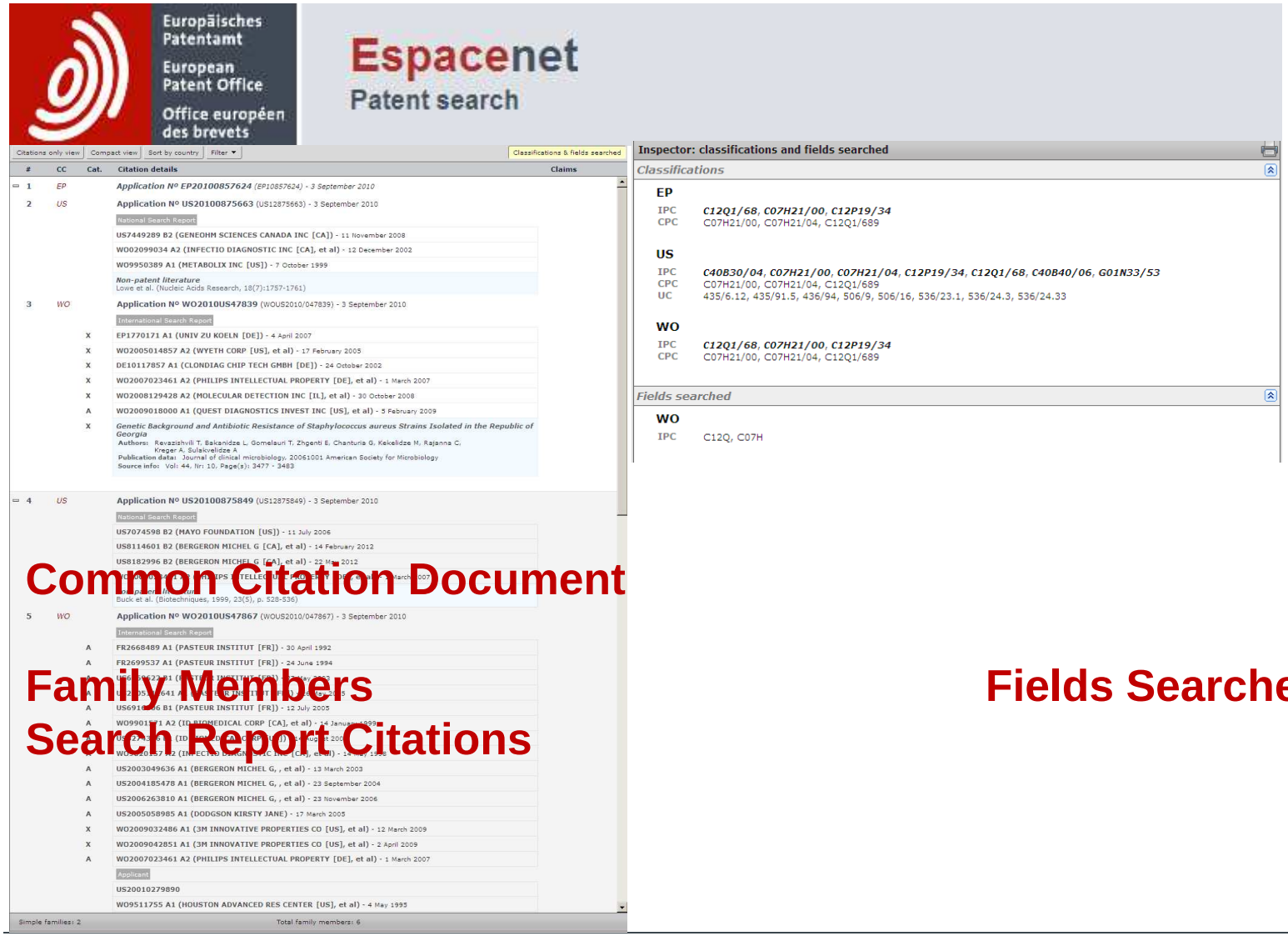

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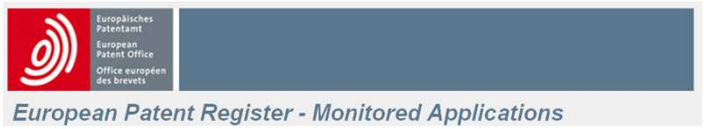

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There are known knowns. These are things we know that we know.

There are known unknowns. That is to say, there are things that we know we don't know.

But there are also unknown unknowns. There are things we don't know we don't know.

Donald Rumsfeld 21st US Secretary for Defense 2001-2006

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