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Dr Nigel S. Clarke

Head of Unit Online Products and User Support

December 2013

THE COMMON CITATION DOCUMENT

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Outline

- Introduction & Main functionalities
- Invocation
- The input mask
- The PCT/ISA/210 model
- CCD Initial Output
- More on how to benefit from the CCD web application :
 - CCD Viewer
 - The Inspector
 - The Double Inspector
 - The Timeline
 - Data Coverage

Introduction

- CCD originally proposed by Trilateral Industry
- Pilot => Production
- Originally consolidated access to citation data from Trilateral offices
- Published search reports
- Commitment to exchange citation data
- Extended to other national offices
- Now an IP5 project

Features

- Access – national application number
- Access - from **Espace**net
- Coverage 28 authorities (October 2013)
- Identifies equivalent citations
- Multiple windows (viewer, inspectors) to allow comparisons

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fiveIPoffices - CCD

Number: EP09151293 Search example: EP1612402; US200600447A1; JP20090214944

EP20090151293

Hide CCD viewer Double inspector Timeline

CCD Viewer

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#	CC	Cat.	Citation details	Claims
1	WO		Application N° WO2000US02906 (WOUS0002906) - 4 February 2000 International Search Report US5983221 A (WORDSTREAM INC [US]) - 9 November 1999 US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999 US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998 SURFING THE WEB BY VOICE Authors: HEMPHILL C T, THRIFT P R Publication data: PROCEEDINGS OF ACM MULTIMEDIA '95 SAN FRANCISCO, NOV. 5 - 9, 1995; [PROCEEDINGS OF ACM MULTIMEDIA]; 1995:1105 NEW YORK, ACM, US Source info: Page(s): 1 - 11	
2	JP		Application N° JP20000597793 (JP20000597793) - 4 February 2000	
3	EP		Application N° EP20090151293 (EP09151293) - 4 February 2000 National Search Report PADIS - An automatic telephone switchboard and directory information system Authors: Kellner A, Rueber B, Seide F, Tran B-H Publication data: SPEECH COMMUNICATION, 1997:1001 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 Applicant WO9821679 A1 (MICROSOFT CORP [US]) - 22 May 1998 Non-patent literature - KELLNER A, SPEECH COMMUNICATION vol. 23, no. 1-2, October 1997, pages 95 - 111 National Examination WO9821679 A1 (MICROSOFT CORP [US]) - 22 May 1998	1
4	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000 National Search Report PADIS - An automatic telephone switchboard and directory information system Authors: Kellner A, Rueber B, Seide F, Tran B-H Publication data: SPEECH COMMUNICATION, 1997:1001 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	1,6,11,16,22
5	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000	
6	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000	
7	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
8	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	

Inspector: classifications and fields searched

Classifications

WO
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22

JP
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22

EP
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22

CA
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22

AU
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22

AT
 IBC G06F17/28, G10L15/18, G10L13/00, G10L13/08, G10L15/00, G10L15/22
 CPC G10L15/22

US
 IBC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22
 CPC G10L15/22
 UC 704/E15.04, 704/257, 704/275

Fields searched

EP
 IBC G10L

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17 results found in the Worldwide database for:
200908 as the publication date AND G10L15/22 as the Cooperative Patent Classification

Sort by Sort order

1. SYSTEMS AND METHODS FOR COLLABORATIVE NOTE-TAKING

★	Inventor: THIONE GIOVANNI LORENZO [US] DENOUE LAURENT [US] (+1)	Applicant: FUJI XEROX CO LTD [JP]	CPC: G06F17/24 G10L15/22 Y10S707/99936	IPC: G06F17/24 G06F17/27 G06F17/30 (+9)	Publication info: US2009204620 (A1) 2009-08 -13	Priority date: 2004-02-02
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2. Open Architecture For A Voice User Interface

★	Inventor: TESSEL MARIANNA [US] LANGE DANNY [US] (+4)	Applicant: BEN FRANKLIN PATENT HOLDING LL [US]	CPC: G10L15/22 G10L15/30	IPC: G10L15/00	Publication info: US2009216540 (A1) 2009-08 -27 US8005683 (B2) 2011-08-23	Priority date: 2000-12-08
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3. Voice recognition apparatus and method for performing voice recognition

★	Inventor: HIROSHI SUGIYAMA [JP] KAORU SUZUKI [JP] (+2)	Applicant: TOSHIBA KK [JP]	CPC: G10L15/20 G10L15/22	IPC: G10L15/26	Publication info: CN101510425 (A) 2009-08 -19 CN101510425 (B) 2012-02-29	Priority date: 2008-02-15
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4. METHOD FOR RECOGNISING INPUT IN A VOICE RECOGNITION SYSTEM

