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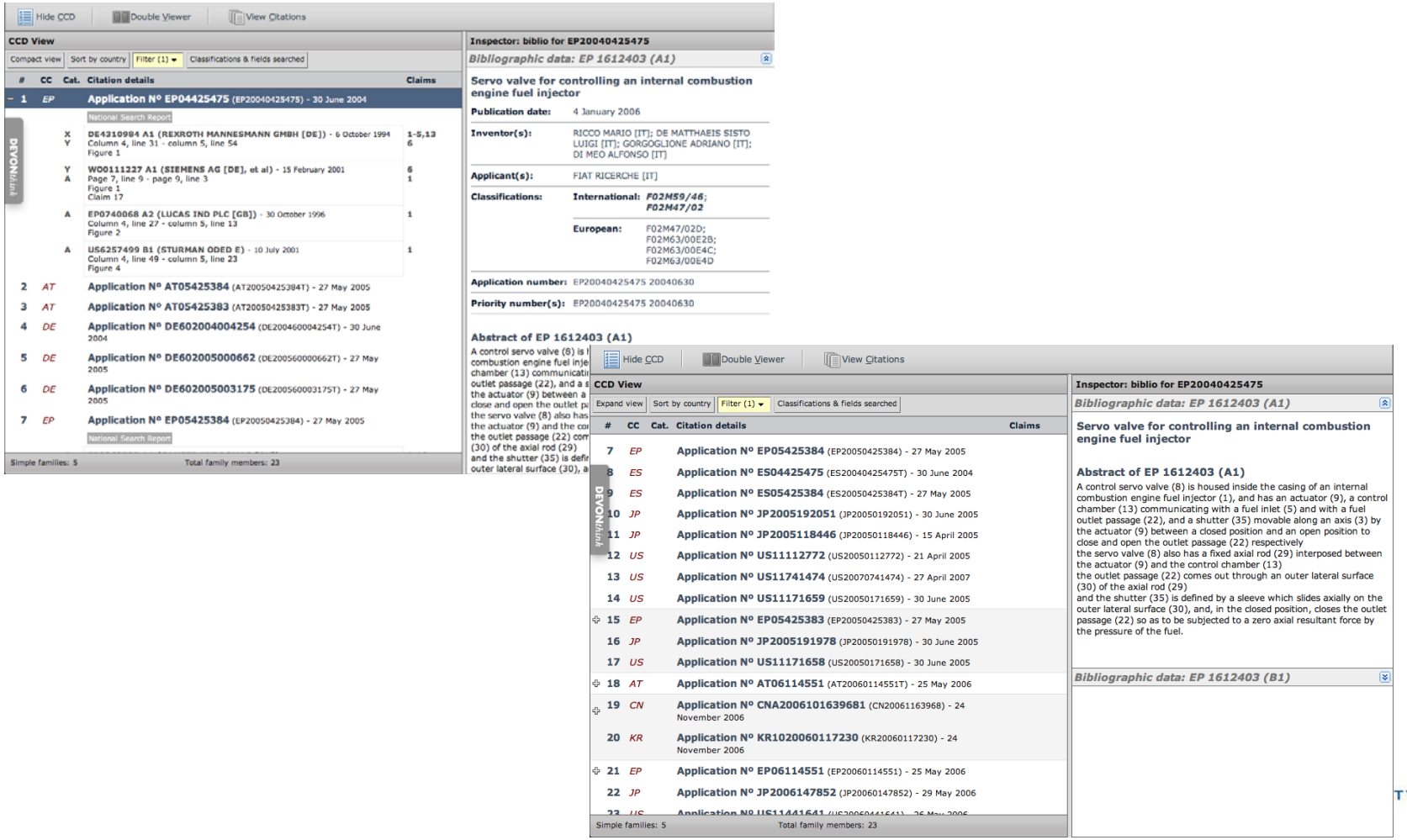
Topic 16: **Specific File Inspection and Citation Sources**

Lutz Mailänder
Head, International Cooperation on Examination and Training Section

Pretoria
17 March 2016

Common Citation Document (CCD)

http://ccd.fiveipoffices.org/CCD-2.0.8/



Common Citation Document (CCD)

- CCD originated from a request of commercial sector (mostly US) to have a one stop shop for citations of prior art indentified by different IPOs for members of the patent family
  - To avoid researching individual national phases
  - Facilitate comparing prior art searches
  - Faciltate identification of additional prior art
  - Provide public access to trilateral offices internal resources
    - Trilateral and other offices had established mechanisms for exchange of prior art search reports

Common Citation Document (CCD)

- CCD offers consolidated access to family information and the related **citation data** from JPO, USPTO, EPO, PCT, and several other jurisdictions for each respective family member.
- CCD builds on the EPO's family system and has been developed and is hosted by the EPO
  - Displays all simple families being part of an extended family
- CCD permits viewing of cited patent documents per family member
- No examination reports included
- Various display options

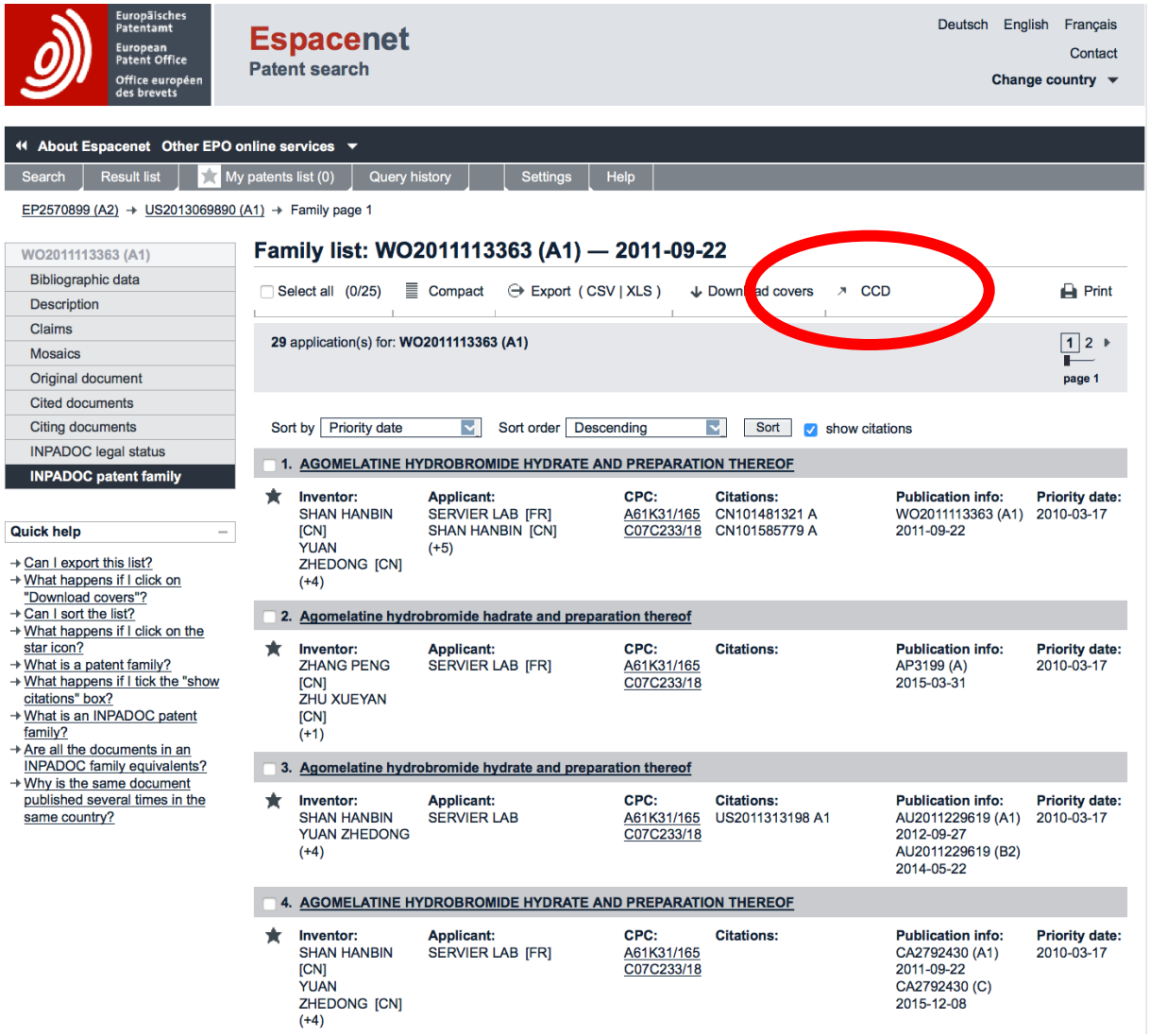
Common Citation Document (CCD)

