Derwent Patents Citation Index (DPCI)

Date revised: 18 March 2021

Description

Derwent Patents Citation Index (DPCI), produced by Clarivate Analytics, provides access to more than 98 million patent and 11 million literature citations found in more than 11 million patent families. In each update, examiner citations from about 50,000 documents from major patent-issuing authorities are added.

Each record in the database describes a patent family for a single invention. The patent family data corresponds to the patent family data provided in *Derwent World Patents Index* at the time that the most recent citations were added to the database.

The *DPCI* record provides a view of retrospective technology for an invention (cited patents and literature references) and its impact on subsequent technology (citing patents). Citations referenced by examiners or inventors in patent documents are called "cited" patents or literature references in the *DPCI* record and correspond to the search reports that accompany patent publications. When a citation references older inventions/patents, it is also added to the family record as a "citing" patent.

Examiner citations are provided for family members added to the file from the following patent-issuing authorities: Australia (AU), Belgium (BE), China (CN), Czech Republic (CZ), European Patent Office (EP), France (FR), Germany (DE), Gulf Co-operation Council (GC), Japan (JP), Korea (KR), Luxembourg (LU), Malaysia (MY), Philippines (PH), Netherlands (NL), Russia (RU), Singapore (SG), Spain (ES), Switzerland (CH), United Kingdom (GB), United States (US), and WIPO/PCT (WO); Inventor citations are provided for family members for Australia (AU) (1994-6), Belgium (BE), European Patent Office (EP), France (FR), Germany (DE), Luxembourg (LU), Netherlands (NL), Switzerland (CH), United Kingdom (GB), United States (US) and WIPO/PCT (WO).

Limited coverage (1994-6) of citations is included and searchable for Austria (AT) (examiner and inventor), Canada (CA) (Inventor) and Sweden (SE) (examiner and inventor).

Since *DPCI* contains limited information about the patent family, the DWPI accession number can be used in DWPI to obtain detailed information, such as abstracts, about cited and citing patents as well as family members.

Subject Coverage

DPCI covers all areas of patentable technology.

Date Coverage
US citations: Jan 1970+; FR, DE, NL citations: Jan 1974+; EP,WO citations: Oct, Dec 1978+; GB, citations: Jan 1979+; CH citations: Jan 1986+; BE citations: Jan 1988+; AU, ES citations: Jan 1993+; JP citations: Jan 1994+; LU citations: Jul 1999+; SG citations: Mar 2001+; GC citations; Jul 2004+; CZ citations: Jun 2006+; KR citations: Jan 2008+; RU citations: Jun 2009+; PH citations: Nov 2009; CN. MY citations: Jan 2010+

Update Frequency
52 updates/year

Geographic Coverage
International

Document Types
Patents

Publisher

Derwent Patents Citation Index is provided by Clarivate Analytics. Questions concerning file content should be directed to Customer Care at: http://clarivate.com/about-us/contact-us/.

Sample document[1]

DTI, TI

Motor vehicle hybrid drive system

199952 (First update). 200435 (Last update).

Bibliographic information | Cited references | Citing patents | Family members (8)

Indexing (details)

Cite

PA, CO, PACD	**Assignee**	CONTINENTAL ISAD ELECTRONIC SYSTEMS GMBH (CTIS Non-standard Company) ISAD ELECTRONIC SYSTEMS GMBH & CO KG (ISAD Non-standard Company)
INV, AU	**Inventor**	Pels, T Revermann, K
PBC, PN[2], PD	**Publication number**	WO 1999050084 A1 (07 October 1999)
APC, APN[2], APD	**Application number**	WO 1999EP2218 A (31 March 1999)
PPC, PRN[2], PRD	**Priority number**	DE 19814402 A (31 March 1998)
LA	**Publication language**	German; Japanese; English
CLFS	**Field of search**	B60K 6/2; B60K 6/4; F02D 9/0; F02N 17/00; 180/65.1; 180/65.2; 180/65.3; 180/65.8; 477/5; 701/22
DS	**Designated states**	National: JP KR US Regional: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
--	**Number of designated states**	21
NR, NCP, NCBP	**Document features**	4 literature citations (examiner); 19 cited patents (examiner); 5 cited patents (inventor); 2 citing patents (other); 79 citing patents (examiner); 5 citing patents (inventor)
--	**Source attribution**	Patents Citation Index, © Publisher specific
AN	**Accession number**	1999610827
	Document URL	http://search.proquest.com/professional/docview/1226278459?accountid=137296
FAV	**First available**	2012-12-10
UD	**Updates**	2013-01-16 2013-02-13 2013-03-15
PUB	**Database**	Derwent Patents Citation Index® (1973 - current)

[1] Cited References and Citing Patents display is truncated for brevity
[2] Also PNUM

PAR, REF

Bibliographic information | Cited references | Citing patents | Family members (8)

Cited patents

This family's list of citations includes the patents below (backwards citations).

