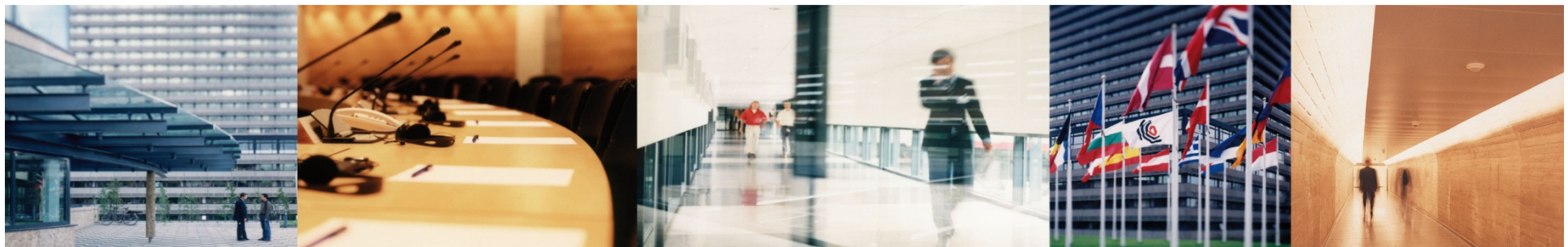




Roadmap CCD 2012

Trilateral User Meeting
13 April 2012

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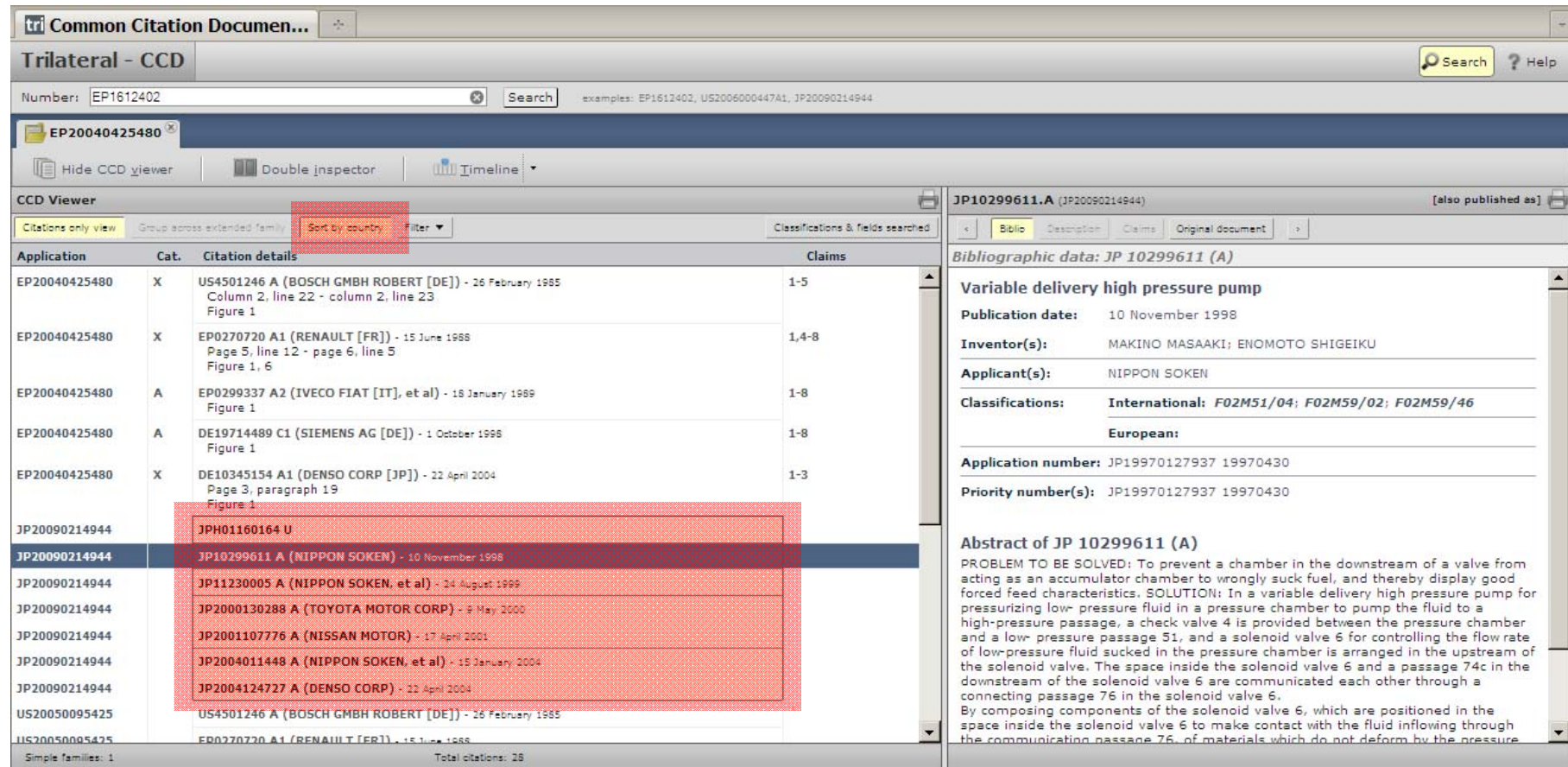