- Access to citation data:
  - Link in Espacenet when viewing Inpadoc family of an application
  - Search application number or publication number directly in CCD

- Default result:
  - simple family of the application (list of application numbers)
  - Indented: list of citations for each family member (if available)

- Option to retrieve the extended family
  - List of simple families separated by "+" sign

Access in Inpadoc family list



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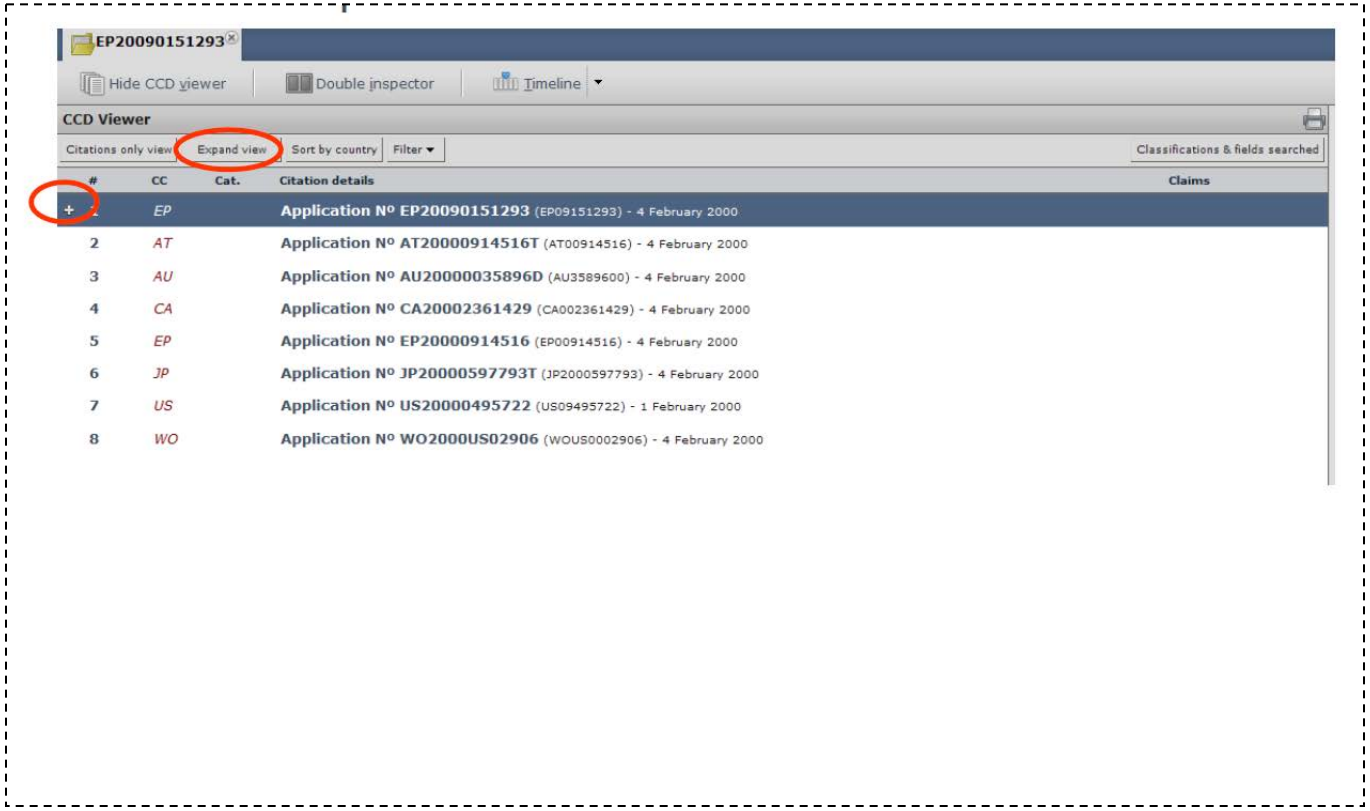
"Compact" view

- Citations are hidden; click "expand" or "+" to see the citations



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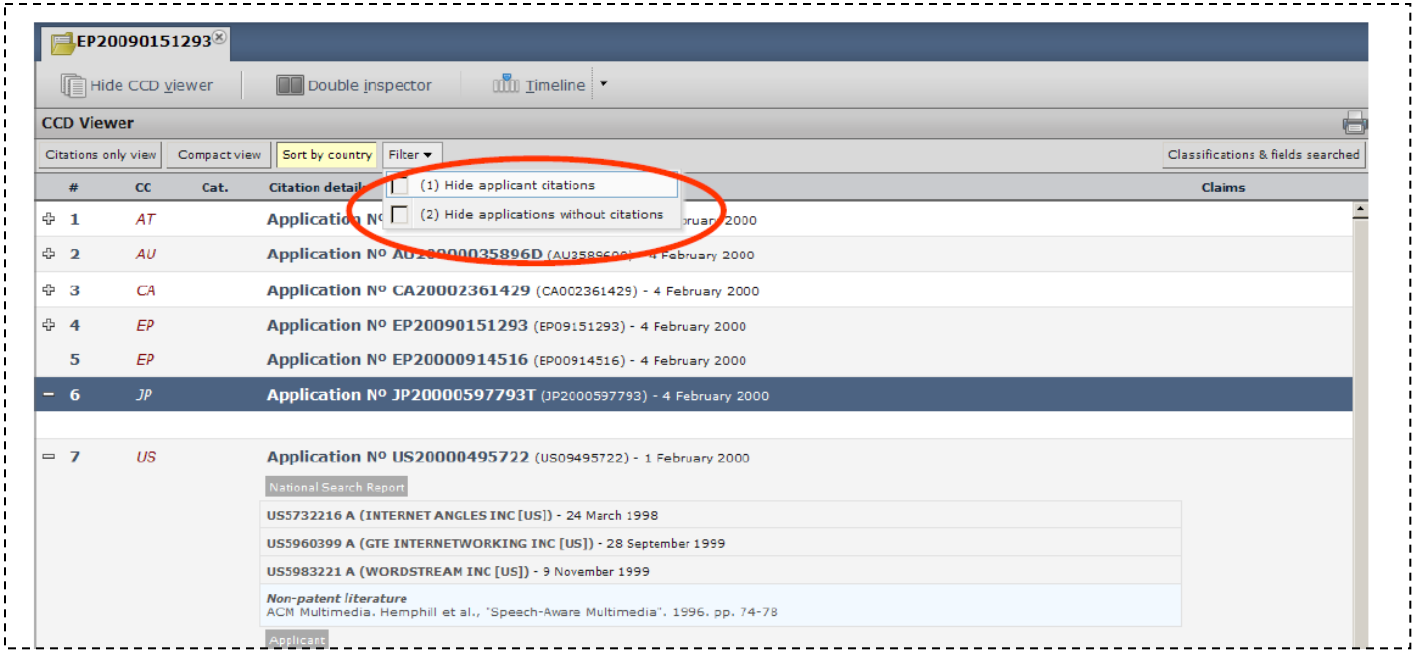
Filtering

- It is possible to display only family members with citations, and/or remove citations cited only by the applicants themselves (disclosure requirement; however, category D documents, ie cited by examiner as well, are not removed)



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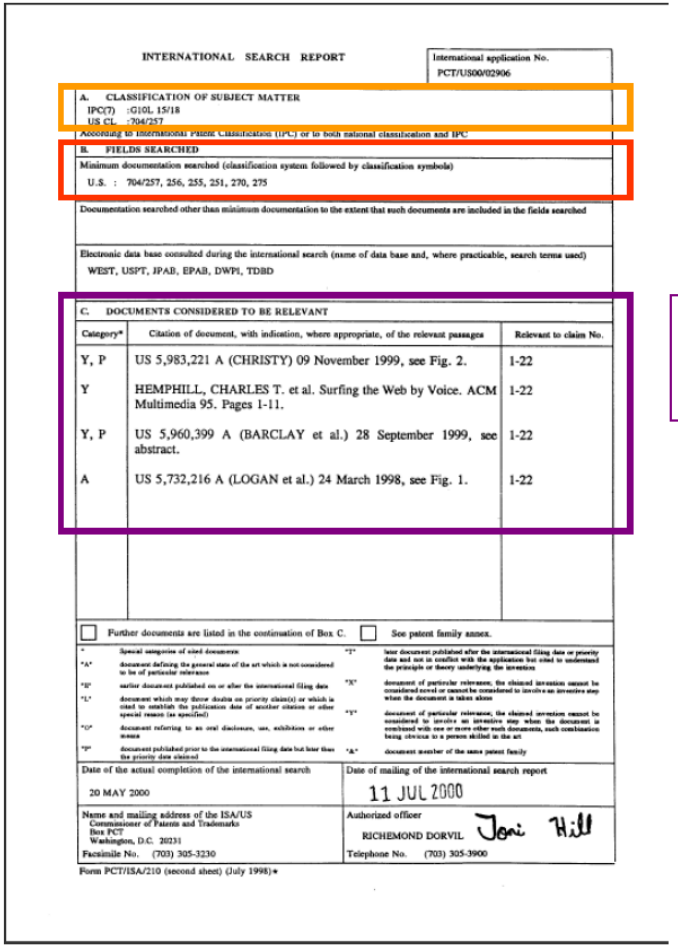
The PCT/ISA/210 model



