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The Common Citation Document (CCD) web application: how to benefit from the search results of patent offices



Pietro Rini Patent Examiner



Nigel Clarke Head of Unit



Sardegne Recherche 12 June 2014

Acknowledgement Pietro Rini



Outline

1. Facts & Main functionalities
2. Online access
3. The input mask
4. The PCT/ISA/210 model
5. CCD Initial Output
6. Features of the CCD web application :
 - CCD Viewer
 - The Inspector
 - The Double Inspector
 - The Timeline
 - Data Coverage

Common Citation Document

Number: EP1612402 Search examples: EP1612402, US2006000447A1, JP20090214944

EP20040425480

Hide CCD viewer Single Inspector Timeline

CCD Viewer Application EP20040425480 Application JP20050120087

Citations only view Compact view Sort by country Filter Classifications & fields searched

CC Cat. Citation details Claims

#	CC	Cat.	Citation details	Claims
1	EP		Application N° 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 1995 Figure 1	1-8
	A		DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1998 Figure 1	
2	AT		Application N° AT20040425480T (AT04 June 2004	
3	DE		Application N° DE200460002105T (DE602004002105) - 30 June 2004	

20050095425) US6739317 (US20050095425) US6889656 (US20050095425)

5) DE10345154 (EP20040425480) JP20050120087

JP2004124727 (JP20090214944) US20050095425

US6823845 (US20050095425)

EP20040425480

AT20040425480T

DE200460002105T

EP20040425480

DE10345154 (US20050095425)

JP2004011448 (JP20090214944)

Q3 Q4 2004 Q2 Q3 Q4 2005 Q2 Q3 Q4 2006 Q2 Q3

Simple families: 1 Total family members: 7

Application EP20040425480

Full document: EP 1612402 A1

Application JP20050120087

Full document: JP 2006017109 (A)

fiveIPoffices - CCD

Fig.1

Page 1/8 - ABSTRACT

Page 1/7 - ABSTRACT

Facts

- Common Citation Document (CCD) was initially proposed by the **Trilateral Industry** and the **Trilateral Offices (EPO, JPO, USPTO)** developed a first version.
- **The IP5 Offices (EPO, KIPO, SIPO, JPO, USPTO)** developed the latest version of the CCD.
- CCD offers consolidated access to **citation data from IP5 Offices** combining a priority-based family with the cited prior art for each family application.
- CCD is **based on published data** or on data made publicly available by Patent Offices.
- CCD involves the commitment of the IP5 Offices to engage into the **exchange of the relevant citation data**.

Main functionalities

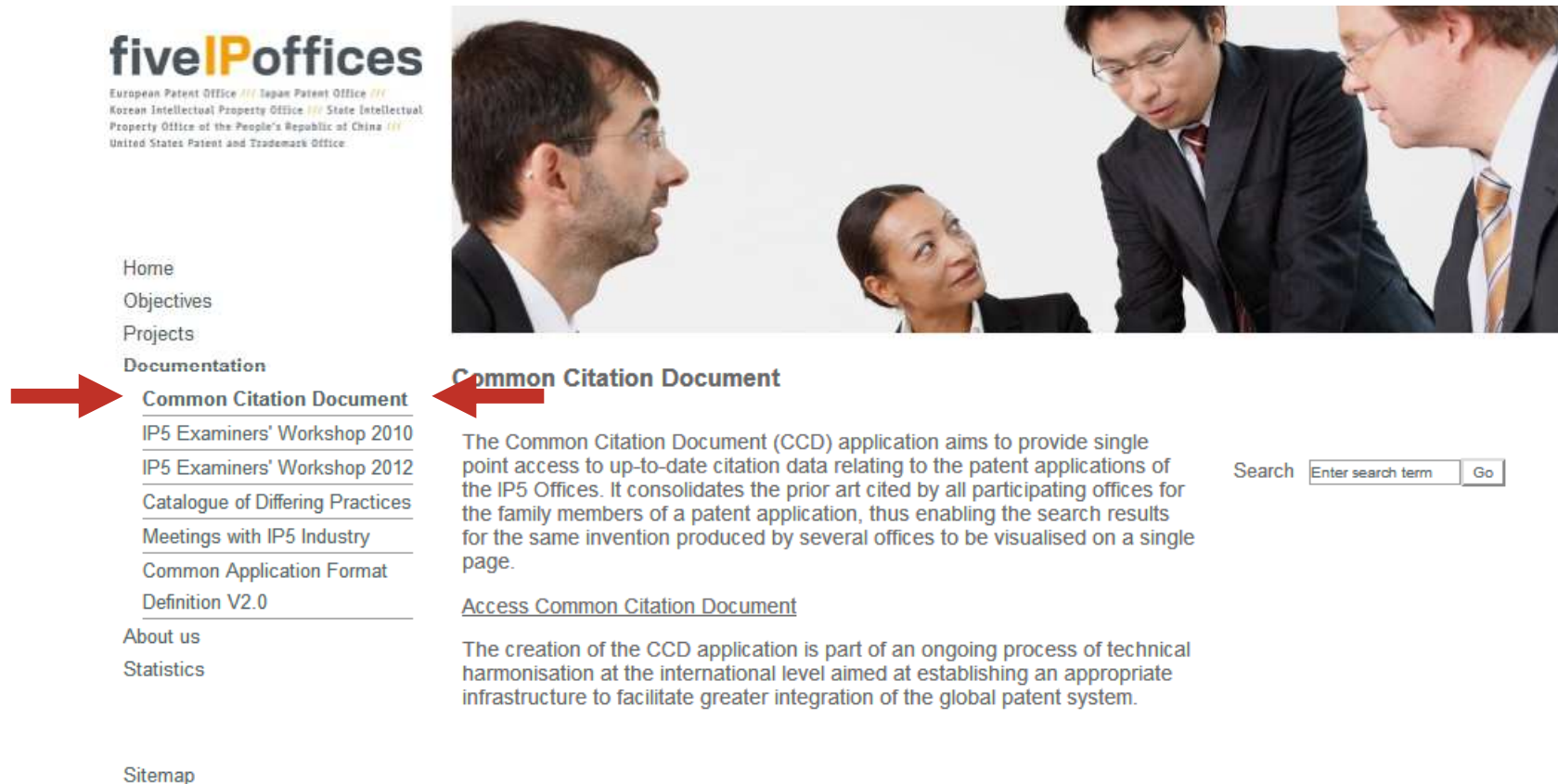
- The CCD can be invoked with domestic application number formats for most IP5 applications after 2005 and also suggests possible matching applications. Best accessed via **Espace**net
- CCD has a broader data coverage than the IP5 Offices, including relevant citation data made available to EPO by any IPO.
- Identifies equivalent citations in the citation view by citation grouping.
- Supports an ergonomic double viewing.
- Comprehensive User Guide and Online Help available.