★	Inventor: STEMMER GEORG [DE]	Applicant: SIEMENS AG [DE] STEMMER GEORG [DE]	CPC: G10L15/22	IPC: G10L15/22	Publication info: WO2009098118 (A1) 2009-08 -13	Priority date: 2008-02-06
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5. VOICE INTERACTIVE DEVICE AND VOICE INTERACTIVE PROGRAM

★	Inventor: YAMATO AKIKO	Applicant: BROTHER IND LTD	CPC: G10L15/22 G10L2015/088	IPC: G10L13/00 G10L13/08 G10L15/10 (+1)	Publication info: JP2009186989 (A) 2009-08 -20	Priority date: 2008-01-10
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6. Gaming Apparatus Capable of Conversation with Player and Control Method Thereof

★	Inventor: OKADA KAZUO [JP]	Applicant: ARUZE GAMING AMERICA INC [US]	CPC: G10L15/005 G10L15/22	IPC: G06F17/20 G10L15/26	Publication info: US2009210217 (A1) 2009-08 -20	Priority date: 2008-02-14
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7. STORED PHRASE REUTILIZATION WHEN TESTING SPEECH RECOGNITION

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

★ **Inventor:** LUCENTE MARK [US]
POLISH NATHANIEL [US]

Applicant: SOLQUE SOFTWARE LTD LIABILITY [US]

CPC: G10L15/22

IPC: G06F17/28
G10L13/00
G10L13/08
(+3)

Publication info: EP2085963 (A1)
2009-08-05

Priority date: 1999-02-04

EP2085963 (A1)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

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Bibliographic data: EP2085963 (A1) — 2009-08-05

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

Page bookmark [EP2085963 \(A1\) - System and method for bilateral communication between a user and a system](#)

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

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

Classification: - international: G06F17/28; G10L13/00; G10L13/08; G10L15/00; G10L15/18; G10L15/22
- cooperative: G10L15/22

Application number: EP20090151293 20000204

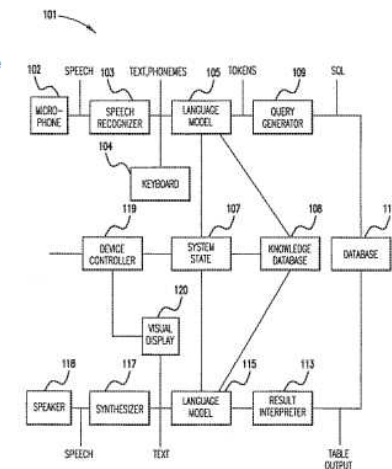
Priority number(s): US20000495722 20000201 ; EP20000914516 20000204 ; US19990118800P 19990204

Also published as: WO0046792 (A1) US6430531 (B1) JP2002536755 (A) EP1163665 (A1) EP1163665 (A4) → more

Abstract of EP2085963 (A1)

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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.



Sort by

Priority date

Sort order

Descending

Sort

 show citations 1. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
LUCENTE MARK [US] POLISH NATHANIEL [US]	SOLQUE SOFTWARE LTD LIABILITY [US]	G10L15/22		AT422089 (T) 2009-02-15	1999-02-04

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

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
LUCENTE MARK POLISH NATHANIEL	SOLILOQUY INC	G10L15/22		AU3589600 (A) 2000-08-25	1999-02-04

 3. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
POLISH NATHANIEL [US] LUCENTE MARK [US]	SOLILOQUY INC [US]	G10L15/22		CA2361429 (A1) 2000-08-10	1999-02-04

 4. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
LUCENTE MARK [US] POLISH NATHANIEL [US]	SOLILOQUY INC [US]	G10L15/22	XP004117212	EP1163665 (A1) 2001-12-19 EP1163665 (A4) 2005-09-14 EP1163665 (B1) 2009-01-28	1999-02-04

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

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
LUCENTE MARK [US] POLISH NATHANIEL [US]	SOLQUE SOFTWARE LTD LIABILITY [US]	G10L15/22	WO9821679 A1 XP004117212	EP2085963 (A1) 2009-08-05	1999-02-04

 6. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
		G10L15/22		JP2002536755 (A) 2002-10-29	1999-02-04

 7. Bilateral speech system

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
POLISH NATHANIEL [US]	SOLILOQUY INC [US]	G10L15/22	US4445187 A US5197005 A US5265065 A US5369575 A US5418948 A (+19)	US6430531 (B1) 2002-08-06	1999-02-04