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/02906

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) :G10L 15/18
US CL. :704/257
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)
U.S. : 704/257, 256, 255, 251, 270, 275

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, USPT, JPAB, EPAB, DWPI, TDBD

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 5,983,221 A (CHRISTY) 09 November 1999, see Fig. 2.	1-22
Y	HEMPHILL, CHARLES T. et al. Surfing the Web by Voice. ACM Multimedia 95. Pages 1-11.	1-22
Y, P	US 5,960,399 A (BARCLAY et al.) 28 September 1999, see abstract.	1-22
A	US 5,732,216 A (LOGAN et al.) 24 March 1998, see Fig. 1.	1-22

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

Date of the actual completion of the international search	Date of mailing of the international search report
20 MAY 2000	11 JUL 2000
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer RICHEMOND DORVIL Telephone No. (703) 305-3900

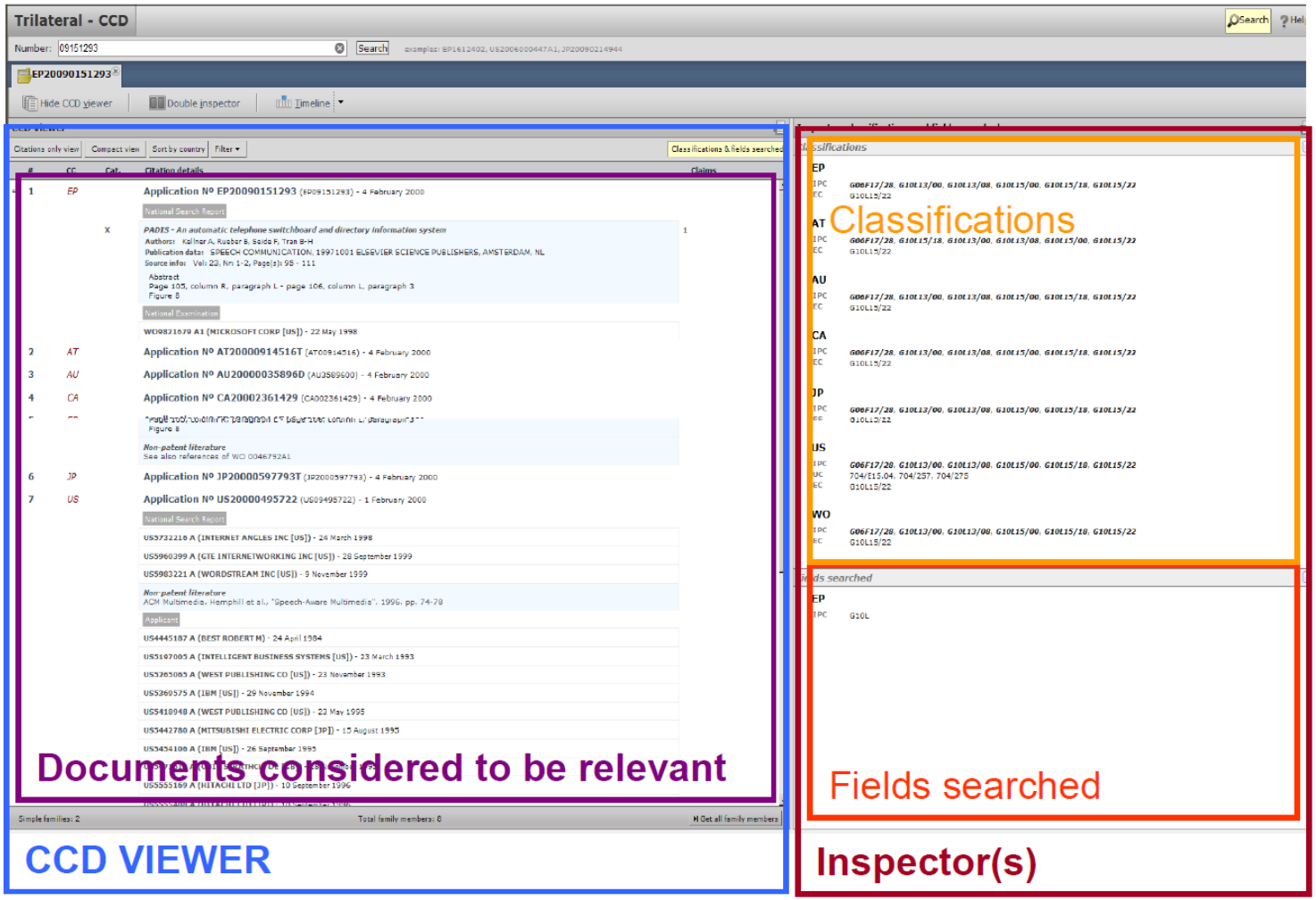
Form PCT/ISA/210 (second sheet) (July 1998)*

Classification of S-M

Fields searched

Documents considered to be relevant

CCD Initial Output



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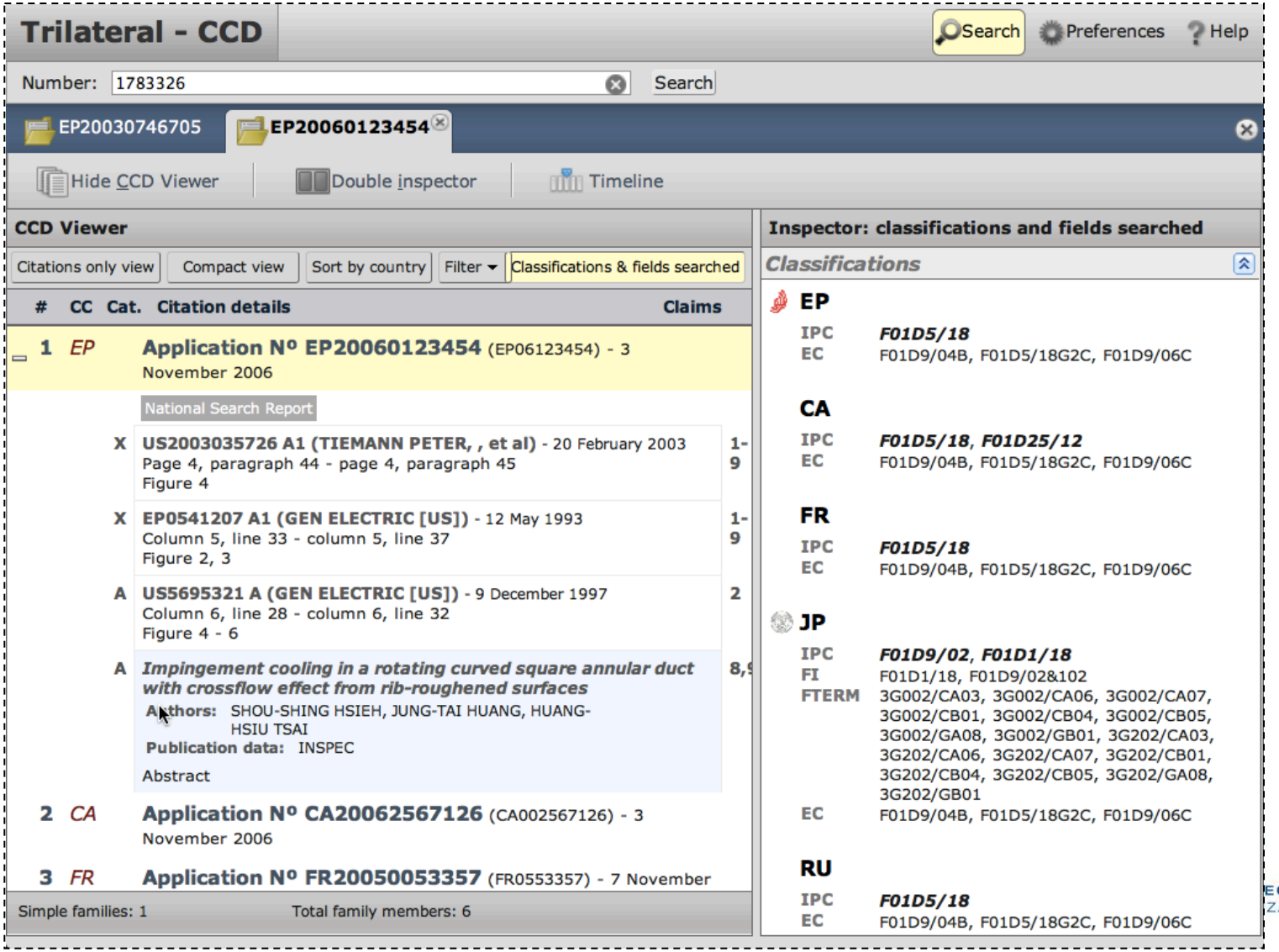