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Online access

- CCD is available from of the IP5's home page (www.fiveipoffices.org)



fiveIPoffices
European Patent Office // Japan Patent Office // Korean Intellectual Property Office // State Intellectual Property Office of the People's Republic of China // United States Patent and Trademark Office

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Common Citation Document

The Common Citation Document (CCD) application aims to provide single point access to up-to-date citation data relating to the patent applications of the IP5 Offices. It consolidates the prior art cited by all participating offices for the family members of a patent application, thus enabling the search results for the same invention produced by several offices to be visualised on a single page.

[Access Common Citation Document](#)

The creation of the CCD application is part of an ongoing process of technical harmonisation at the international level aimed at establishing an appropriate infrastructure to facilitate greater integration of the global patent system.

Search

- or directly from the URL <http://ccd.fiveipoffices.org>

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The input mask

- The input mask accepts domestic application number formats for most Trilateral applications after 2005, e.g. EP09151293



Number: Search examples: EP1612402, US2006000447A1, JP20090214944

- A list of compatible input numbers is given below

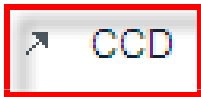
Input number	CCD compatible formats
Publication number (country code)	WO2011018055 - WO 2011 018055
Publication number (no country code)	2011,018,055 - 2011018055
Publication number (kind code)	EP1002935 A1 - EP1002935A1
Priority document (international)	WO2007JP3287 - WO,2007,JP,73287
Priority document (national)	JP20070041489 - JP 2007 004 1489
Application number (international);	PCT/US2005/035078
Application number (national);	09/667,353

Access via Espacenet



Espacenet
Patent search

INPADOC patent family



Sort

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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 PROBES AND PRIMERS AND METHODS OF USING SAME FOR THE DETECTION, SCREENING, ISOLATING 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)	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 mecA					
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

Access via Espacenet

The screenshot displays the Espacenet patent search interface. At the top, the European Patent Office logo and the text "Espacenet Patent search" are visible. Below the header, there are navigation options like "Citations only view", "Compact view", and "Sort by country". The main area shows a list of patent entries, each with a number, country code (CC), category (Cat.), and citation details. The first entry is EP 20100857624, followed by US 20100875663, WO 2010047839, US 20100875849, and WO 2010047867. Each entry includes a "National Search Report" or "International Search Report" link and a list of related patent citations. On the right side, there is an "Inspector: classifications and fields searched" panel. This panel shows the "Classifications" for the selected patent, listing IPC and CPC codes for EP, US, and WO. It also shows the "Fields searched" for the WO entry, which includes IPC classes C12Q and C07H.

Common Citation Document

Family Members

Search Report Citations

Fields Searched

Outline

1. Facts & Main functionalities
2. Online access
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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

B. FIELDS SEARCHED
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.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
B earlier document published on or after the international filing date	*X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
O document referring to an oral disclosure, use, exhibition or other means	*A* document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
20 MAY 2000

Date of mailing of the international search report
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 *Joni Hill*
Telephone No. (703) 305-3900

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

Classification of S-M

Fields searched

Documents considered to be relevant

Outline

1. Facts & Main functionalities
2. Online access
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5. **CCD Initial Output**
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CCD Initial Output

EP20090151293

Hide CCD viewer Double inspector Timeline

CCD Viewer

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#	CC	Cat.	Citation details	Claims
1	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000	
	X		<p>National Search Report</p> <p><i>PADIS - An automatic telephone switchboard and directory information system</i></p> <p>Authors: Kallner A, Rueber B, Seide F, Tran B-H</p> <p>Publication data: SPEECH COMMUNICATION, 19971001 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL</p> <p>Source info: Vol: 23, Nr: 1-2, Page(s): 95 - 111</p> <p>Abstract</p> <p>Page 105, column R, paragraph L - page 106, column L, paragraph 3</p> <p>Figure 8</p> <p>National Examination</p> <p>WO9821679 A1 (MICROSOFT CORP [US]) - 22 May 1998</p>	1
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000	
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
5	cn		Application N° CN10000014516A (CN10000014516) - 4 February 2000	
			<p>Figure 8</p> <p>Non-patent literature</p> <p>See also references of WO 0046792A1</p>	
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000	
7	US		Application N° US20000495722 (US09495722) - 1 February 2000	
			<p>National Search Report</p> <p>US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998</p> <p>US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999</p> <p>US5983221 A (WORDSTREAM INC [US]) - 9 November 1999</p> <p>Non-patent literature</p> <p>ACM Multimedia. Hemphill et al., "Speech-Aware Multimedia", 1996, pp. 74-78</p> <p>Applicant</p> <p>US4445187 A (BEST ROBERT M) - 24 April 1984</p> <p>US5197005 A (INTELLIGENT BUSINESS SYSTEMS [US]) - 23 March 1993</p> <p>US5265065 A (WEST PUBLISHING CO [US]) - 23 November 1993</p> <p>US5369575 A (IBM [US]) - 29 November 1994</p> <p>US5418948 A (WEST PUBLISHING CO [US]) - 23 May 1995</p> <p>US5454106 A (IBM [US]) - 26 September 1995</p> <p>US5555169 A (HITACHI LTD [JP]) - 10 September 1996</p> <p>US5555408 A (HITACHI LTD [JP]) - 10 September 1996</p>	

Simple families: 2 Total family members: 8 Get all family members

Inspector: classifications and fields searched

Classifications

EP

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

AT

IPC G06F17/28, G10L15/18, G10L13/00, G10L13/08, G10L15/00, G10L15/22

EC G10L15/22

AU

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

CA

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

JP

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

US

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

UC 704/E13.04, 704/257, 704/275

EC G10L15/22

WO

IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

Fields searched

EP

IPC G10L

Documents considered to be relevant

Fields searched

Inspector(s)