Family list: EP2085963 (A1) — 2009-08-05

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9 application(s) for: EP2085963 (A1)

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<input type="checkbox"/> 1. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM						
★	Inventor: LUCENTE MARK [US] POLISH NATHANIEL [US]	Applicant: SOLQUE SOFTWARE LTD LIABILITY [US]	CPC: G10L15/22	Citations:	Publication info: AT422089 (T) 2009-02-15	Priority date: 1999-02-04
<input type="checkbox"/> 2. System and method for bilateral communication between a user and a system						
★	Inventor: LUCENTE MARK POLISH NATHANIEL	Applicant: SOLILOQUY INC	CPC: G10L15/22	Citations:	Publication info: AU3589600 (A) 2000-08-25	Priority date: 1999-02-04
<input type="checkbox"/> 3. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM						
★	Inventor: POLISH NATHANIEL [US] LUCENTE MARK [US]	Applicant: SOLILOQUY INC [US]	CPC: G10L15/22	Citations:	Publication info: CA2361429 (A1) 2000-08-10	Priority date: 1999-02-04
<input type="checkbox"/> 4. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM						
★	Inventor: LUCENTE MARK [US] POLISH NATHANIEL [US]	Applicant: SOLILOQUY INC [US]	CPC: G10L15/22	Citations: XP004117212	Publication info: EP1163665 (A1) 2001-12-19 EP1163665 (A4) 2005-09-14 EP1163665 (B1) 2009-01-28	Priority date: 1999-02-04
<input type="checkbox"/> 5. System and method for bilateral communication between a user and a system						
★	Inventor: LUCENTE MARK [US] POLISH NATHANIEL [US]	Applicant: SOLQUE SOFTWARE LTD LIABILITY [US]	CPC: G10L15/22	Citations: WO9821679 A1 XP004117212	Publication info: EP2085963 (A1) 2009-08-05	Priority date: 1999-02-04
<input type="checkbox"/> 6. SYSTEM AND METHOD FOR BILATERAL COMMUNICATION BETWEEN A USER AND A SYSTEM						
★	Inventor:	Applicant:	CPC: G10L15/22	Citations:	Publication info: JP2002536755 (A) 2002-10-29	Priority date: 1999-02-04
<input type="checkbox"/> 7. Bilateral speech system						
★	Inventor: POLISH NATHANIEL [US]	Applicant: SOLILOQUY INC [US]	CPC: G10L15/22	Citations: US4445187 A US5197005 A US5265065 A US5369575 A US5418948 A (+19)	Publication info: US6430531 (B1) 2002-08-06	Priority date: 1999-02-04

CCD Viewer				Inspector: classifications and fields searched	
Citations only view Compact view Sort by country Filter				Classifications & fields searched	
#	CC	Cat.	Citation details	Claims	Classifications
1	WO		Application N° WO200002906 (WO/99/02906) - 4 February 2000 International Search Report US5983221 A (WORDSTREAM INC [US]) - 9 November 1999 US5960399 A (GTE INTERNETWORKING INC [US]) - 28 September 1999 US5732216 A (INTERNET ANGLES INC [US]) - 24 March 1998 Y SURFING THE WEB BY VOICE Authors: HEMPHILL C T, THRIFT P R Publication data: PROCEEDINGS OF ACM MULTIMEDIA '95 SAN FRANCISCO, NOV. 5 - 9, 1995, [PROCEEDINGS OF ACM MULTIMEDIA], 1995:1105 NEW YORK, ACM, US Source info: Page(s): 1 - 11		WO IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22 CPC G10L15/22
2	JP		Application N° JP20000597793 (JP20000597793) - 4 February 2000		JP IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22 CPC G10L15/22
3	EP		Application N° EP20009151293 (EP09151293) - 4 February 2000 National Search Report X PADIS - An automatic telephone switchboard and directory information system Authors: Kellner A, Rueber B, Seide F, Tian B-H Publication data: SPEECH COMMUNICATION, 1997:1001 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 Non-patent literature W09821679 A1 (MICROSOFT CORP [US]) - 22 May 1998 Non-patent literature = KELLNER A, SPEECH COMMUNICATION vol. 23, no. 1-2, October 1997, pages 95 - 111 National Examination W09821679 A1 (MICROSOFT CORP [US]) - 22 May 1998	1	EP IPC G06F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22 CPC G10L15/22
4	EP		Application N° EP20000914516 (EP00914516) - 4 February 2000 National Search Report X PADIS - An automatic telephone switchboard and directory information system Authors: Kellner A, Rueber B, Seide F, Tian B-H Publication data: SPEECH COMMUNICATION, 1997:1001 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	1,6,11,16,22	EP IPC G10L
5	CA		Application N° CA20002361429 (CA002361429) - 4 February 2000		
6	AU		Application N° AU20000035896D (AU3589600) - 4 February 2000		
7	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000		
8	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 US2650065 A (WEST PUBLISHING CO [US]) - 23 November 1993 US5369575 A (IBM [US]) - 29 November 1994 US5418948 A (WEST PUBLISHING CO [US]) - 23 May 1995 US442780 A (MITSUBISHI ELECTRIC CORP [JP]) - 15 August 1995 US5454106 A (IBM [US]) - 26 September 1995 US5471611 A (UNIV STRATHCLYDE [GB]) - 28 November 1995 US555169 A (HITACHI LTD [JP]) - 10 September 1996		