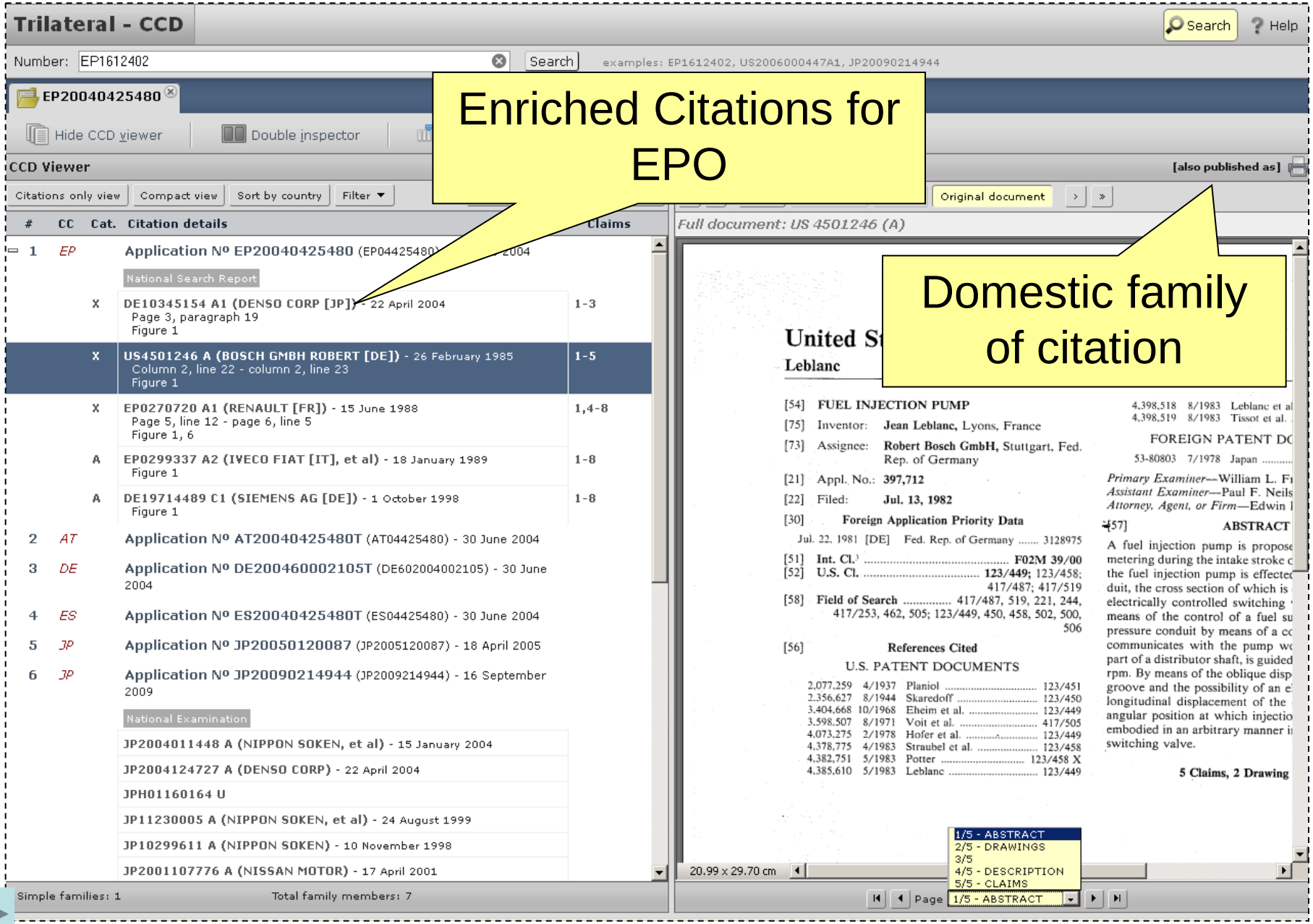
Trilateral - CCD
Search
Help
Number: EP1612402
Search
examples: EP1612402, US2006000447A1, JP20090214944
EP20040425480
Enriched Citations for EPO
Hide CCD viewer
Double inspector
CCD Viewer
[also published as]
Citations only view
Compact view
Sort by country
Filter
Original document
CC Cat. Citation details Claims
1 EP Application Nº EP20040425480 (EP04425480) 2004
National Search Report
X DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004
Page 3, paragraph 19
Figure 1
1-3
X US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985
Column 2, line 22 - column 2, line 23
Figure 1
1-5
X EP0270720 A1 (RENAULT [FR]) - 15 June 1988
Page 5, line 12 - page 6, line 5
Figure 1, 6
1,4-8
A EP0299337 A2 (IVECO FIAT [IT], et al) - 18 January 1989
Figure 1
1-8
A DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1998
Figure 1
1-8
2 AT Application Nº AT20040425480T (AT04425480) - 30 June 2004
3 DE Application Nº DE200460002105T (DE602004002105) - 30 June 2004
4 ES Application Nº ES20040425480T (ES04425480) - 30 June 2004
5 JP Application Nº JP20050120087 (JP2005120087) - 18 April 2005
6 JP Application Nº JP20090214944 (JP2009214944) - 16 September 2009
National Examination
JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004
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Simple families: 1
Total family members: 7
Full document: US 4501246 (A)
Domestic family of citation
United St
Leblanc
[54] FUEL INJECTION PUMP
[75] Inventor: Jean Leblanc, Lyons, France