CCD VIEWER

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How do we get there

Number: EP1612402 Search examples: EP1612402, US2006000447A1, JP20090214944

EP20040425480

Hide CCD viewer Single Inspector Timeline

CCD Viewer Application EP20040425480 Application JP20050120087

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#	CC	Cat.	Citation details	Claims
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3	DE		Application N° DE200460002105T (DE602004002105) - 30 June 2004	

20050095425 US6739317 (US20050095425) US6889656 (US20050095425)

5) DE10345154 (EP20040425480) JP20050120087

JP2004124727 (JP20090214944) US20050095425

US6823945 (US20050095425)

DE10345154 (US20050095425)

JP2004011448 (JP20090214944)

Timeline: Q3 Q4 2004 Q2 Q3 Q4 2005 Q2 Q3 Q4 2006 Q2 Q3

Simple families: 1 Total family members: 7

Application EP20040425480

Biblio Description Claims Original document

Full document: EP 1612402 A1

European Patent Office
Office européen des brevets
EP 1 612 402 A1

EUROPEAN PATENT APPLICATION

(43) Date of publication: 05.07.2006 Bulletin 2006/28
(11) Application number: 04254803
(22) Date of filing: 30.06.2004

(84) Original 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 Contracting States: AL HR LT LV MK

(71) Applicant: C.R.F. Scavia Conserte per Adesi 10043 Orlonovo (IT)

(72) Inventor: Rocco Marzi, S.P. Casimirovna km 3 (IT), De Mattiava, Sisto Luigi, 70010 Valsusa, S.P. Casimirovna km 3 (IT)

(73) Patent Attorneys: Baggio, Luigi et al STUDIO TORITA S.r.l., Via Vares, 8 10121 Torino (IT)

(54) A high-pressure variable-flow-rate pump for a fuel-injection system

(57) The high-pressure pump (1) comprises a number of pumping elements (10) adapted to reciprocating motion through corresponding intake and delivery strokes. Each pumping element (10) is provided with corresponding intake valve (25), in communication with an intake port (11), supplied by a low-pressure pump (3), arranged on the intake pipe (12) in a shut-off valve (27) controlled in a controlled way, in synchronism with an intake port (32, 33) of the suction stroke of each pumping element (10).

Fig. 1

Application JP20050120087

Biblio Description Claims Original document

Full document: JP 2006017109 (A)

(10) 自動車用燃料ポンプ (12) 公共用特許公報(A) (31) 特許公報出願番号: 特開2006-17109 (32) 特許公報出願日: 2005.6.10

(30) 優先権の主張: 特開2005-12947 (33) 出願番号: 2005.6.10 (34) 出願日: 2005.6.10 (35) 特許庁長官の発布: 2006.6.29 (36) 特許権の取得: 2006.6.29 (37) 特許権の存続期間: 20年

(71) 出願人: 株式会社デンソー (72) 発明者: 佐藤 隆夫 (73) 特許代理人: 特許事務所 丸山 隆夫

(54) 燃料噴射装置用高圧可変流量燃料ポンプ

(57) 【課題】 燃費が向上し、コストが低減し、燃料噴射に用いる燃料ポンプの入力圧を容易に且つ確実に調整可能な高圧可変流量燃料ポンプを提供すること。【解決手段】 往復運動する複数の燃料ポンプ要素(10)が直列に並べられて複数の燃料ポンプ要素(10)から構成される、当該各燃料ポンプ要素(10)は、低圧ポンプ(3)から燃料供給される、吸入管(11)と吐出管(12)とを有するポンプ要素(10)が設けられており、吸入管(11)は、吸入管(11)の途中に吸入管(11)が閉鎖されるように、且つ各燃料ポンプ要素(10)の吐出管(12)が接続されるシャットオフバルブ(27)が設けられている。【効果】

CCD Viewer : Expanded View

- The citations are also grouped by the phase at which they were retrieved, here "National Search Report", and "National Examination", but also e.g. "Applicant"

EP20090151293

Hide CCD viewer Double inspector Timeline

CCD Viewer

Citations only view **Compact view** Sort by country Filter

Classifications & fields searched

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-	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000	
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			National Examination	
2	AT		WO9821679 A1 (MICROSOFT CORP [US]) - 22 May 1998	
			Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000	
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000	
			National Search Report	
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7	US		Application N° US20000495722 (US09495722) - 1 February 2000	
			National Search Report	