Simple families: 1/2 Total family members: 8/9 Get next family

The input mask

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

Trilateral - CCD Search Help

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

The PCT/ISA/210 model

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/02906

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(C) : 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.

* Special categories of cited documents
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "Y" document which may have priority claims or which is cited to establish the publication date of another citation or other special reasons (as specified)
 "X" document referring to an oral disclosure, use, exhibition or other means
 "*" document published prior to the international filing date but later than the priority date claimed
 "†" 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
 "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
 "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
 "A" document member of the same patent family

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: RICHMOND DORVIL, Telephone No. (703) 305-3900

Joni Hill

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

Classification of S-M

Fields searched

Documents considered to be relevant

CCD Initial Output

Trilateral - CCD Search Help

Number: 09151293 Search example: EP1612402, US200600447A1, JP20090214944

EP20090151293 Hide CCD viewer Double inspector Timeline

CCD viewer

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#	CC	Cat.	Citation details	Claims
1	EP		<p>Application No EP20090151293 (409151293) - 4 February 2000</p> <p>National Search Report</p> <p>X</p> <p>PAIDS - An automatic telephone switchboard and directory information system</p> <p>Authors: Kallner A, Ruzer B, Saida P, Tran B-H</p> <p>Publication data: SPEECH COMMUNICATION, 1997/1001 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 B</p> <p>Figure 9</p> <p>National Examination</p> <p>WO0821079 A1 (MICROSOFT CORP [US]) - 22 May 1998</p>	1
2	AT		<p>Application No AT20000914516T (4700914516) - 4 February 2000</p>	
3	AU		<p>Application No AU20000035896D (AU35896000) - 4 February 2000</p>	
4	CA		<p>Application No CA20002361429 (CA002361429) - 4 February 2000</p>	
5	JP		<p>Application No JP20000597793T (322000597793) - 4 February 2000</p>	
6	US		<p>Application No US20000495722 (US00495722) - 1 February 2000</p> <p>National Search Report</p> <p>US5722210 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>Applications</p> <p>US4445187 A (BEST ROBERT H) - 24 April 1994</p> <p>US5107005 A (INTELLIGENT BUSINESS SYSTEMS [US]) - 23 March 1993</p> <p>US3263003 A (WEST PUBLISHING CO [US]) - 23 November 1993</p> <p>US5369575 A (IBM [US]) - 29 November 1994</p> <p>US418940 A (WEST PUBLISHING CO [US]) - 22 May 1995</p> <p>US442780 A (MITSUBISHI ELECTRIC CORP [JP]) - 15 August 1990</p> <p>US3434100 A (IBM [US]) - 26 September 1995</p> <p>US5555189 A (HITACHI LTD [JP]) - 10 September 1996</p>	

Simple families: 2 Total family members: 6 Get all family members

Classifications

EP

IPC 006F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

AT

IPC 006F17/28, G10L15/18, G10L13/00, G10L13/08, G10L15/00, G10L15/22

EC G10L15/22

AU

IPC 006F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

CA

IPC 006F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

JP

IPC 006F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

EC G10L15/22

US

IPC 006F17/28, G10L13/00, G10L13/08, G10L15/00, G10L15/18, G10L15/22

HC 704/E15/04, 704/257, 704/275

EC G10L15/22

WO

IPC 006F17/28, 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

How to we get there

Trilateral - CCD

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 (EP0425480) - 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 1995 Column 2, line 22 - column 2, line 23 Figure 1	1-5
	X		EP0270720 A1 (RENAULT [FR]) - 15 June 1998 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	

Timeline: 20050095425, US6739317 (US20050095425), US6889656 (US20050095425), DE10345154 (EP20040425480), JP20050120087, JP2004124727 (JP20090214944), US20050095425, US6823845 (US20050095425), EP20040425480, AT20040425480T, DE200460002105T, ES20040425480T, DE10345154 (US20050095425), JP2004011448 (JP20090214944)