[73] Assignee: Robert Bosch GmbH, Stuttgart, Fed. Rep. of Germany
[21] Appl. No.: 397,712
[22] Filed: Jul. 13, 1982
[30] Foreign Application Priority Data
Jul. 22, 1981 [DE] Fed. Rep. of Germany 3128975
[51] Int. Cl.³ F02M 39/00
[52] U.S. Cl. 123/449; 123/458; 417/487; 417/519
[58] Field of Search 417/487, 519, 221, 244, 417/253, 462, 505; 123/449, 450, 458, 502, 500, 506
[56] References Cited
U.S. PATENT DOCUMENTS
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2,356,627 8/1944 Skaredoff 123/450
3,404,668 10/1968 Eheim et al. 123/449
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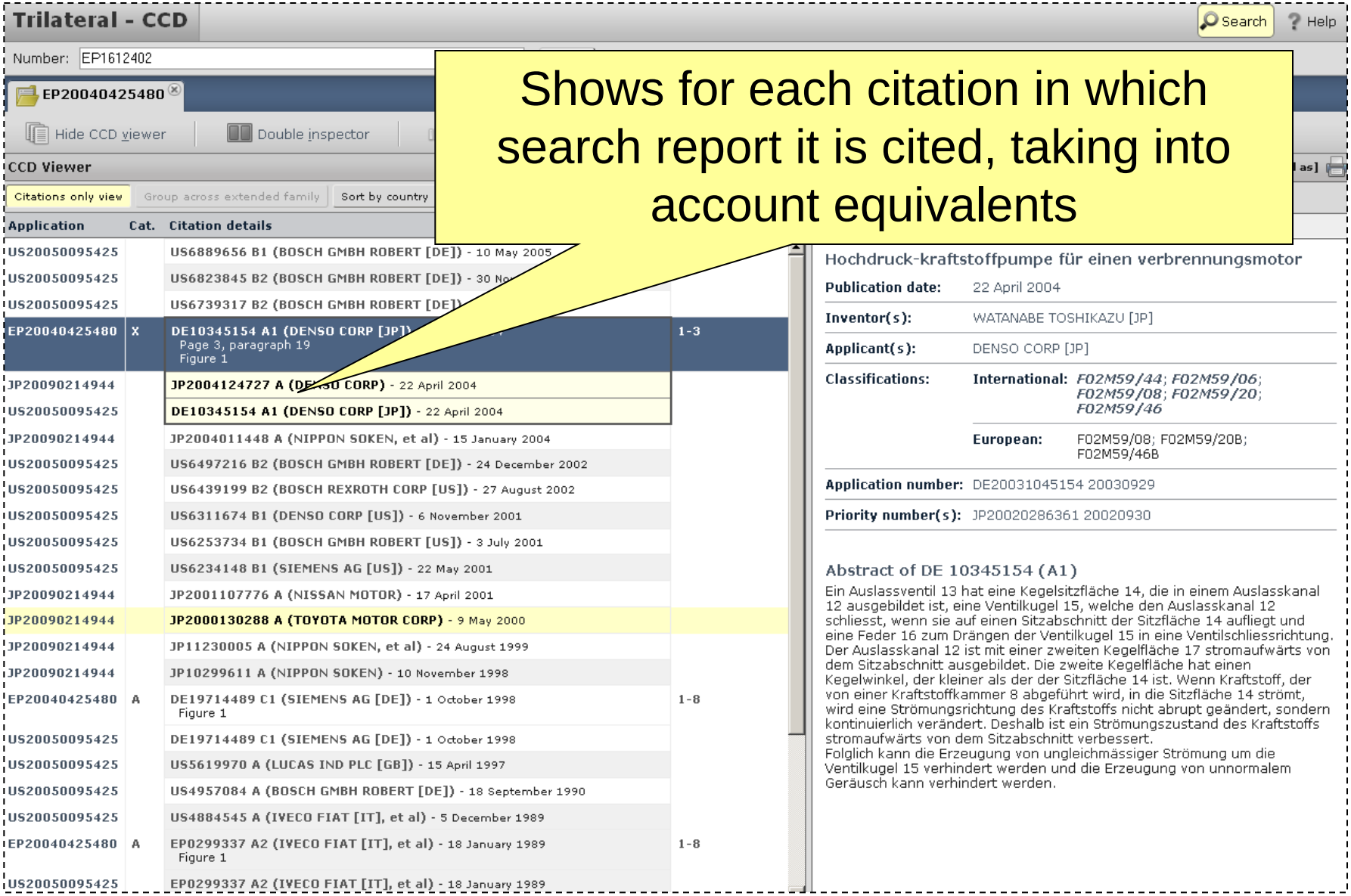
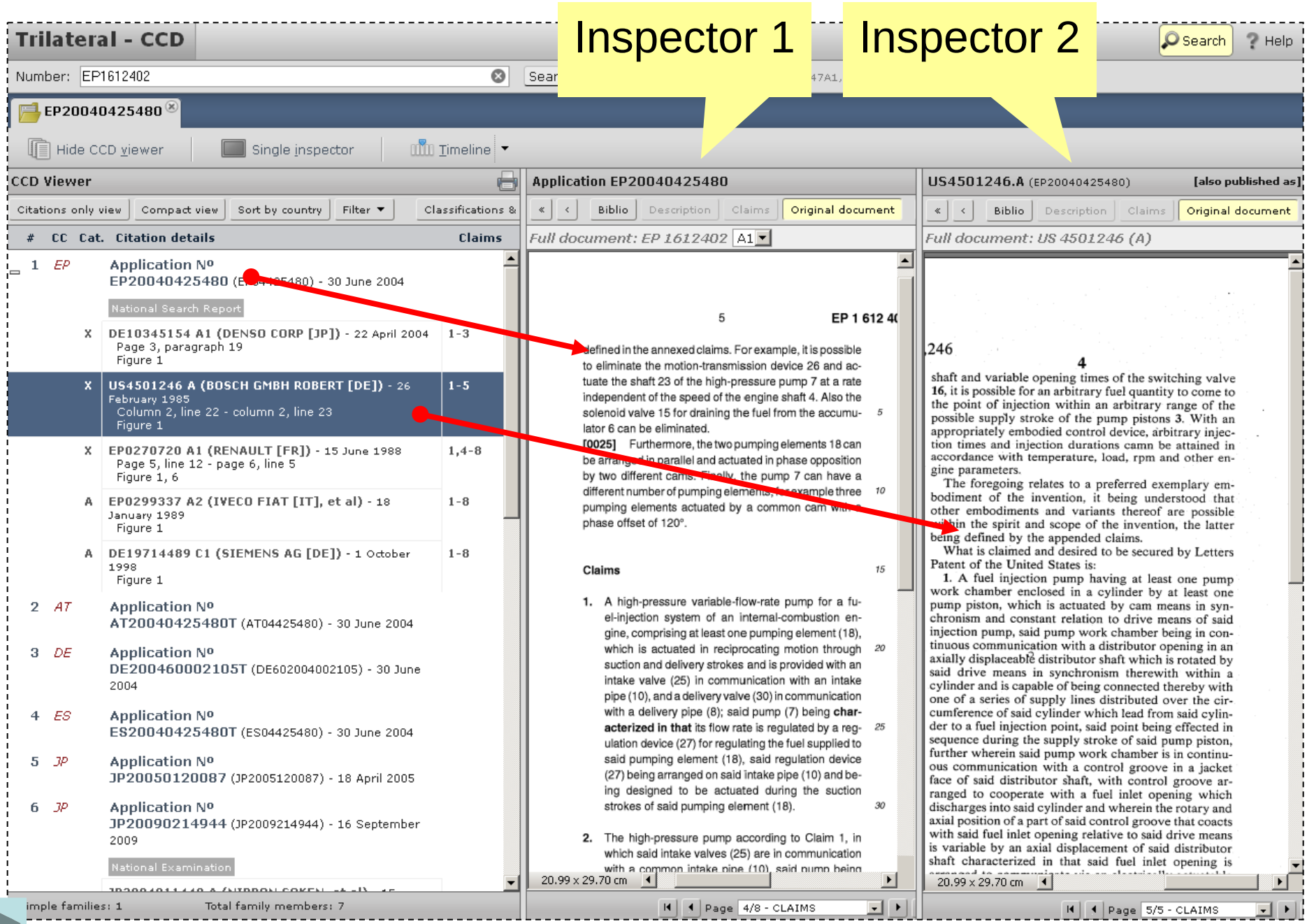
4,398,518 8/1983 Leblanc et al
4,398,519 8/1983 Tissot et al.
FOREIGN PATENT DO
53-80803 7/1978 Japan .....
Primary Examiner—William L. Fr
Assistant Examiner—Paul F. Neils
Attorney, Agent, or Firm—Edwin
[57] ABSTRACT
A fuel injection pump is propose metering during the intake stroke c the fuel injection pump is effected duit, the cross section of which is electrically controlled switching means of the control of a fuel su pressure conduit by means of a cc communicates with the pump wo part of a distributor shaft, is guided rpm. By means of the oblique disp groove and the possibility of an e longitudinal displacement of the angular position at which injectio embodied in an arbitrary manner i switching valve.
5 Claims, 2 Drawing
1/5 - ABSTRACT
2/5 - DRAWINGS
3/5
4/5 - DESCRIPTION
5/5 - CLAIMS
20.99 x 29.70 cm
Page 1/5 - ABSTRACT