Improvements since Launch

- Printing support
- "Citation Only View" improvements:
 - emphasis of related items in the citation only view.
 - "Citation only view" sorted by default in reverse chronological order.
 - In the "citation only view" replaced the "sort by date" by the "sort by country" function.
- Multiple timeline views, to manage complex timelines.
- Basic help instructions in the opening screen.
- CCD Application corrections: document display, Web Browser support

Improvements since Launch

- "Citation Only View" improvements:
 - emphasis of related items in the citation only view.
 - "Citation only view" sorted by default in reverse chronological order.
 - In the "citation only view" replaced the "sort by date" by the "sort by country" function.



The screenshot shows the Trilateral CCD viewer interface. The top navigation bar includes a search bar with the number EP1612402 and a search button. Below the search bar, the main content area is divided into two panes. The left pane, titled "CCD Viewer", displays a list of citations for the application EP20040425480. The list is sorted by country, as indicated by the "Sort by country" button. The citations are listed in reverse chronological order, with the most recent citation (JP10299611.A) highlighted in blue. The right pane, titled "JP10299611.A (JP20090214944)", displays bibliographic data for this citation, including the title "Variable delivery high pressure pump", publication date (10 November 1998), inventor(s) (MAKINO MASAOKI; ENOMOTO SHIGEIKU), applicant(s) (NIPPON SOKEN), and classifications (International: F02M51/04; F02M59/02; F02M59/46). The abstract of JP 10299611 (A) is also visible at the bottom of the right pane.

Application	Cat.	Citation details	Claims
EP20040425480	X	US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985 Column 2, line 22 - column 2, line 23 Figure 1	1-5
EP20040425480	X	EP0270720 A1 (RENAULT [FR]) - 15 June 1988 Page 5, line 12 - page 6, line 5 Figure 1, 6	1,4-8
EP20040425480	A	EP0299337 A2 (IVECO FIAT [IT], et al) - 18 January 1989 Figure 1	1-8
EP20040425480	A	DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1996 Figure 1	1-8
EP20040425480	X	DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004 Page 3, paragraph 19 Figure 1	1-3
JP20090214944		JPH01160164 U	
JP20090214944		JP10299611 A (NIPPON SOKEN) - 10 November 1998	
JP20090214944		JP11230005 A (NIPPON SOKEN, et al) - 24 August 1999	
JP20090214944		JP2000130288 A (TOYOTA MOTOR CORP) - 5 May 2000	
JP20090214944		JP2001107776 A (NISSAN MOTOR) - 17 April 2001	
JP20090214944		JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004	
JP20090214944		JP2004124727 A (DENSO CORP) - 22 April 2004	
US20050095425		US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985	
US20050095425		EP0270720 A1 (RENAULT [FR]) - 15 June 1988	