Simple families: 1 Total family members: 7

Application EP20040425480 Full document: EP 1612402 A1

Application JP20050120087 Full document: JP 2006017109 (A)

EP 1 612 402 A1

Fig 1

Page 1/8 - ABSTRACT

Page 1/7 - ABSTRACT

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"

The screenshot shows the CCD Viewer interface for patent EP20090151293. The interface includes a search bar at the top, navigation buttons like 'Hide CCD viewer', 'Double inspector', and 'Timeline'. Below the search bar, there are options for 'Citations only view', 'Compact view' (highlighted with a red circle), 'Sort by country', and 'Filter'. The main content area displays a table of citations with columns for '#', 'CC', 'Cat.', 'Citation details', and 'Claims'. The first citation is for 'Application N° EP20090151293' (EP09151293) dated 4 February 2000, categorized as 'National Search Report'. It includes details for 'PADIS - An automatic telephone switchboard and directory information system' by Kellner A, Rueber B, Seide F, and Tran B-H. The citation is marked with an 'X' in the 'CC' column and '1' in the 'Claims' column. Other citations include 'Application N° AT20000914516T' (AT00914516) dated 4 February 2000, 'Application N° AU20000035896D' (AU3589600) dated 4 February 2000, 'Application N° CA20002361429' (CA002361429) dated 4 February 2000, 'Application N° EP20000914516' (EP00914516) dated 4 February 2000, 'Application N° JP20000597793T' (JP2000597793) dated 4 February 2000, and 'Application N° US20000495722' (US09495722) dated 1 February 2000. The 'Cat.' column for these citations includes 'AT', 'AU', 'CA', 'EP', 'JP', and 'US'. The 'National Examination' and 'Non-patent literature' sections are also visible.

#	CC	Cat.	Citation details	Claims
-	EP		Application N° EP20090151293 (EP09151293) - 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, 1997 1001 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° 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 <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, 1997 1001 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	
6	JP		Application N° JP20000597793T (JP2000597793) - 4 February 2000 Non-patent literature See also references of WO 0046792A1	
7	US		Application N° US20000495722 (US09495722) - 1 February 2000	

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' (circled in red). A table of citations is displayed with columns for '#', 'CC', 'Cat.', 'Citation details', and 'Claims'. The first row has a '+' icon (circled in red) in the '#' column, indicating that the citation details are currently hidden. The table lists eight citations from various countries (AT, AU, CA, EP, JP, US, WO).

#	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 application 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', 'Compact view', 'Sort by country', and 'Filter'. The 'Filter' dropdown menu is open, showing two options: '(1) Hide applicant citations' and '(2) Hide applications without citations', both of which are circled in red. The main area displays a list of applications with columns for '#', 'CC', 'Cat.', 'Citation detail', 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 several citations and a 'Non-patent literature' section.

#	CC	Cat.	Citation detail	Claims
1	AT		Application N° [redacted]	January 2000
2	AU		Application N° AU2000035896D (AU35896D)	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

US5360575 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

US555160 A (HITACHI LTD [JP]) - 10 September 1996

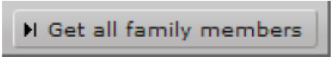
CCD Viewer : Filtering (2/2)

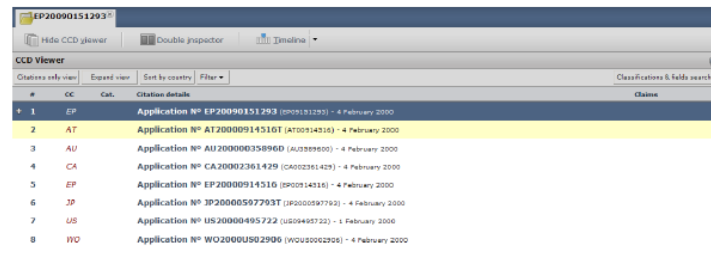
- The JP application, and the applicant's citations of the US application are hidden

The screenshot shows the CCD Viewer interface for patent application EP20090151293. The interface includes a toolbar with options like 'Hide CCD viewer', 'Double inspector', and 'Timeline'. Below the toolbar, there are view options: 'Citations only view', 'Compact view', 'Sort by country', and a circled 'Filter (1,2)' dropdown. The main area displays a table of citations with columns for '#', 'CC', 'Cat.', 'Citation details', and 'Claims'. The table lists four entries: two EP applications, one expanded US application (US20000495722) showing its national search report and non-patent literature citations, and one WO application.