CCD – citations only view



"Inspector" viewing options

- It is possible to view the PDF or HTML publication of either citations or applications in the family list
- Optionally, documents can be viewed in parallel (by opening a 2nd inspector window with right click)
- This permits, e.g., quick comparison of a prior art document and the application, or of two prior art documents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EP20040425480
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Single inspector
Timeline
CCD Viewer
Citations only view
Compact view
Sort by country
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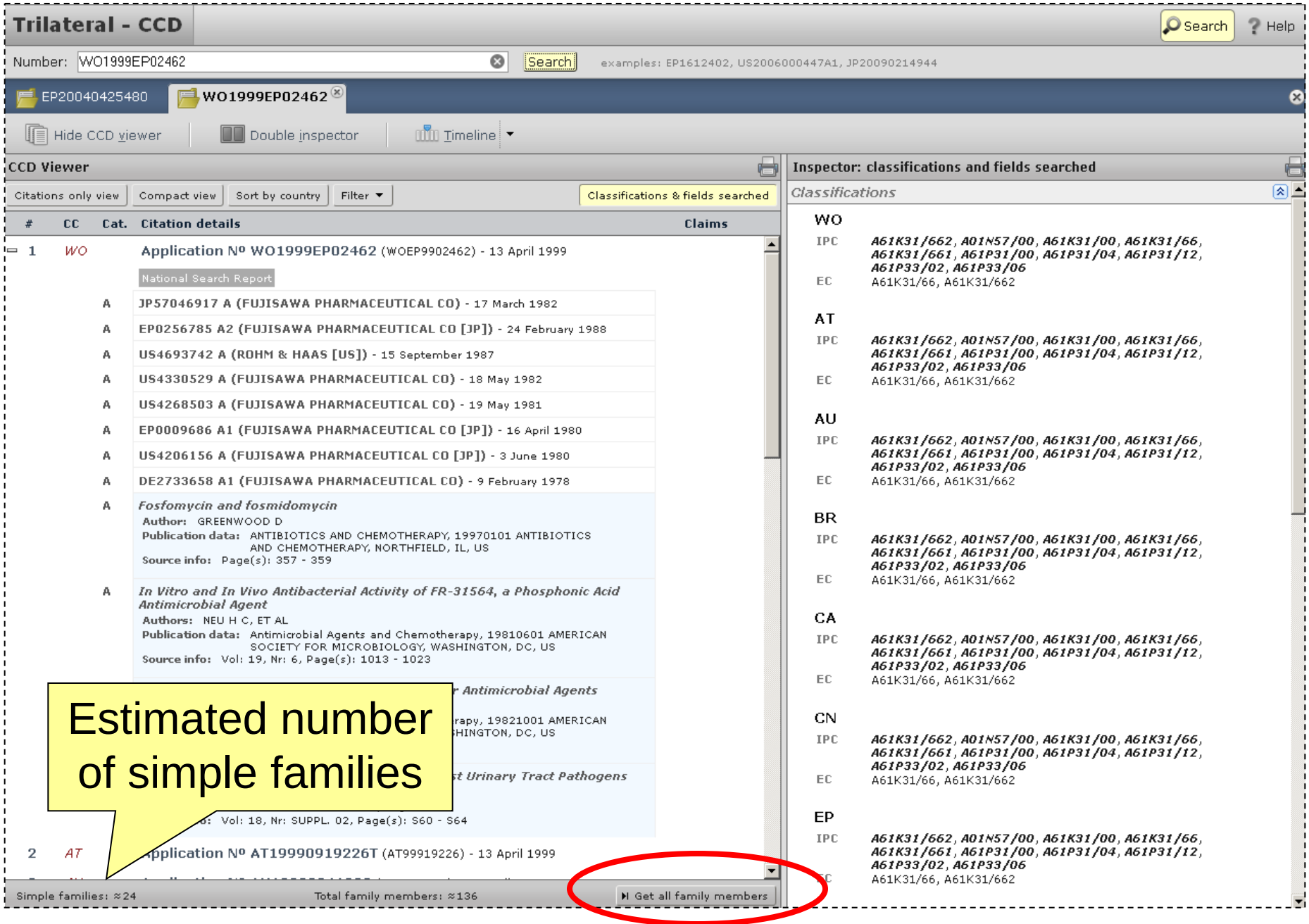
Classifications &
CC Cat. Citation details Claims
1 EP Application Nº EP20040425480 (EP04425480) - 30 June 2004
National Search Report
X DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004 Page 3, paragraph 19 Figure 1 1-3
X US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985 Column 2, line 22 - column 2, line 23 Figure 1 1-5
X EP0270720 A1 (RENAULT [FR]) - 15 June 1988 Page 5, line 12 - page 6, line 5 Figure 1, 6 1,4-8
A EP0299337 A2 (IVECO FIAT [IT], et al) - 18 January 1989 Figure 1 1-8
A DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1998 Figure 1 1-8
2 AT Application Nº AT20040425480T (AT04425480) - 30 June 2004
3 DE Application Nº DE200460002105T (DE602004002105) - 30 June 2004
4 ES Application Nº ES20040425480T (ES04425480) - 30 June 2004
5 JP Application Nº JP20050120087 (JP2005120087) - 18 April 2005
6 JP Application Nº JP20090214944 (JP2009214944) - 16 September 2009
National Examination
imple families: 1
Total family members: 7
Application EP20040425480
Biblio
Description
Claims
Original document
Full document: EP 1612402 A1
5 EP 1 612 40
defined in the annexed claims. For example, it is possible to eliminate the motion-transmission device 26 and actuate the shaft 23 of the high-pressure pump 7 at a rate independent of the speed of the engine shaft 4. Also the solenoid valve 15 for draining the fuel from the accumulator 6 can be eliminated.
[0025] Furthermore, the two pumping elements 18 can be arranged in parallel and actuated in phase opposition by two different cams. Finally, the pump 7 can have a different number of pumping elements, for example three pumping elements actuated by a common cam with a phase offset of 120°.
Claims
1. A high-pressure variable-flow-rate pump for a fuel-injection system of an internal-combustion engine, comprising at least one pumping element (18), which is actuated in reciprocating motion through suction and delivery strokes and is provided with an intake valve (25) in communication with an intake pipe (10), and a delivery valve (30) in communication with a delivery pipe (8); said pump (7) being characterized in that its flow rate is regulated by a regulation device (27) for regulating the fuel supplied to said pumping element (18), said regulation device (27) being arranged on said intake pipe (10) and being designed to be actuated during the suction strokes of said pumping element (18).
2. The high-pressure pump according to Claim 1, in which said intake valves (25) are in communication with a common intake pipe (10), said pump being
20.99 x 29.70 cm
Page 4/8 - CLAIMS
US4501246.A (EP20040425480) [also published as]
Biblio
Description
Claims
Original document
Full document: US 4501246 (A)
246
4
shaft and variable opening times of the switching valve 16, it is possible for an arbitrary fuel quantity to come to the point of injection within an arbitrary range of the possible supply stroke of the pump pistons 3. With an appropriately embodied control device, arbitrary injection times and injection durations camn be attained in accordance with temperature, load, rpm and other engine parameters.
The foregoing relates to a preferred exemplary embodiment of the invention, it being understood that other embodiments and variants thereof are possible within the spirit and scope of the invention, the latter being defined by the appended claims.
What is claimed and desired to be secured by Letters Patent of the United States is:
1. A fuel injection pump having at least one pump work chamber enclosed in a cylinder by at least one pump piston, which is actuated by cam means in synchronism and constant relation to drive means of said injection pump, said pump work chamber being in continuous communication with a distributor opening in an axially displaceable distributor shaft which is rotated by said drive means in synchronism therewith within a cylinder and is capable of being connected thereby with one of a series of supply lines distributed over the circumference of said cylinder which lead from said cylinder to a fuel injection point, said point being effected in sequence during the supply stroke of said pump piston, further wherein said pump work chamber is in continuous communication with a control groove in a jacket face of said distributor shaft, with control groove arranged to cooperate with a fuel inlet opening which discharges into said cylinder and wherein the rotary and axial position of a part of said control groove that coacts with said fuel inlet opening relative to said drive means is variable by an axial displacement of said distributor shaft characterized in that said fuel inlet opening is