Cited patents for family

Publication number	Kind	Publication date	Derwent accession	Cited by
DE 3024109	A	1982 Jan 21	1982A5303E	Examiner
DE 3335923	A	1984 Sep 13	1984232132	Examiner
DE 4323601	A1	1995 Jan 12	1995044593	Examiner
DE 19530231	A1	1997 Feb 20	1997133906	Examiner
DE 19532129	A1	1997 Mar 06	1997155652	Examiner
DE 19539571	A1	1997 Apr 30	1997246246	Examiner
EP 743215	A2	1996 Nov 20	1996507619	Examiner

CTPN

CTDA

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Cited patents by family member and citer

Cited by Examiner (36 patents)

Family member	Citing patent	Publication date	Assignee	Inventor	Relevance category
WO 1999050084 A1	DE 3024109 A	1982 Jan 21	PISCHINGER F (PISC)	KREUTER PISCHINGER F	Y
	DE 3335923 A	1984 Sep 13	VOLKSWAGENWERK AG (VOLS) Standardized Company	HEIDEMEYER P LEMKE K J OETIING H	
	DE 19530231 A1	1997 Feb 20	AUDI AG (NSUM) Standardized Company		
	DE 19532129 A1	1997 Mar 06	CLOUTH GUMMIWERKE AG (CLOR) Standardized Company	GRUENDL A HOFFMANN B MASBERG U PELS T ZEYEN K	Y

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CTPA

CTINV, RI

DE 19814402 A1	DE 19530231 A1	1997 Feb 20	AUDI AG (NSUM) Standardized Company		
	DE 19539571 A1	1997 Apr 30	BOSCH GMBH ROBERT (BOSC) Standardized Company	ESPENSCHIED H	
DE 19814402 C2	DE 3335923 A	1984 Sep 13			
	DE 19530231 A1	1997 Feb 20			
	DE 19539571 A1	1997 Apr 30			
	EP 743216 A2	1996 Nov 20			

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Cited by Inventor (5 patents)

CTPN, RI
CTDA
CTPA
CTINV

Family member	Citing patent	Publication date	Assignee	Inventor	Relevance category
WO 1999050084 A1	DE 3024109 A	1982 Jan 21	PISCHINGER F (PISC)	KREUTER PISCHINGER F	Y
	DE 3335923 A	1984 Sep 13	VOLKSWAGENWERK AG (VOLS) Standardized Company	HEIDEMEYER P LEMKE K J OETIING H	
	DE 19530231 A1	1997 Feb 20	AUDI AG (NSUM) Standardized Company		
	DE 19539571 A1	1997 Apr 30	BOSCH GMBH ROBERT (BOSC) Standardized Company	ESPENSCHIED H	
	EP 743216 A2	1996 Nov 20	TOYOTA JIDOSHA KK (TOYT) Standardized Company	KANAMORI A KAWABATA Y MIYATANI T MIZUTANI R YAMADA E	

Cited literature

This patent's list of citations includes the literature references below (backwards citations).

Tip: Use the **Look up citation** search form to find these documents, after selecting all databases.

NPL, REF

Cited literature for family

1. *DANIELS J: "TOYOTA REVEALS MORE" AUTOMOTIVE ENGINEER, Bd. 22, Nr. 5, 1. Juni 1997, Seite 54-64 XP000691165*
2. *J. Daniels, "Toyota reveals more", Automotive Engineer, vol. 22, No. 5, Jun. 1, 1997, pp. 54 to 64.*
3. *Patent Application entitled, "System for Actively Reducing Rotational Nonuniformity of a Shaft, in Particular, the Drive Shaft of an Internal Combustion Engine, and Method for This" with drawings, pp. 42.*
4. *See references of WO 9950084A1*

NPL, REF

Cited literature by family member and citer

Cited by examiner (6 references)