#	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

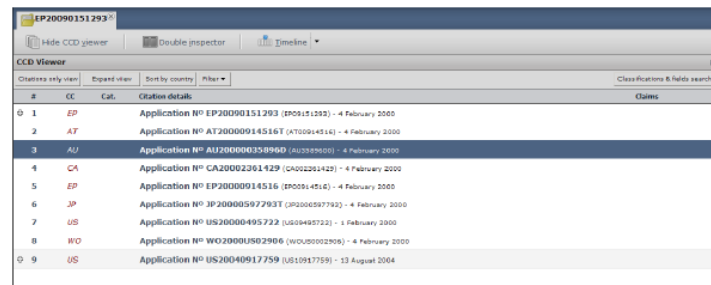
- By default CCD will retrieve the simple family. It is however possible to retrieve extended family and to view all simple families and their members; this requires clicking the button at the bottom of the CCD Viewer. 
 - In this example the simple family has 8 members



The screenshot shows the CCD Viewer interface for application EP20000151293. The table below lists the family members:

#	CC	Cat.	Citation details	Claims
1	EP		Application N° EP20000151293 (EP00151293) - 4 February 2000	
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU20000035896D (AU20000035896) - 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 (JP20000597793) - 4 February 2000	
7	US		Application N° US20000495722 (US00495722) - 1 February 2000	
8	WO		Application N° WO20000502906 (WO000502906) - 4 February 2000	

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



The screenshot shows the CCD Viewer interface for application EP20000151293 after clicking the 'Get all family members' button. The table below lists the extended family members:

#	CC	Cat.	Citation details	Claims
0	1	EP	Application N° EP20000151293 (EP00151293) - 4 February 2000	
2	AT		Application N° AT20000914516T (AT00914516) - 4 February 2000	
3	AU		Application N° AU20000035896D (AU20000035896) - 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 (JP20000597793) - 4 February 2000	
7	US		Application N° US20000495722 (US00495722) - 1 February 2000	
8	WO		Application N° WO20000502906 (WO000502906) - 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 interface includes a toolbar with 'Hide CCD viewer', 'Double inspector', and 'Timeline' options. Below the toolbar, there are navigation buttons: 'Citations only view', 'Group across simple family', 'Sort by country', and 'Filter'. A 'Classifications & fields searched' field is also present.

Application	Pub.	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' application window. The main area is a table of patent applications:

#	CC	Pub. No.	Citation details	Claims
1	EP	Application No EP20090151293	(EP09151293) - 4 February 2000	
2	AT	Application No AT20000914516T	(AT00914516) - 4 February 2000	
3	AU	Application No AU20000358960	(AU358960) - 4 February 2000	
4	CA	Application No CA20002361429	(CA002361429) - 4 February 2000	
5	EP	Application No EP20000914516	(EP00914516) - 4 February 2000	
6	JP	Application No JP20000597793T	(JP20000597793) - 4 February 2000	
7	US	Application No US20000495722	(US09495722) - 1 February 2000	

The right-hand pane shows the details for Application EP20090151293:

- Bibliographic data:** EP 2005963 (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 2005963 (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 on 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.

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 EPCCD viewer interface. The main window shows a list of citations with columns for country code (CC) and category (Cat.). The citation for EP2000495722 is highlighted. A context menu is open over this citation, with two options: "Show in inspector 1" and "Show in inspector 2". The "Show in inspector 2" option is circled in red. The interface also includes a "CCD Viewer" panel with options like "Citations only view", "Compact view", and "Sort by country". The right side of the interface shows the "Inspector: classifications and fields searched" panel, which lists various classification codes (G06F17/28, G10L13/08, etc.) and fields searched (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 EPIN database interface. On the left, the 'Citations only view' shows a list of citations for EP20040425480. The 'CC' column lists countries like EP, AT, DE, ES, JP, and US. The 'Citation details' column provides application numbers and dates. The 'Claims' column shows the number of claims cited.