20.99 x 29.70 cm
Page 5/5 - CLAIMS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examples: EP1612402, US2006000447A1, JP20090214944
EP20040425480
WO1999EP02462
Hide CCD viewer
Double inspector
Timeline
CCD Viewer
Citations only view
Compact view
Sort by country
Filter
Classifications & fields searched
CC Cat. Citation details Claims
1 WO
Application Nº WO1999EP02462 (WOEP9902462) - 13 April 1999
National Search Report
A JP57046917 A (FUJISAWA PHARMACEUTICAL CO) - 17 March 1982
A EP0256785 A2 (FUJISAWA PHARMACEUTICAL CO [JP]) - 24 February 1988
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A DE2733658 A1 (FUJISAWA PHARMACEUTICAL CO) - 9 February 1978
A Fosfomycin and fosmidomycin
Author: GREENWOOD D
Publication data: ANTIBIOTICS AND CHEMOTHERAPY, 19970101 ANTIBIOTICS AND CHEMOTHERAPY, NORTHFIELD, IL, US
Source info: Page(s): 357 - 359
A In Vitro and In Vivo Antibacterial Activity of FR-31564, a Phosphonic Acid Antimicrobial Agent
Authors: NEU H C, ET AL
Publication data: Antimicrobial Agents and Chemotherapy, 19810601 AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, DC, US
Source info: Vol: 19, Nr: 6, Page(s): 1013 - 1023
Antimicrobial Agents
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SHINGTON, DC, US
st Urinary Tract Pathogens
Vol: 18, Nr: SUPPL. 02, Page(s): S60 - S64
2 AT
pplication Nº AT19990919226T (AT99919226) - 13 April 1999
Estimated number of simple families
Simple families: ≈24
Total family members: ≈136
Get all family members
Inspector: classifications and fields searched
Classifications
WO
IPC A61K31/662, A01N57/00, A61K31/00, A61K31/66, A61K31/661, A61P31/00, A61P31/04, A61P31/12, A61P33/02, A61P33/06
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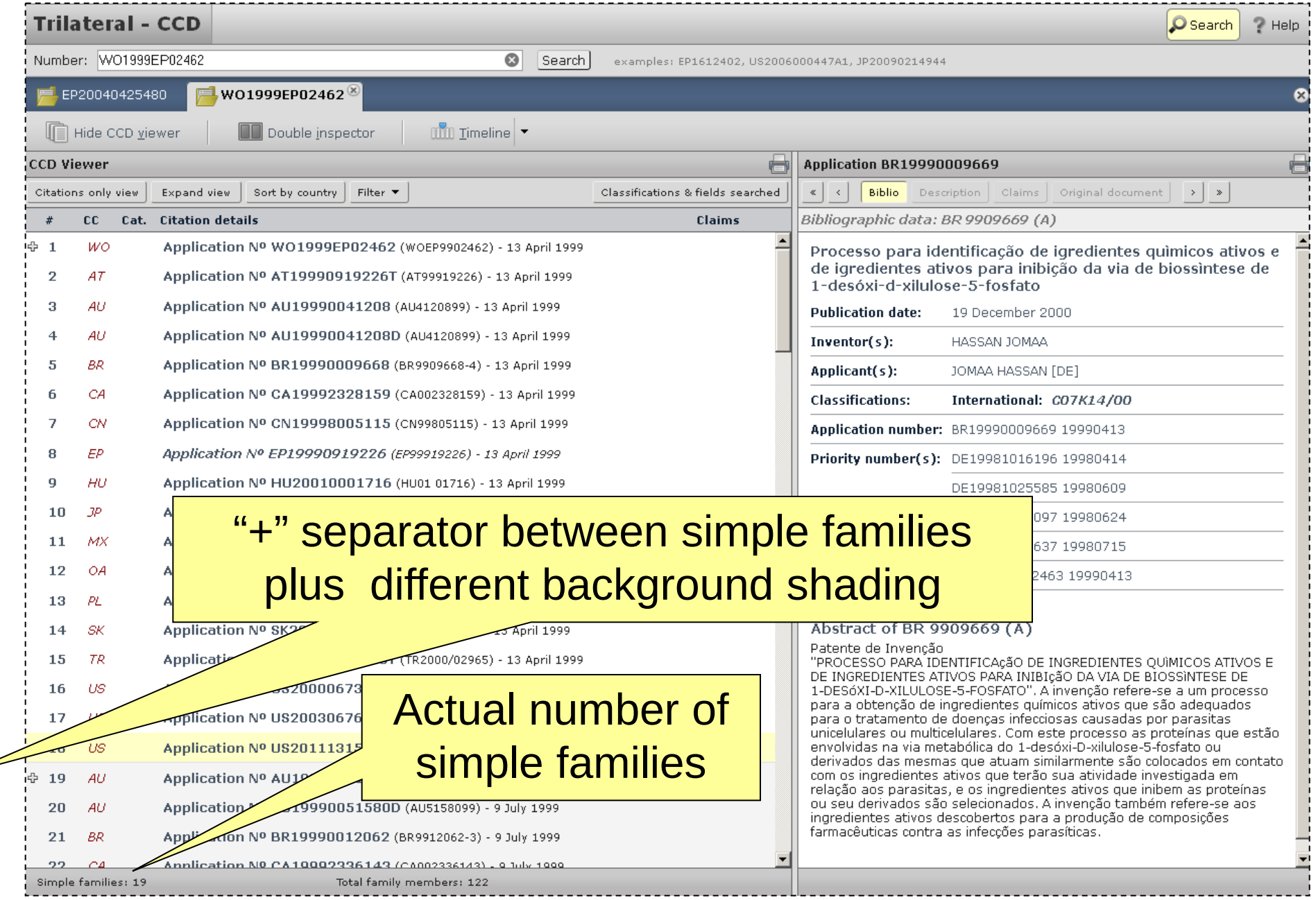
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examples: EP1612402, US2006000447A1, JP20090214944
EP20040425480
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Timeline
CCD Viewer
Citations only view
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Classifications & fields searched
CC Cat. Citation details Claims
1 WO Application Nº WO1999EP02462 (WOEP9902462) - 13 April 1999
2 AT Application Nº AT19990919226T (AT99919226) - 13 April 1999
3 AU Application Nº AU19990041208 (AU4120899) - 13 April 1999
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5 BR Application Nº BR19990009668 (BR9909668-4) - 13 April 1999
6 CA Application Nº CA19992328159 (CA002328159) - 13 April 1999
7 CN Application Nº CN19998005115 (CN99805115) - 13 April 1999
8 EP Application Nº EP19990919226 (EP99919226) - 13 April 1999
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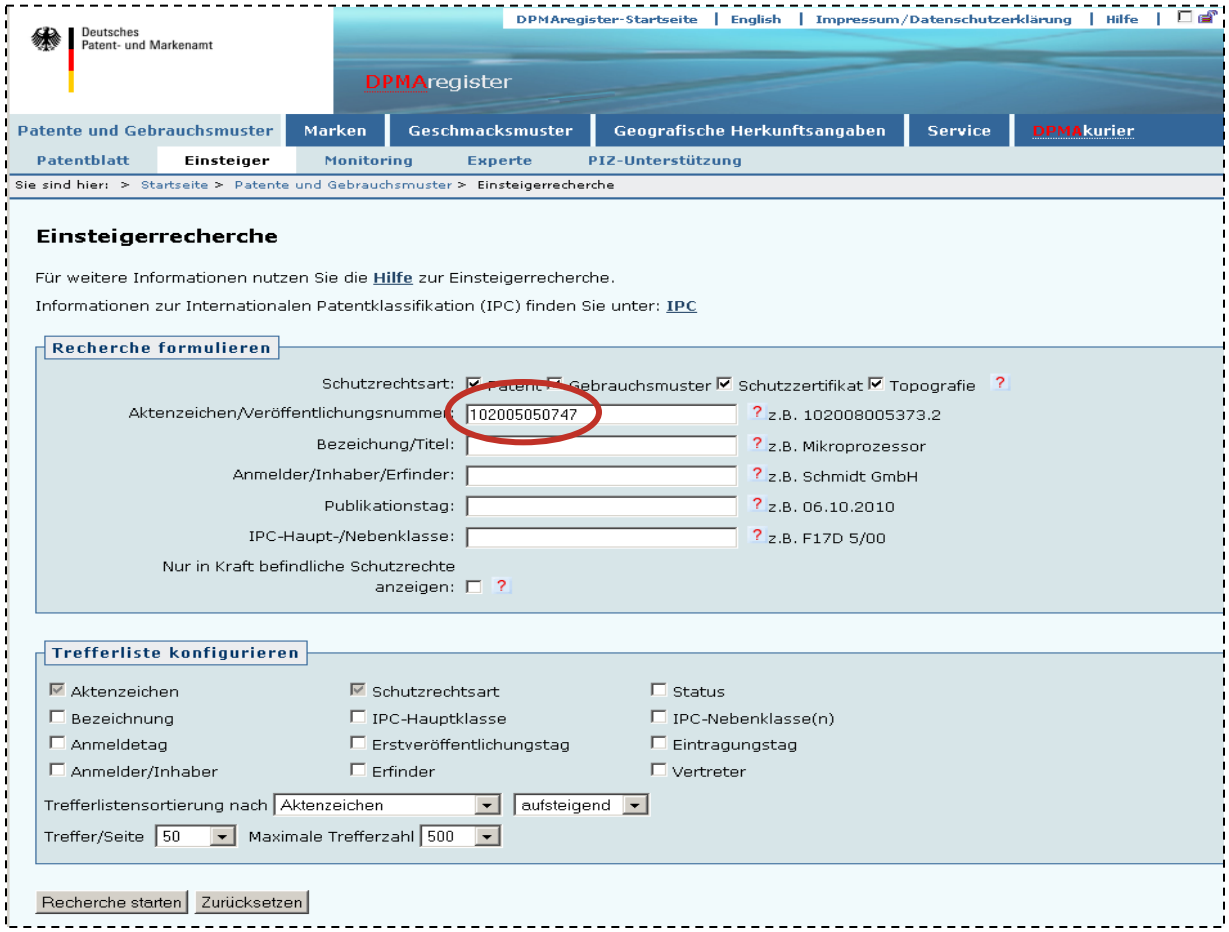
US
19 AU
20 AU 19990051580D (AU5158099) - 9 July 1999
21 BR Application Nº BR19990012062 (BR9912062-3) - 9 July 1999
22 CA
Simple families: 19
Total family members: 122
Application BR19990009669
« ‹ Biblio Description Claims Original document › »
Bibliographic data: BR 9909669 (A)
Processo para identificação de igredientes quìmicos ativos e de igredientes ativos para inibição da via de biossìntese de 1-desóxi-d-xilulose-5-fosfato
Publication date: 19 December 2000
Inventor(s): HASSAN JOMAA
Applicant(s): JOMAA HASSAN [DE]
Classifications: International: C07K14/00
Application number: BR19990009669 19990413
Priority number(s): DE19981016196 19980414
DE19981025585 19980609
097 19980624
637 19980715
2463 19990413
Abstract of BR 9909669 (A)
Patente de Invenção
"PROCESSO PARA IDENTIFICAçãO DE INGREDIENTES QUìMICOS ATIVOS E DE INGREDIENTES ATIVOS PARA INIBIçãO DA VIA DE BIOSSìNTESE DE 1-DESóXI-D-XILULOSE-5-FOSFATO". A invenção refere-se a um processo para a obtenção de ingredientes químicos ativos que são adequados para o tratamento de doenças infecciosas causadas por parasitas unicelulares ou multicelulares. Com este processo as proteínas que estão envolvidas na via metabólica do 1-desóxi-D-xilulose-5-fosfato ou derivados das mesmas que atuam similarmente são colocados em contato com os ingredientes ativos que terão sua atividade investigada em relação aos parasitas, e os ingredientes ativos que inibem as proteínas ou seu derivados são selecionados. A invenção também refere-se aos ingredientes ativos descobertos para a produção de composições farmacêuticas contra as infecções parasíticas.
"+" separator between simple families plus different background shading
Actual number of simple families