Family member	References
EP 1068090 A1	1. *See references of WO 9950084A1*
US 6543561 B1	1. *J. Daniels, "Toyota reveals more", Automotive Engineer, vol. 22, No. 5, Jun. 1, 1997, pp. 54 to 64.* 2. *Patent Application entitled, "System for Actively Reducing Rotational Nonuniformity of a Shaft, in Particular, the Drive Shaft of an Internal Combustion Engine, and Method for This" with drawings, pp. 42.*
EP 1068090 B1	1. *DANIELS J: "TOYOTA REVEALS MORE" AUTOMOTIVE ENGINEER, Bd. 22, Nr. 5, 1. Juni 1997, Seite 54-64 XP000691165*
WO 1999050084 A1	1. *DANIELS J: "TOYOTA REVEALS MORE" AUTOMOTIVE ENGINEER, Bd. 22, Nr. 5, 1. Juni 1997, Seite 54-64 XP000691165* (Relevance category: Y) 2. *DANIELS J: "TOYOTA REVEALS MORE" AUTOMOTIVE ENGINEER, Bd. 22, Nr. 5, 1. Juni 1997, Seite 54-64 XP000691165*

PAR, REF

CGPN

CGDA

Bibliographic information | Cited references | Citing patents | Family members (8)

Citing patents

This patent is cited by the patents below (forwards citations).

Citing patents for family

Publication number	Kind	Publication date	Derwent accession	Cited by
CN 101198503	B	2011 May 25	2007085675	Examiner
CN 101316748	B	2011 May 18	2007545223	Examiner
DE 10311270	A1	2004 Sep 23	2004692101	Examiner
DE 102005024359	A1	2006 Nov 30	2007084726	Examiner
DE 102008037342	A1	2010 Mar 04	2010C31243	Examiner
DE 102008053505	A1	2010 Apr 29	2010E61572	Examiner
DE 102009033544	A1	2011 Jan 20	2011A90379	Examiner
DE 102010029127	A1	2011 Nov 24	2011P38827	Examiner
DE 102010038086	A1	2012 Apr 12	2012E13998	Examiner
DE 102011005803	A1	2012 Sep 20	2012M07063	Examiner
EP 1177930	A2	2002 Feb 06	2002189675	Examiner
EP 1177930	B1	2007 Apr 25	2002189675	Examiner

Citing patents by family member and citer

Cited by Examiner (93 patents)

Family member	Citing patent	Publication date	Assignee	Inventor	Additional info
WO 1999050084 A1	EP 1207298 A2	2002 May 22	TOYOTA JIDOSHA KK (TOYT) Standardized Company	ITAGAKI K MORIYA K NAKAO H	Relevance: A Cited Date: 200426
	EP 1207298 B1	2006 Mar 08	TOYOTA JIDOSHA KK (TOYT) Standardized Company	ITAGAKI K MORIYA K NAKAO H	Cited Date: 200625
	JP 3706068 B2	2005 Oct 12	CRF SCPA (FIAT) Standardized Company	ELLENA G ELLENA, Giovanni MESITI D MESITI, Domenico OSELLA G OSELLA, Giancarlo PORTA A PORTA, Attilio	Cited Date: 200577
	US 6524219 B2	2003 Feb 25	CRF SCPA (FIAT) Standardized Company	ELLENA G FOSSANETTI M LUPO M MESITI D OSELLA G PORTA A	Cited Date: 200323
	US 6889125 B2	2005 May 03	TOYOTA JIDOSHA KK (TOYT) Standardized Company	ITAGAKI K MORIYA K NAKAO H	Cited Date: 200539

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Cited by Inventor (6 patents)

Family member	Citing patent	Publication date	Additional info
DE 19814402 A1	DE 102007050230 A1	2009 Apr 23	Cited Date: 200930
DE 19814402 C2	DE 102011079079 A1	2013 Jan 17	Cited Date: 201307
	WO 2013007464 A1	2013 Jan 17	Cited Date: 201307
JP 2002510007 W	US 6739299 B2	2004 May 25	Cited Date: 200435
	US 39965 E	2008 Jan 01	Cited Date: 200804
US 6543561 B1	US 6739299 B2	2004 May 25	Cited Date: 200442

Cited by Other (2 patents)

Family member	Citing patent	Publication date	Additional info
DE 19814402 A1	US 7392871 B2	2008 Jul 01	Cited Date: 200845
	US 7455134 B2	2008 Nov 25	Cited Date: 200903

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NPF, NCN

PN², PNA, PD, APN², APNA

PNA, APNA

PBC, APC

PDA

APD, APDA

DW

Bibliographic information | Cited references | Citing patents | Family members (8)

Patent family (Number of patents: 8; Number of countries: 21)