#	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 1987 Column 2, line 22 - column 2, line 23 Figure 1	1-5
		X	EPO270720 A1 (RENAULT [FR]) - 15 June 1998 Page 5, line 12 - page 6, line 5 Figure 1, 6	1, 4-B
		A	EPO299337 A2 (IVECO FIAT [IT], et al) - 10 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 (DE02004002105) - 30 June 2004	
4	ES		Application No ES20040425480T (ES04425480) - 30 June 2004	
5	JP		Application No JP20050120087 (JP005120087) - 18 April 2005	
6	JP		Application No JP20090214944 (JP009214944) - 16 September 2009 National Examination	
7	US		JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004 JP2004124727 A (DENSO CORP) - 22 April 2004 JP2001160164 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 Application No US20050095425 (US11095425) - 31 March 2005 National Search Report	
			US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1987	
			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	
			Simple families: 1	
			Total family members: 7	

The right side of the interface shows the 'Original document' for JP2004011448A. The document title is '公開特許公報 (A)' (Published Patent Gazette (A)). It includes a table of classification codes (IPC Classifications) and a technical drawing (Figure 1) showing a cross-section of a mechanical component. The drawing is labeled with various reference numerals (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

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) - Select publication - US4501246.A (US20050095425) - Select publication -

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

#	CC	Col.	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 15 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		EPO270720 A1 (RENAULT [FR]) - 13 June 1988 Page 5, line 12 - page 5, line 5 Figure 1, 6	1,4-8
	A		EP0299337 A2 (IVECO FIAT [IT], et al) - 10 January 1989 Figure 1	1-8
	A		DE19714459 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	
			JP01160164 U	
			JP11230005 A (NIPPON SOKEN, et al) - 24 August 1999	
			JP10299611 A (NIPPON SOKEN) - 10 November 1998	
			JP2001107776 A (NISSAN MOTOR) - 17 April 2001	
			JP2000130268 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) - 8 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)

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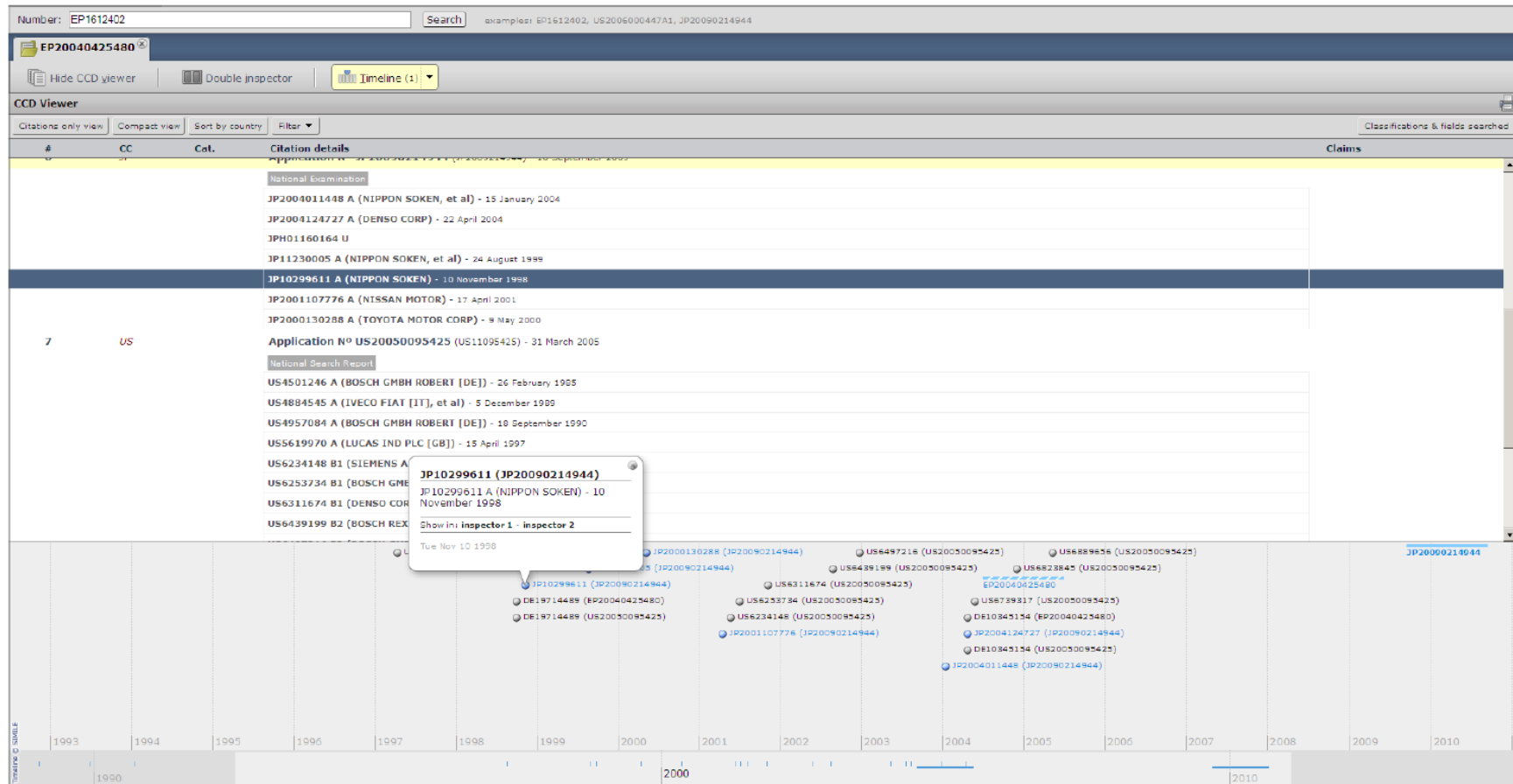
FIG. 2