Bibliographic data: JP 10299611 (A)

Variable delivery high pressure pump

Publication date: 10 November 1998

Inventor(s): MAKINO MASAOKI; ENOMOTO SHIGEIKU

Applicant(s): NIPPON SOKEN

Classifications: International: F02M51/04; F02M59/02; F02M59/46
European:

Application number: JP19970127937 19970430

Priority number(s): JP19970127937 19970430

Abstract of JP 10299611 (A)

PROBLEM TO BE SOLVED: To prevent a chamber in the downstream of a valve from acting as an accumulator chamber to wrongly suck fuel, and thereby display good forced feed characteristics. SOLUTION: In a variable delivery high pressure pump for pressurizing low-pressure fluid in a pressure chamber to pump the fluid to a high-pressure passage, a check valve 4 is provided between the pressure chamber and a low-pressure passage 51, and a solenoid valve 6 for controlling the flow rate of low-pressure fluid sucked in the pressure chamber is arranged in the upstream of the solenoid valve. The space inside the solenoid valve 6 and a passage 74c in the downstream of the solenoid valve 6 are communicated each other through a connecting passage 76 in the solenoid valve 6. By composing components of the solenoid valve 6, which are positioned in the space inside the solenoid valve 6 to make contact with the fluid inflowing through the communication passage 76 of materials which do not deform by the pressure

Improvements since Launch

- Multiple timeline views, to manage complex timelines

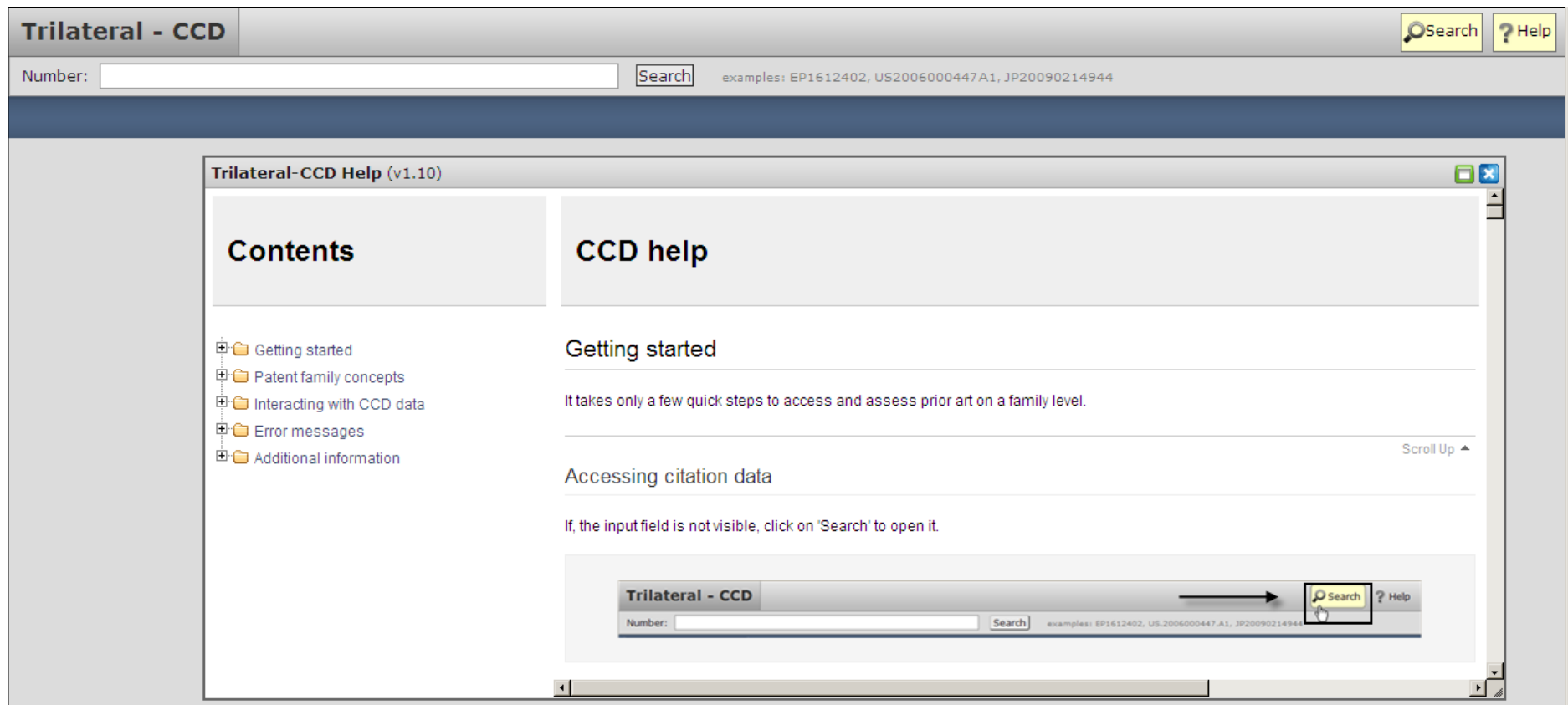
#	CC	Cat.	Citation details	Claims
1	US		Application N° US20030174864F (US29174864) - 24 January 2003	
2	US		Application N° US20030174698F (US29174698) - 24 January 2003	
3	US		Application N° US20020173100F (US29173100) - 24 December 2002	
4	US		Application N° US20020173102F (US29173102) - 24 December 2002	
5	US		Application N° US20020173103F (US29173103) - 24 December 2002	