CCD Viewer: Compact View

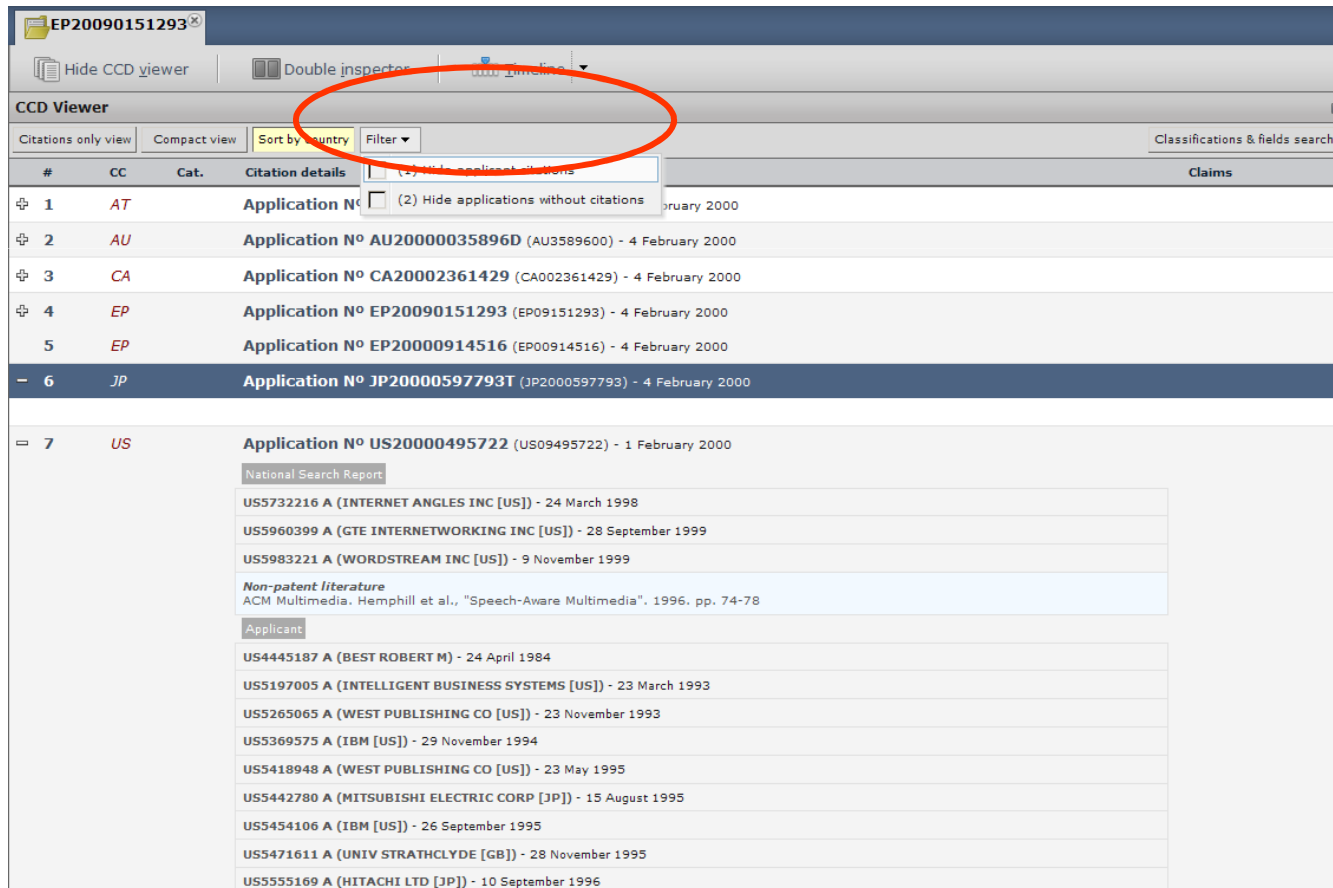
- All the citations are hidden; click "expand view" or the "+" to switch to compact view

The screenshot shows the CCD Viewer interface for patent EP20090151293. The interface includes a toolbar with options like 'Hide CCD viewer', 'Double inspector', and 'Timeline'. Below the toolbar, there are tabs for 'Citations only view' and 'Expand view', with 'Expand view' being the active tab. A table of citations is displayed with the following columns: '#', 'CC', 'Cat.', 'Citation details', and 'Claims'. The first row of the table is highlighted in blue and has a '+' icon in the '#' column, which is circled in red. The other rows are greyed out, indicating they are hidden.

#	CC	Cat.	Citation details	Claims
+	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000	
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000	
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000	
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000	
7	US		Application N° US20000495722 (US09495722) - 1 February 2000	
8	WO		Application N° WO2000US02906 (WOUS0002906) - 4 February 2000	

CCD Viewer : Filtering (1/2)

- It is possible to filter our applications without citations (here the JP), and applicant's citation (here from the US application) using the filters



The screenshot shows the CCD Viewer interface for patent application EP20090151293. The interface includes a header with the application number and a toolbar with options like 'Hide CCD viewer', 'Double inspector', and 'Link to application'. Below the toolbar, there are tabs for 'Citations only view', 'Compact view', 'Sort by country', and 'Filter'. A red circle highlights the 'Filter' dropdown menu. The main content area displays a list of applications with columns for '#', 'CC', 'Cat.', 'Citation details', and 'Claims'. The list includes applications from AT, AU, CA, EP, JP, and US. The US application (US20000495722) is expanded, showing a 'National Search Report' with citations from US5732216 A, US5960399 A, and US5983221 A, as well as 'Non-patent literature' from ACM Multimedia and an 'Applicant' section listing various US patents.

#	CC	Cat.	Citation details	Claims
1	AT		Application N° (2) Hide applications without citations	
2	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000	
3	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
4	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000	
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000	
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000	
7	US		Application N° US20000495722 (US09495722) - 1 February 2000	

National Search Report

- US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998
- US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999
- US5983221 A (WORDSTREAM INC [US]) - 9 November 1999

Non-patent literature

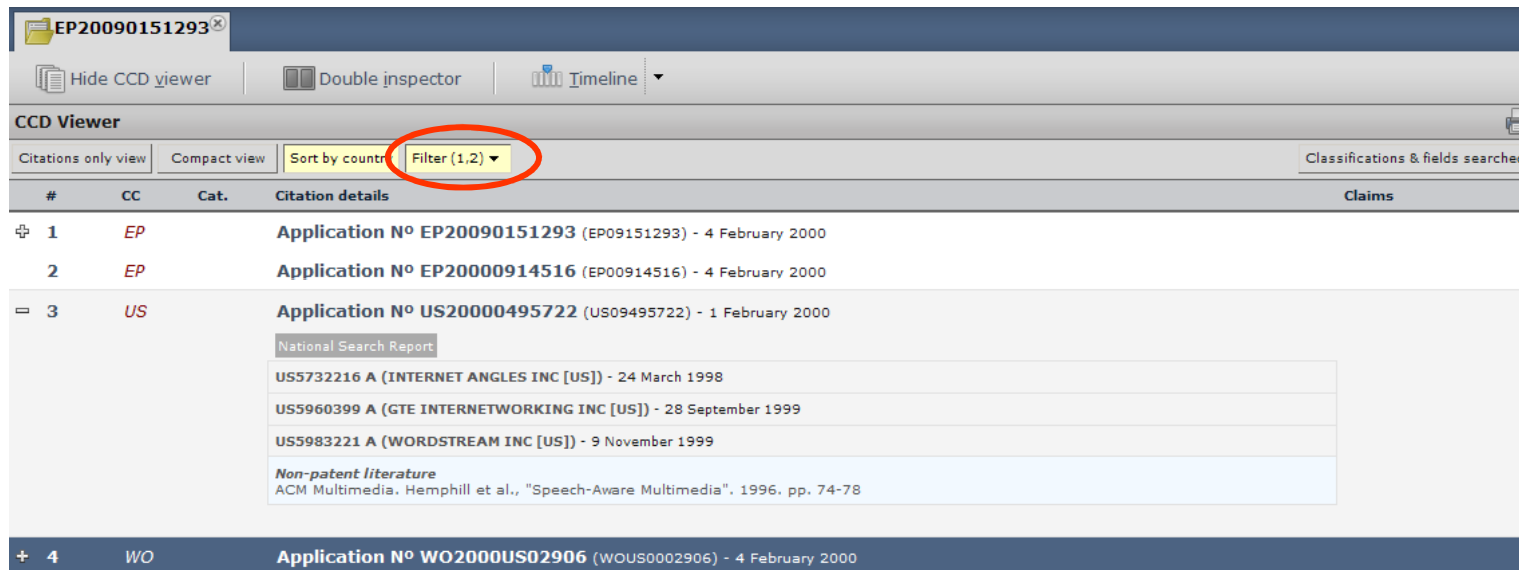
- ACM Multimedia. Hemphill et al., "Speech-Aware Multimedia". 1996, pp. 74-78