Simple Families: 1 Total family members: 7

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The Timeline

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



Citation Coverage

Overview citation data in EPO's citation data base (REFI) Status : 10 October 2013								Citation Origin						
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	APP	SEA	115	EXA	OPP	PRS	CAT
								Applicant Search	Article 115	Examination	Opposition	PR, SR Result	Reference Int.	
AP	ARIPO		03-07-1985	2 634	5 953	723		N	Y	N	N	N	N	N
AT	AUSTRIA	373757	27-02-1984	41 023	135 838	3 789		N	Y	N	N	N	N	N
AU	AUSTRALIA	411295	18-03-1971	293 445	738 644	52 584		N	Y	N	N	N	N	N
BE	BELGIUM	1000039	15-12-1987	13 258	56 513	6 307		Y	Y	N	N	N	N	Y
BG	BULGARIA	693	29-10-2004	1 607	4 443	3		N	Y	N	N	N	N	N
CH	SWITZERLAND	370301	30-06-1963	5 636	25 756	1 499		Y	Y	N	N	N	N	Y
CY	CYPRUS	2418	12-11-2004	15	63	3		Y	Y	N	N	N	N	Y
CZ	CZECH	295900	16-11-2005	7 079	27 352	2 105		N	Y	N	N	N	N	N
DE	GERMANY	738624	18-09-1943	1 564 446	5 781 673	641 571		Y	Y	N	N	N	N	N
DK	DENMARK	80501	06-02-1956	3 074	9 375	17		Y	Y	N	N	N	N	N
EA	EURASIAN		31-03-1997	11 060	47 304	8 731		N	Y	N	N	N	N	N
EP	EUROPEAN PATENT OFFICE		20-12-1978	1 810 434	7 933 987	2 351 807		Y	Y	Y	Y	Y	N	Y
ES	SPAIN	2026828	01-05-1992	42 812	177 646	21 933		N	Y	N	N	N	N	Y
FI	FINLAND	82743	31-12-1990	6	43	12		N	Y	N	N	N	N	N
FR	FRANCE	2000037	29-08-1969	613 396	2 284 035	279 338		Y	Y	N	N	N	N	Y
GB	GREAT BRITAIN	2000001	04-01-1979	502 111	2 005 915	89 610		N	Y	N	N	N	N	N
GR	GREECE	89100007	16-12-1988	2 823	10 392	3 362		Y	Y	N	N	N	N	Y
IT	ITALY	FG20080007	01-10-2008	34 744	147 323	10 118		N	Y	N	N	N	N	Y
JP	JAPAN	40031998	09-11-1965	3 879 018	11 916 455	110 454		N	Y	N	Y	N	N	N
KR	KOREA	100543323	07-01-2006	376 808	1 164 135	1		N	Y	N	Y	N	N	N
LU	LUXEMBOURG	90189	16-12-1998	638	2 792	360		Y	Y	N	N	N	N	Y
MY	MALAYSIA	115077	31-03-2003	763	2 738	11		N	Y	N	N	N	N	N
NL	NETHERLANDS	58971	15-02-1947	27 074	120 395	12 136		Y	Y	N	N	N	N	Y
NO	NORWAY	20082451	01-12-2009	56	202	45		N	Y	N	N	N	N	Y
RU	RUSSIA	1840851	20-01-2013	6 363	29 974	2 664		N	Y	N	N	N	N	N
SG	SINGAPORE	49613	20-03-2001	11 701	41 295	788		N	Y	N	N	N	N	N
TR	TURKEY	22295	07-01-1987	3 242	12 721	2 766		Y	Y	N	N	N	N	Y
US	UNITED STATES OF AMERICA	2413742	07-01-1947	6 828 286	81 576 775	15 845 637		Y	Y	N	N	N	Y	N
WO	WIPO	7800001	19-10-1978	2 274 553	12 983 256	3 104 915		Y	Y	N	N	N	N	Y
Total				18 358 118	127 243 006	22 553 293	120 119							

30 Authorities, > 18,000,000 citing. > 127,000,000 cited