Timeline © SIMILE

Simple families: 3 Total family members: 5

Improvements since Launch

- Basic help instructions in the opening screen



The screenshot displays the Trilateral - CCD web application interface. At the top, there is a header bar with the title "Trilateral - CCD" on the left and "Search" and "Help" buttons on the right. Below the header, a search input field is labeled "Number:" and contains a "Search" button. To the right of the input field, example patent numbers are listed: "examples: EP1612402, US2006000447.A1, JP20090214944".

The main content area is divided into two columns. The left column is titled "Contents" and lists several topics with expandable icons: "Getting started", "Patent family concepts", "Interacting with CCD data", "Error messages", and "Additional information". The right column is titled "CCD help" and contains the following text:

Getting started

It takes only a few quick steps to access and assess prior art on a family level.

Scroll Up ▲

Accessing citation data

If, the input field is not visible, click on 'Search' to open it.

Below this text, there is a screenshot of the application's search interface. This inset screenshot shows the "Trilateral - CCD" header, the search input field, and the "Search" button. A red arrow points from the "Search" button in the inset to the "Search" button in the main application header, indicating that clicking the button in the header opens the search interface.

Spring 2012

- Current CCD Data coverage overview: 15,4 million patent records, 101 million patent references cited

Overview citation data in EPO's citation data base (REFI)								Citation Origin					
Status : 15 January 2012								APP (1)	SEA (0)	115 (4)	EXA (2)	OPP (3)	CAT
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	Article 115	Examination	Opposition	Relevance Ind.
AP	ARIPO	1	03-07-1985	2 205	4 798	537		N	Y	N	N	N	N
AU	AUSTRALIA	411295	18-03-1971	252 164	624 850	36 588		N	Y	N	N	N	N
BE	BELGIUM	1000039	15-12-1987	11 896	54 394	6 080	11	Y	Y	N	N	N	Y
BG	BULGARIA	693	29-10-2004	1 431	3 958	3		N	Y	N	N	N	N
CH	SWITZERLAND	370301	30-06-1963	4 865	22 583	1 380	1	Y	Y	N	N	N	Y
CY	CYPRUS	2418	12-11-2004	15	67	3		Y	Y	N	N	N	Y
CZ	CZECH	295900	16-11-2005	5 914	22 452	1 484		N	Y	N	N	N	N
DE	GERMANY	738624	18-09-1943	1 455 550	5 307 147	582 420		Y	Y	N	N	N	N
DK	DENMARK	80501	06-02-1956	3 076	9 389	12		Y	Y	N	N	N	N
EA	EURASIAN	1	31-03-1997	9 394	40 387	7 478		N	Y	N	N	N	N
EP	EUROPEAN PATENT OFFICE	1	20-12-1978	1 643 954	7 420 014	2 040 511	32 055	Y	Y	Y	Y	Y	Y
ES	SPAIN	2026828	01-05-1992	38 530	160 214	19 057		N	Y	N	N	N	Y