Publication number	Publication date	Application number	Application date	Update code	Type
WO 1999050084 A1	19991007	WO 1999EP2218 A	19990331	199952	B
DE 19814402 A1	19991014	DE 19814402 A	19980331	199952	E
DE 19814402 C2	20000323	DE 19814402 A	19980331	200019	E
EP 1068090 A1	20010117	EP 1999915729 A	19990331	200105	E
JP 2002510007 W	20020402	JP 2000541019 A	19990331	200225	E
EP 1068090 B1	20030108	EP 1999915729 A	19990331	200304	E
DE 59903975 G	20030213	DE 59903975 A	19990331	200320	E
US 6543561 B1	20030408	US 2000672176 A	20000927	200327	E

Go back to table ◂ Previous Patent member **4** of 8 Next ▸

PNA², PDA, DW

APNA², APD DT, PNA²

DT, APNA², APDA

DS

EP 1068090 A1

Publication number EP 1068090 A1 (17 January 2001, Update 200105)

Application number EP 1999915729 A (31 March 1999)

Related publication Based on OPI patent: WO 1999050084 A

Related application PCT: WO 1999EP2218 A (31 March 1999)

Designated states Regional: DE FR GB IT

Go back to table ◂ Previous Patent member **4** of 8 Next ▸

Search fields – Citations

Field Name	Field Code	Example	Description and Notes
Cited and citing patents	PAR	par(EP 743215) par(AUDI) par(20130227)	Includes all cited and citing patent content. Excludes literature references.
Cited assignee	CTPA	ctpa(AUDI)	The assignee of a cited patent in the document
Cited inventor	CTINV	ctinv(YAMADA E)	The inventor of a cited patent in the document
Cited non-patent literature	NPL	npl(Toyota and engine)	
Cited patent publication date	CTDA	ctda(20001107) ctda(200011) ctda(2000)	The publication date of a cited patent in the document
Cited patent publication number	CTPN	ctpn(US 6142907)	The patent number of a cited patent in the document
Cited references - all	REF	ref(EP 743215) ref(AUDI) ref(Toyota and engine)	Includes cited/citing patent and cited literature
Citing assignee	CGPA	cgpa(TOYOTA)	The assignee of a patent that has cited the document
Citing inventor	CGINV	cginv(KÜPPER)	The inventor of a patent that has cited the document.
Citing patent publication date	CGDA	cgda(20110525) cgda(201105) cgda(2011)	The publication date of a patent that has cited the document.
Citing patent publication number	CGPN	cgpn(CN 101198503)	The publication number of a patent that has cited the document.
Number of cited patents	NCP	ncp(19)	NCP is a non-numeric field. This is the total number of unique cited patents for the family.
Number of citing patents	NCBP	ncbp(85)	NCBP is a non-numeric field. This is the total number of unique citing patents for the family.
Number of cited literature references	NR	nr(<5) nr(4)	The number of non-patent (literature) references. NR is a numeric field.
Relevance category	RI	ri(y)	A cited reference may include single letter codes that indicate how it is relevant to the patent.

Search fields

Field Name	Field Code	Example	Description and Notes
Accession number	AN	an(1999610827)	A unique document identification number assigned by the information provider.
All fields + text		Toyota engine	Searching without a field code searches all fields
Any patent number	PNUM	pnum(WO 50084) pnum(50084) pnum(WO1999050084A1) pnum(WO1999050084) pnum(1999050084)	Includes application, priority application, related application, and related publication number. Enhanced/variant forms of the number are also searchable.
Application country[3]	APC	apc(wo) apc(de)	Includes application, priority application, and related application country.
Application date[3]	APD	apd(19990331)	Searches the main and equivalent application date.
Application dates – all[3]	APDA	apda(20020402)	Includes application, priority, and related application dates.
Application number[3]	APN	apn(WO 1999EP2218)	Searches the main and equivalent application number.

[3] Non-priority application data is included from DWPI Update 198409.