Applicant

- US4445187 A (BEST ROBERT M) - 24 April 1984
- US5197005 A (INTELLIGENT BUSINESS SYSTEMS [US]) - 23 March 1993
- US5265065 A (WEST PUBLISHING CO [US]) - 23 November 1993
- US5369575 A (IBM [US]) - 29 November 1994
- US5418948 A (WEST PUBLISHING CO [US]) - 23 May 1995
- US5442780 A (MITSUBISHI ELECTRIC CORP [JP]) - 15 August 1995
- US5454106 A (IBM [US]) - 26 September 1995
- US5471611 A (UNIV STRATHCLYDE [GB]) - 28 November 1995
- US5555169 A (HITACHI LTD [JP]) - 10 September 1996

CCD Viewer : Filtering (2/2)

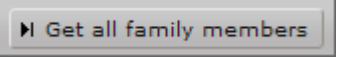
- The JP application, and the applicant's citations of the US application are hidden

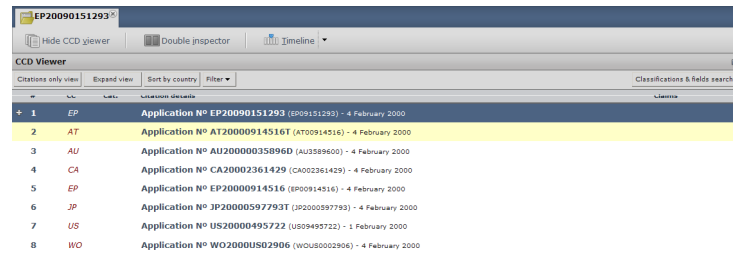


The screenshot shows the CCD Viewer interface for application EP20090151293. The 'Filter (1,2)' dropdown is circled in red. The table below shows the filtered results:

#	CC	Cat.	Citation details	Claims
+	1	EP	Application N° EP20090151293 (EP09151293) - 4 February 2000	
	2	EP	Application N° EP20000914516 (EP00914516) - 4 February 2000	
=	3	US	Application N° US20000495722 (US09495722) - 1 February 2000 National Search Report US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998 US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999 US5983221 A (WORDSTREAM INC [US]) - 9 November 1999 Non-patent literature ACM Multimedia, Hemphill et al., "Speech-Aware Multimedia". 1996. pp. 74-78	
+	4	WO	Application N° WO2000US02906 (WOUS0002906) - 4 February 2000	

CCD Viewer : Family members

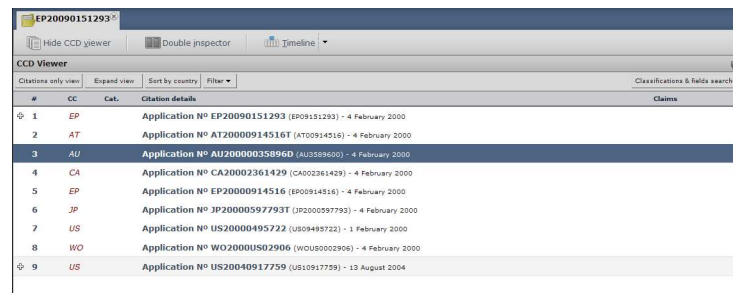
- By default CCD will retrieve the simple family. It is however possible to retrieve extended family and to view all simple families and their members; this requires clicking the  button at the bottom of the CCD Viewer.
 - In this example the simple family has 8 members



The screenshot shows the CCD Viewer interface for application EP20090151293. The 'Citation details' table lists 8 family members:

#	CC	Cat.	Citation details
1	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000
3	AU		Application N° AU2000035896D (AU3589600) - 4 February 2000
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000
7	US		Application N° US20000495722 (US99495722) - 1 February 2000
8	WO		Application N° WO20000502906 (WO00002906) - 4 February 2000

- getting all the family members adds a family, with a single member



The screenshot shows the CCD Viewer interface for application EP20090151293. The 'Citation details' table lists 9 family members, including an additional member:

#	CC	Cat.	Citation details
1	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000
3	AU		Application N° AU2000035896D (AU3589600) - 4 February 2000
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000
7	US		Application N° US20000495722 (US99495722) - 1 February 2000
8	WO		Application N° WO20000502906 (WO00002906) - 4 February 2000
9	US		Application N° US20040917759 (US10917759) - 13 August 2004

CCD Viewer: Citations Only

- To view the citations as list, rather than grouped by applications, extended family

The screenshot shows the CCD Viewer interface for patent EP20040425475. The 'Citations only view' button is highlighted with a red circle. The table below displays the citation details for various patent applications.

Application	cat.	Citation details	Claims
US20060441641		US2006011736 A1 (FIAT RICERCHE [IT]) - 19 January 2006	
US20050171659		US2007205302 A1 (FIAT RICERCHE [IT]) - 6 September 2007	
US20050171659		US7219656 B2 (FIAT RICERCHE [IT]) - 22 May 2007	
EP20060114551	X P	EP1612403 A1 (FIAT RICERCHE [IT]) - 4 January 2006 Column 2, paragraph 14 - column 3, paragraph 20 Figure 1 Column 5, paragraph 35	1-19 1-19
US20060441641		EP1612403 A1 (FIAT RICERCHE [IT]) - 4 January 2006	
US20060441641		EP1612403 A1 (FIAT RICERCHE [IT]) - 4 January 2006	
US20050171659		US6905083 B2 (FIAT RICERCHE [IT]) - 14 June 2005	
US20050171659		US6889918 B2 (DELPHI TECH INC [US]) - 10 May 2005	
US20070741474		US6845756 B2 (BOSCH GMBH ROBERT [DE]) - 25 January 2005	
US20050112772		US6837221 B2 (CUMMINS INC [US]) - 4 January 2005	
US20070741474		US6837221 B2 (CUMMINS INC [US]) - 4 January 2005	
US20050171659		US6837221 B2 (CUMMINS INC [US]) - 4 January 2005	
US20050171658		US6837221 B2 (CUMMINS INC [US]) - 4 January 2005	
US20060441641		US6837221 B2 (CUMMINS INC [US]) - 4 January 2005	
US20070741474		US6745952 B1 (BOSCH GMBH ROBERT [DE]) - 8 June 2004	
US20050171659		US2004050954 A1 (TOYOTA MOTOR CO LTD [JP]) - 18 March 2004	
US20050112772		US6705291 B2 (BOSCH GMBH ROBERT [DE]) - 16 March 2004	