FI	FINLAND	82743	31-12-1990	8	43	11		N	Y	N	N	N	N
FR	FRANCE	2000037	29-08-1969	589 835	2 294 754	280 728	562	Y	Y	N	N	N	Y
GB	GREAT BRITAIN	2000001	04-01-1979	472 199	1 871 086	83 434		N	Y	N	N	N	N
GR	GREECE	1000005	19-01-1990	3 943	15 369	4 736	5	Y	Y	N	N	N	Y
IT	ITALY	FG20080007	01-10-2008	22 803	110 270	7 308		N	Y	N	N	N	Y
JP	JAPAN	40031998	09-11-1965	3 216 604	8 402 058	20 487		N	Y	N	Y	N	N
KR	KOREA	100582014	20-09-2006	114 156	343 265			N	Y	N	Y	N	N
LU	LUXEMBOURG	90189	16-12-1998	517	2 643	328		Y	Y	N	N	N	Y
NL	NETHERLANDS	58971	15-02-1947	43 242	202 596	19 293	52	Y	Y	N	N	N	Y
NO	NORWAY	20082451	01-12-2009	36	143	44		N	Y	N	N	N	Y
SG	SINGAPORE	49613	20-03-2001	11 701	41 298	788		N	Y	N	N	N	N
TR	TURKEY	22295	07-01-1987	3 397	13 561	2 885		Y	Y	N	N	N	Y
US	UNITED STATES OF AMERICA	2413742	07-01-1947	5 551 386	65 364 112	12 167 068	66	Y	Y	N	N	N	N
WO	WIPO	7800001	19-10-1978	1 963 880	9 322 362	2 014 799	25 390	Y	Y	N	N	N	Y
Total				15 422 701	101 653 813	17 297 462	58 142						

Spring 2012

IP5 CCD Data coverage enhancements

Overview citation data in EPO's citation data base (REFI)								Citation Origin					
								APP	SEA	115	EXA	OPP	CAT
Status : 15 January 2012								(1)	(0)	(4)	(2)	(3)	
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	Article 115	Examination	Opposition	Relevance ind.
EP	EUROPEAN PATENT OFFICE	1	20-12-1978	1 643 954	7 420 014	2 040 511	32 055	Y	Y	Y	Y	Y	Y
JP	JAPAN	40031998	9-11-1965	3 216 604	8 402 058	20 487		N	Y	N	Y	N	N
KR	KOREA	100582014	20-9-2006	114 156	343 265			N	Y	N	Y	N	N
US	UNITED STATES OF AMERICA	2413742	7-1-1947	5 551 386	65 364 112	12 167 068	66	Y	Y	N	N	N	N
WO	WIPO	7800001	19-10-1978	1 963 880	9 322 362	2 014 799	25 390	Y	Y	N	N	N	Y
			Total	12 489 980	90 851 811	16 242 865	57 511						

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

Spring 2012

- CCD Data coverage enhancements
 - USPTO Application citations added
 - Inclusion of the "I" relevancy Indicator for EPO citations.
- Application Improvements
 - Review of the help window positioning, layout and navigation.
 - Update help content.

Winter 2012

- Application improvements
 - Add publication date for NPL citations, when provided in data exchange
 - Update Help content.
- System efficiency improvement:
 - Transition from a single "Get all family members" to multiple "Load more family members".
- Integration with other systems
 - Integration with Espacenet, tentatively planned for 2012/2013 will provide
 - Generation of CCD as exportable list.
 - Generation of CCD covers as a PDF document.
 - Linking to the EPO register and other deep linkable IP5 systems if supported.



Thank You