German Patent Office DPMAregister

- Access to examination status and search reports of applications processed by German patent office: no file wrapper yet



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German Patent Office DPMAregister

Treffer 1/1, Registerauskunft

Aktenzeichen DE: 10 2005 050 747.6
Schutzrechtsart: Patent
Status: anhängig/in Kraft
Stand am: 16. November 2011

Zurück zur Einsteigerrecherche | Zurück zur Trefferliste

Stammdaten Details schließen

INID	Kriterium	Feld	Inhalt
	Schutzrechtsart	SART	Patent
	Status	ST	Anhängig/in Kraft
21	Aktenzeichen DE	DAKZ	10 2005 050 747.6
54	Bezeichnung/Titel	TI	Multiplex-Sender für Polymerfaserübertragung und Verfahren zu dessen Herstellung
51	IPC-Hauptklasse	ICM (ICMV)	H04J 14/02 (2006.01)
22	Anmeldetag DE	DAT	22.10.2005
43	Offenlegungstag	OT	26.04.2007
71/73	Anmelder/Inhaber	INH	ESA Patentverwertungsagentur Sachsen-Anhalt GmbH, 39114 Magdeburg, DE; Hochschule Harz (FH), 38855 Wernigerode, DE
72	Erfinder	IN	Ulrich, Prof. Dr. Fischer-Hirchert, 38640 Goslar, DE
74	Vertreter	VTR	Sperling, Fischer & Heyner Patentanwälte, 39108 Magdeburg, DE
10	Veröffentlichte DE-Dokumente	DEPN	DE102005050747A1
	Zustellanschrift		Sperling, Fischer & Heyner Patentanwälte, 39108 Magdeburg, DE
	Fälligkeit	FT FG	31.10.2011 Jahresgebühr für das 7. Jahr
	Zuständige Patentabteilung		55
57	Zusammenfassung	AB	Die Erfindung betrifft einen Multiplex-Sender für Polymerfaserübertragung und ein Verfahren zu dessen Herstellung.$A Erfindungsgemäß besitzt der Multiplex-Sender einen Grundkörper mit Aussparungen, in denen Wellenleiter der Eingangskanäle sowie Wellenleiter des oder der Ausgangskanäle angeordnet sind, wobei sowohl der Grundkörper mit Aussparungen als auch die Wellenleiter Spritzgussteile sind.$A Im Verfahren zur Herstellung eines Multiplex-Senders für Polymerfaserübertragung werden in einem ersten Verfahrensschritt der Grundkörper mit den Aussparungen als Spritzgussteil hergestellt, während in einem zweiten Verfahrensschritt die Wellenleiter ebenfalls durch Spritzguss in Aussparungen des Grundkörpers eingebracht werden.
56	Entgegenhaltungen	CT	DE000019716838A1 DE000010323032A1 DE000069030437T2 US000006356692B1 US020050175347A1 US020050069013A1
	Anzahl der Bescheide		2

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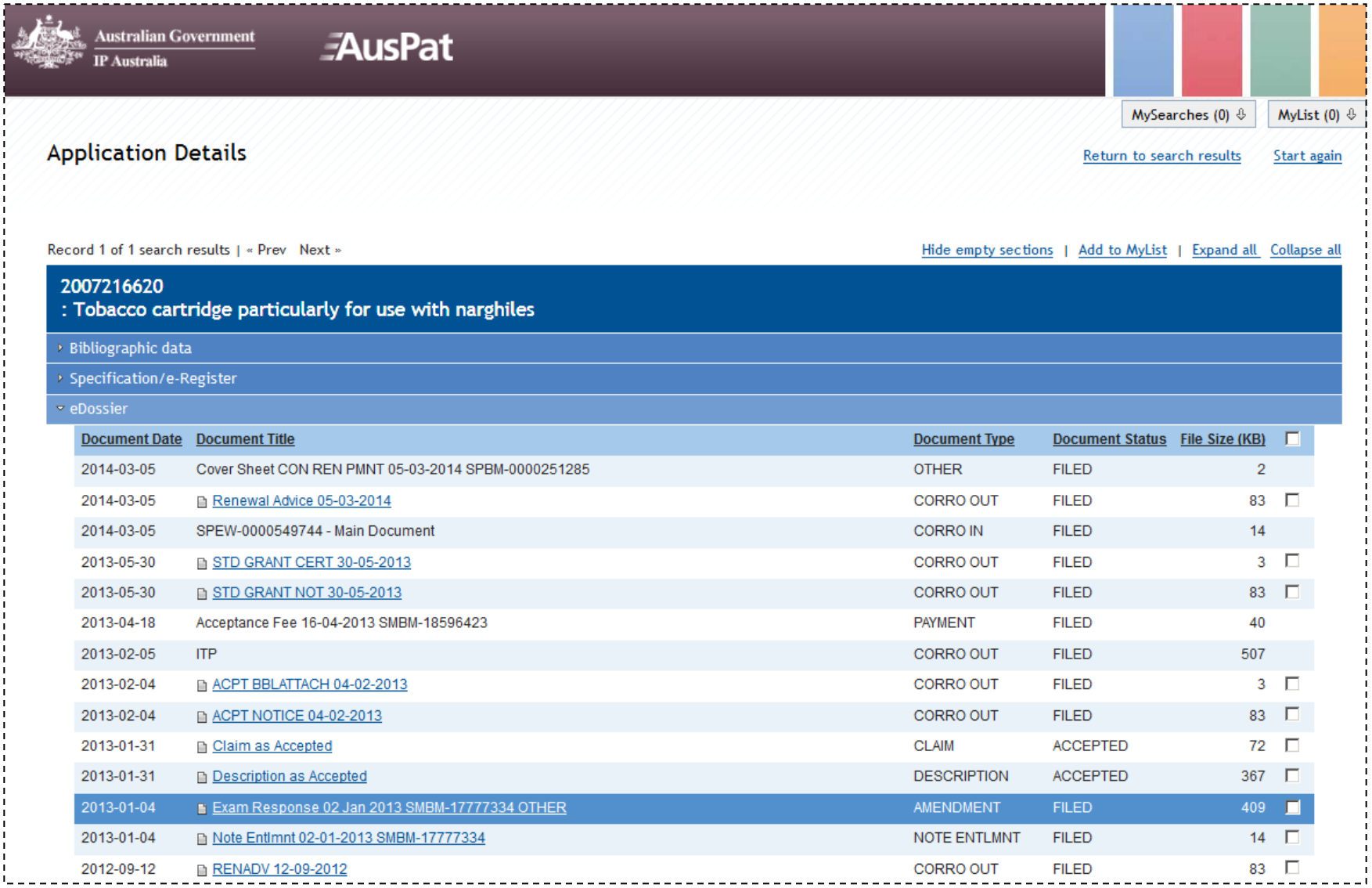

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