The Inspector (1/3)

- Selecting e.g. the EP application, sends it to the first inspector (and replaces the class/fields viewer if it was displayed)

The screenshot displays the 'The Inspector' interface for the European Patent Office. The main window is titled 'EP20090151293' and contains a 'CCD Viewer' on the left and a detailed view of the selected application on the right.

CCD Viewer (Left Panel):

#	CC	Cat.	Citation details	Claims
1	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000	
		X	National Search Report <i>PADIS - An automatic telephone switchboard and directory information system</i> Authors: Kellner A, Rueber B, Seide F, Tran B-H Publication data: SPEECH COMMUNICATION, 19971001 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL Source info: Vol: 23, Nr: 1-2, Page(s): 95 - 111 Abstract Page 105, column R, paragraph L - page 106, column L, paragraph 3 Figure 8	1
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU2000035896D (AU3589600) - 4 February 2000	
4	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
5	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000	
			National Search Report <i>PADIS - An automatic telephone switchboard and directory information system</i> Authors: Kellner A, Rueber B, Seide F, Tran B-H Publication data: SPEECH COMMUNICATION, 19971001 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL Source info: Vol: 23, Nr: 1-2, Page(s): 95 - 111 [X] 1, 6, 11, 16, 22 Abstract Page 105, column R, paragraph L - page 106, column L, paragraph 3 Figure 8	
			Non-patent literature See also references of WO 0046792A1	
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000	
7	US		Application N° US2000495722 (US09495722) - 1 February 2000	
			National Search Report US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998 US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999 US5983221 A (WORDSTREAM INC [US]) - 9 November 1999	
			Non-patent literature ACM Multimedia, Hemphill et al., "Speech-Aware Multimedia", 1996, pp. 74-78	
			Applicant US4445187 A (BEST ROBERT M) - 24 April 1984 US5197005 A (INTELLIGENT BUSINESS SYSTEMS [US]) - 23 March 1993 US5265065 A (WEST PUBLISHING CO [US]) - 23 November 1993 US5369575 A (IBM [US]) - 29 November 1994	

Application EP20090151293 (Right Panel):

Bibliographic data: EP 2085963 (A1)

System and method for bilateral communication between a user and a system

Publication date: 5 August 2009

Inventor(s): LUCENTE MARK [US]; POLISH NATHANIEL [US]

Applicant(s): SOLQUE SOFTWARE LTD LIABILITY [US]

Classifications: **International:** G06F17/28; G10L15/18; G10L13/00; G10L13/08; G10L15/00; G10L15/22
European: G10L15/22

Application number: EP20090151293 20000204

Priority number(s): EP20000914516 20000204
US19990118800P 19990204
US20000495722 20000201

Abstract of EP 2085963 (A1)

A method for a human machine communication system that includes the steps of receiving a first statement in a natural language from a user, generating first information based on the statement and storing context information of at least one of the first statement and the first information. The method also includes the steps of optionally generating a question to be presented to the user in the natural language based on the context information, receiving a second statement in the natural language from the user and generating second information based on the second statement and the context information.

Simple families: 2 Total family members: 8 Get all family members

The Inspector (2/3)

- It is possible to visualise any application, or its citations in one of the two inspectors (right click over reference, e.g. the EP, select inspector)

The screenshot displays the EP20090151293 application page. The main window is titled "EP20090151293" and contains a "CCD Viewer" and an "Inspector" section. The "CCD Viewer" shows a list of citations with columns for "#", "CC", "Cat.", and "Citation details". The first citation is highlighted, and a context menu is open over it, showing options "Show in inspector 1" and "Show in inspector 2", both of which are circled in red. The "Inspector" section shows the classification and fields searched for the application, including IPC and G10L codes.

#	CC	Cat.	Citation details
1	EP		Application N° EP20000495722
2	AT		
3	AU		
4	CA		
5	EP		
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000
7	US		Application N° US20000495722 (US09495722) - 1 February 2000

Inspector: classifications and fields searched

IPC: G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

G10L15/22

Fields searched

EP

IPC: G10L

The Inspector (3/3)

- It is possible to visualise any application, or its citations in one of the two inspectors (right click over reference)

The screenshot displays the EPO Inspector interface. On the left, a search for EP20040425480 is shown. The main pane lists citations, including national search reports and foreign applications in various languages (DE, FR, IT, JP, ES, US). On the right, a preview of JP2004011448.A is shown, featuring a table of classification codes, publication details, and a technical diagram with numbered parts.