Field Name	Field Code	Example	Description and Notes
Application numbers – all[3]	APNA	apna(JP 2000541019)	Includes application, priority application, and related application numbers.
Author[4]	AU	au("Revermann, K")	Author names in patent databases are inventors but can be searched using the AU field code.
Company information	CO	co(ISAD ELECTRONIC SYSTEMS)	Includes Derwent-standardized and original patent assignee.
Designated states	DS	ds(FR)	
Derwent enhanced title[5]	DTI	dti(hybrid)	
Derwent Week	DW	dw(199952) dw(200320)	
Document type	DTYPE	dtype(patent)	The only document type in DPCI is “patent”.
First available	FAV	fav(2012-12-10)	The first time a document was loaded in a database (DPCI). It does not change however many times the record is subsequently reloaded.
From database[6]	FDB	co(ISAD ELECTRONIC SYSTEMS) and fdb(1008359)	Useful in multi-database searches to isolate records from a single database.
Inventor	INV	inv("Revermann, K")	Inventor names are also searchable using the AU field code.
Language[7]	LA	la(german) la(ger)	The language in which the document was originally published.
Last update date	LUPD	lupd(2013-03-15)	The most recent date the document was updated.
Number of countries	NCN	ncn(21)	NCN is a numeric field.
Number of patents in family	NPF	npf(8)	NPF is a numeric field.
Patent assignee	PA	pa(ISAD ELECTRONIC SYSTEMS) pa(CTIS)	Searches both patent assignee and code
Patent assignee code	PACD	pacd(ISAD)	Searches standardized patent assignee code
Patent publication country	PBC	pbc(EP)	Searches the 2-letter ISO standard country code for the basic, equivalent and related publication country.
Patent publication country and kind code	KC	kc(ep a1) kc(ep)	The kind code indicates the publication level of a patent document. KC searches basic, equivalent and related publication country and kind, or the country only.
Patent publication date[8]	PD	pd(20041014) pd(200410) pd(2004)	Searches the main publication date. Also searchable via the Look Up Patent tool.
Patent publication dates – all[8]	PDA	pda(19990331) pda(199903) pda(1999)	Includes main and related publication dates.
Patent publication number	PN	pn(WO1999050084)	Searches only the main publication number.
Patent publication numbers – all	PNA	pna(WO1999050084) pna(JP 2002510007)	Includes main, equivalent and related publication numbers.
Patent title[5]	TI	ti(hybrid)	
Priority application country	PPC	ppc(de)	The 2-letter ISO-standard country code associated with the priority application number.
Priority application date	PRD	prd(19980331) prd(199803)	Searches the date assigned to a priority application number.

[4] Present from 1978 forward. Last name of author limited to 10 characters prior to DWPI Update 199216.
[5] Use adjacency and/or Boolean operators to narrow search results
[6] FDB searches the database ID. Click the “Field codes” hyperlink at the top right of the Advanced Search page. Click “Search syntax and field codes, then click on FDB command” to get a list of database names and codes that can be searched with FDB. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.
[7] Prior to DPCI Update 199216, language was coded only for EP and WO patents. Language may not be present if the language of the document is the primary language of the patent country
[8] Patent dates may be missing for some records prior to 1974.

Field Name	Field Code	Example	Description and Notes
		prd(1998)	
Priority application number	PRN	prn(DE19814402)	The priority application number is the number assigned to the original or first application.
Publication title	PUB	pub(Patents Citation Index)	In a patent database, the publication title is generally the database name.
Publication type	PT	pt("Government & Official Publications")	The only publication type in Derwent Patents Citation Index is "Government & Official Publications".
Related publication and application type	DT	dt(continuation)	Searches type of related publication and application, such as PCT, Continuation in part, etc.
Updates	UD	ud(2013-03-15)	The date(s) the record was loaded as a result of an update provided by the supplier.
US field of search	CLFS	clfs(f02D 9/0)	Searches class codes applied by examiners

Field codes may be used in searches entered on the Basic Search, Advanced Search and Command Line Search pages. The tools available for searching are ***Search Fields***, ***Limit Options***, ***Browse Fields***, ***"Narrow Results By" Limiters***, and ***Look Up Patent***. Each is listed separately below. Some data can be searched using more than one tool.

Limit options

Limit options are quick and easy ways of searching certain common concepts. **Date limiters** are available in which you can select single dates or ranges for:

Publication date and **updated** date.

Browse fields

You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form.

Look Up lists are available in the Advanced Search drop-down fields for:

Cited assignee, Cited inventor, Citing assignee, Citing inventor, and **Publication kind code.**

Separate Look Up lists are available in search options for:

cited or citing **Patent assignee, Inventor,** and **Patent number.**

"Narrow Results By" limiters

When results of a search are presented, the results display is accompanied by a list of "Narrow results by" options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on the term to apply it to ("narrow") your search results. "Narrow results by" limiters include:

Patent assignee, Patent assignee country, Inventor, Patent publication country, Publication kind code, Classification (IPC), Classification (CPC), Database (appears when searching multiple databases), and **Publication date.**

Look up patent

If you need to trace a particular patent, use the Look Up Patent feature. Find a link to this toward the top of the Basic Search, Advanced Search, or Command Line Search page; click this and you will go to a page where you can enter any known details of the patent, including: Number, Patent title, Assignee, Inventor, Publication date, and Application date.

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Outside North America **00 800 33 DIALOG (00 800 33 34 2564)**