CC	Cat.	Citation details	Claims
1	EP	Application N° 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 N° AT20040425480T (AT04425480) - 30 June 2004	
3	DE	Application N° DE200460002105T (DE602004002105) - 30 June 2004	
4	ES	Application N° ES20040425480T (ES04425480) - 30 June 2004	
5	JP	Application N° JP20050120087 (JP2005120087) - 18 April 2005	
6	JP	Application N° JP20090214944 (JP2009214944) - 16 September 2009 National Examination	
		JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004	
		JP2004124727 A (DENSO CORP) - 22 April 2004 JPH01160164 U JP11230005 A (NIPPON SOKEN, et al) - 24 August 1999 JP10299611 A (NIPPON SOKEN) - 10 November 1998 JP2001107776 A (NISSAN MOTOR) - 17 April 2001 JP2000130288 A (TOYOTA MOTOR CORP) - 9 May 2000	
7	US	Application N° US20050095425 (US11095425) - 31 March 2005 National Search Report	
		US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985 US4884545 A (IVECO FIAT [IT], et al) - 5 December 1989 US4957084 A (BOSCH GMBH ROBERT [DE]) - 18 September 1990 US5619970 A (LUCAS IND PLC [GB]) - 15 April 1997	

The Double Inspector

- As an example, the first patent literature citation of a US family member sent to the both first (image) and second (text) inspector

Number: EP1612402 Search examples: EP1612402, US2006000447A1, JP20090214944

EP20040425480

Hide CCD viewer Single inspector Timeline

CCD Viewer US4501246.A (US20050095425) US4501246.A (US20050095425)

Citations only view Compact view Sort by country Filter Classifications & fields searched

#	CC	Cat.	Citation details	Claims
1	EP		Application N° 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 N° AT20040425480T (AT04425480) - 30 June 2004	
3	DE		Application N° DE200460002105T (DE602004002105) - 30 June 2004	
4	ES		Application N° ES20040425480T (ES04425480) - 30 June 2004	
5	JP		Application N° JP20050120087 (JP2005120087) - 18 April 2005	
6	JP		Application N° JP20090214944 (JP2009214944) - 16 September 2009 National Examination	
			JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004	
			JP2004124727 A (DENSO CORP) - 22 April 2004	
			JPH01160164 U	
			JP11230005 A (NIPPON SOKEN, et al) - 24 August 1999	
			JP10299611 A (NIPPON SOKEN) - 10 November 1998	
			JP2001107776 A (NISSAN MOTOR) - 17 April 2001	
			JP2000130288 A (TOYOTA MOTOR CORP) - 9 May 2000	
7	US		Application N° US20050095425 (US11095425) - 31 March 2005 National Search Report	
			US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985	
			US4884545 A (IVECO FIAT [IT], et al) - 5 December 1989	
			US4957084 A (BOSCH GMBH ROBERT [DE]) - 18 September 1990	
			US5619970 A (LUCAS IND PLC [GB]) - 15 April 1997	

Full document: US 4501246 (A)

U.S. Patent Feb. 26, 1985 Sheet 1 of 2 4,501,246

FIG. 1

Full document: US 4501246 (A)

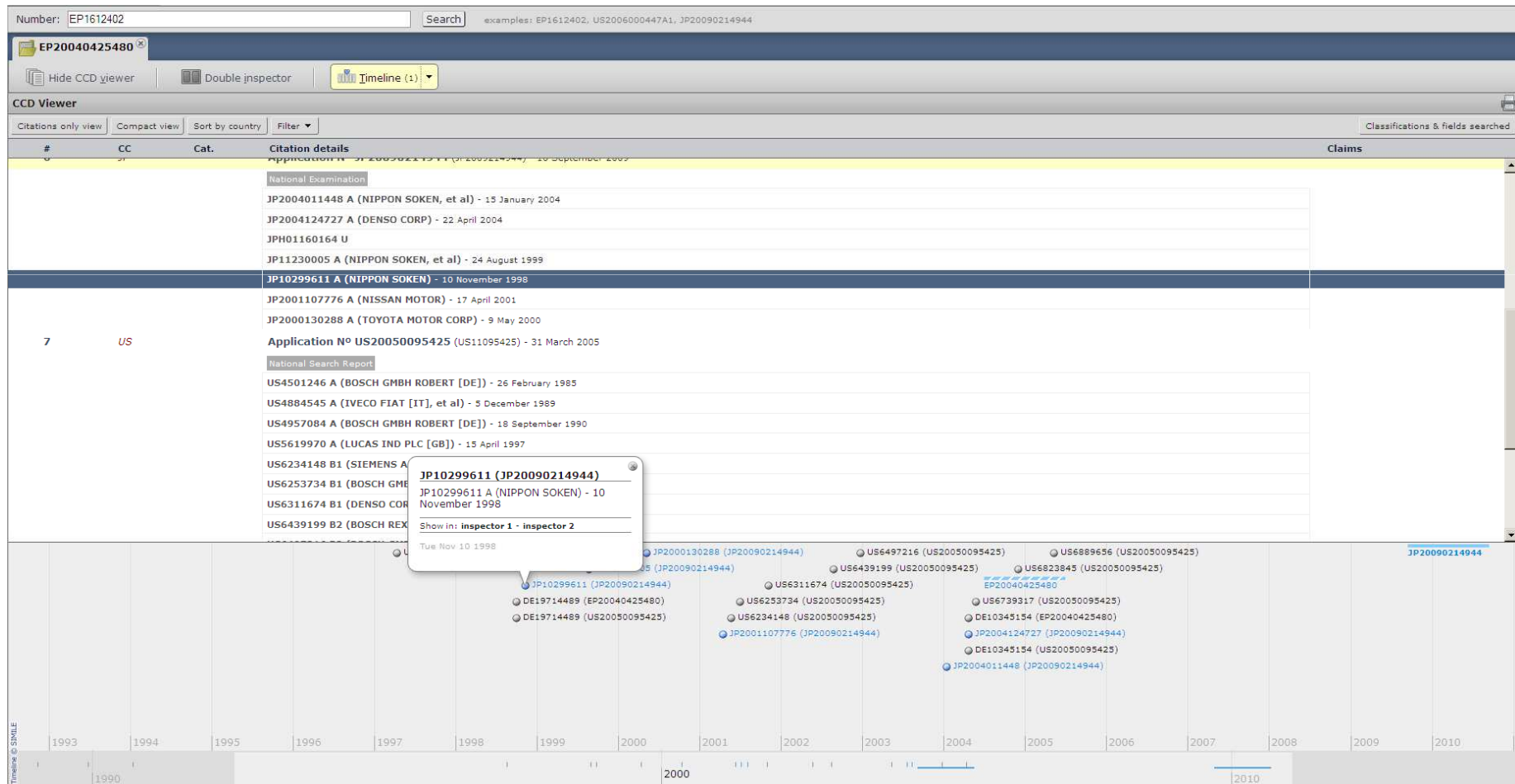
U.S. Patent Feb. 26, 1985 Sheet 2 of 2 4,501,246

FIG. 2

Page 2/5 - DRAWINGS Page 3/5

The Timeline

- The timeline shows a 2D relative representation of family members and their citations.



Find Families and Citations



Overview citation data in EPO's citation data base (REFI)								Citation Origin								Cat
Status : 07 April 2014								APP	SEA	TPO	EXA	OPP	PRS	FOP	APL	
CC	Country	First publication number	First publication date	Number of citing publications	Number of cited patents	Number of cited non-patents	Number of cited applications	Applicant Search	3rd Party Observation	Examination	Opposition	PR, SR Result	Filed by Opponent	Appeal	Relevance Ind.	
AP	ARIPO	1	03-07-1985	2 752	6 293	802		N	Y	N	N	N	N	N	N	
AT	AUSTRIA	373757	27-02-1984	42 740	141 848	3 892		N	Y	N	N	N	N	N	N	
AU	AUSTRALIA	411295	18-03-1971	303 705	765 100	56 267		N	Y	N	N	N	N	N	N	
BE	BELGIUM	1000039	15-12-1987	13 491	57 438	6 357	11	Y	Y	N	N	N	N	N	Y	
BG	BULGARIA	693	29-10-2004	1 607	4 443	3		N	Y	N	N	N	N	N	N	
CH	SWITZERLAND	370301	30-06-1963	5 818	26 740	1 524	1	Y	Y	N	N	N	N	N	Y	
CN	CHINA	101718236	10-02-2010	20 213	77 987	13 162		N	Y	N	N	N	N	N	N	
CY	CYPRUS	2418	12-11-2004	15	63	3		Y	Y	N	N	N	N	N	Y	
CZ	CZECH	298900	16-11-2005	7 375	28 590	2 313		N	Y	N	N	N	N	N	N	
DE	GERMANY	738624	18-09-1943	1 594 598	5 913 020	656 734	142	Y	Y	N	N	N	N	N	N	
DK	DENMARK	80501	06-02-1956	3 073	9 384	17		Y	Y	N	N	N	N	N	N	
EA	EURASIAN	1	31-03-1997	12 954	55 091	10 379		N	Y	N	N	N	N	N	N	
EP	EUROPEAN PATENT OFFICE	1	20-12-1978	1 857 450	8 159 450	2 434 897	53 398	Y	Y	Y	Y	N	N	N	Y	
ES	SPAIN	2028828	01-05-1992	44 884	186 231	23 305		N	Y	N	N	N	N	N	Y	
FI	FINLAND	82743	31-12-1990	8	43	12		N	Y	N	N	N	N	N	N	
FR	FRANCE	2000037	29-08-1969	620 307	2 309 748	282 100	825	Y	Y	N	N	N	N	N	Y	
GB	GREAT BRITAIN	2000001	04-01-1979	510 360	2 041 727	91 325		N	Y	N	N	N	N	N	N	
GR	GREECE	88100007	16-12-1988	2 838	10 432	3 392	5	Y	Y	N	N	N	N	N	Y	
IT	ITALY	FG20080007	01-10-2008	38 503	162 960	11 126		N	Y	N	N	N	N	N	Y	
JP	JAPAN	40031998	09-11-1965	4 127 995	13 527 933	194 088		N	Y	N	Y	Y	N	Y	N	
KR	KOREA	100543323	07-01-2006	455 289	1 392 875	3 118		N	Y	N	Y	N	N	N	N	
LU	LUXEMBOURG	90189	16-12-1998	681	2 961	373		Y	Y	N	N	N	N	N	Y	
MY	MALAYSIA	115077	31-03-2003	763	2 739	11		N	Y	N	N	N	N	N	N	
NL	NETHERLANDS	58971	15-02-1947	27 705	123 081	12 312	52	Y	Y	N	N	N	N	N	Y	
NO	NORWAY	20082451	01-12-2009	60	217	48		N	Y	N	N	N	N	N	Y	
RU	RUSSIA	1840851	20-01-2013	24 858	117 857	11 601		N	Y	N	N	N	N	N	N	
SG	SINGAPORE	49813	20-03-2001	11 701	41 298	788		N	Y	N	N	N	N	N	N	
TR	TURKEY	22295	07-01-1987	3 326	13 117	2 832		Y	Y	N	N	N	N	N	Y	
US	UNITED STATES OF AMERICA	2413742	07-01-1947	7 112 478	86 269 914	17 036 862		Y	Y	N	N	N	Y	N	N	
WO	WIPO	7800001	19-10-1978	2 379 827	13 627 980	3 288 084	76 387	Y	Y	N	N	N	N	N	Y	
Total				19 227 180	135 075 550	24 147 527	130 821									

- 30 Countries
- 19 M forward citations
- 131 M backward citations
- 24 M NPL citations

Data Coverage (2/2)

- Overview citation data (**EPO**, **JPO**, **USPTO**, **KIPO** and **WIPO**)

Overview citation data in EPO's citation data base (REFI)								Citation Origin								Cat
Status : 08 January 2014								APP	SEA	TPO	EXA	OPP	PRS	FOP	AFL	
CC	Country	First publication number	First publication date	Number of citing publications	Number of cited patents	Number of cited non-patents	Number of cited applications	Applicant	Search	3rd Party Observation	Examination	Opposition	PR. SR Result	Filed by Opponent	Appeal	Relevance ind.
EP	EUROPEAN PATENT OFFICE	1	20-12-1978	1 834 570	8 035 863	2 393 605	52 226	Y	Y	Y	Y	Y	N	N	N	Y
JP	JAPAN	40031998	09-11-1965	4 061 392	13 111 398	173 720		N	Y	N	Y	Y	N	Y	Y	N
KR	KOREA	100543323	07-01-2006	443 328	1 355 485	2 526		N	Y	N	Y	N	N	N	N	N
US	UNITED STATES OF AMERICA	2413742	07-01-1947	6 956 658	83 722 117	16 401 082		Y	Y	N	N	N	Y	N	N	N
WD	WIPO	7800001	19-10-1978	2 314 496	13 254 040	3 195 979	72 088	Y	Y	N	N	N	N	N	N	Y

Outline

- ✓ Facts & Main functionalities
- ✓ Online access
- ✓ The input mask
- ✓ The PCT/ISA/210 model
- ✓ CCD Initial Output
- ✓ Features of the CCD web application :
 - ✓ CCD Viewer
 - ✓ The Inspector
 - ✓ The Double Inspector
 - ✓ The Timeline
 - ✓ Data Coverage