

PCTFULL (Patent Cooperation Treaty Full-text)

Subject Coverage	<ul style="list-style-type: none"> All patent-relevant areas of science and technology, i.e., all classes of the International Patent Classification 		
File Type	Full-text		
Features	Thesauri	International Patent Classification (/IPC), European Patent Classification (/EPC), Cooperative Patent Classification (/CPC)	
	Alerts (SDIs)	Weekly	
	CAS Registry Number® Identifiers	<input type="checkbox"/>	SLART <input checked="" type="checkbox"/>
	Keep & Share	<input checked="" type="checkbox"/>	Structures <input type="checkbox"/>
Record Content	<ul style="list-style-type: none"> Full-text of PCT (Patent Cooperation Treaty) published applications issued under the auspices of the World Intellectual Property Organization (WIPO) (currently 156 contracting states) since 1978. Records contain bibliographic data including patent applicant, inventor and legal representative information, patent, application and priority application data, IPC, CPC, and EPC classification codes plus the searchable text of the complete documents, comprising titles, abstracts, detailed description and claims. The text fields are generally available in one or more of the official WIPO languages, English, French, German, Spanish, Portuguese, Japanese, Chinese, Korean, and Russian. English machine translations of title, abstract, description, and claims are available for French, Spanish/Castilian, Portuguese, German, Russian, Japanese, Chinese, and Korean. Patent applicant, inventor, and legal representative information (names and addresses) as well as titles and abstracts originally in Russian, Chinese, Japanese, and Korean is available in an English transliteration (searchable, displayable, and selectable). Original national characters (e.g. accents, Umlaut, Cyrillic or Asian characters) are available for display in the respective 'Original Language' fields. Independent claims and claim groups are searchable for all claims in English. Standardized and normalized patent assignee names are searchable in their own fields /PAS and /PAN. Numeric values of 59 physical and chemical properties are searchable in about 20,000 variants of the base and additional units within all full text fields in English. Key terms, indexed and displayed in the field /KT, enhance retrieval of relevant results, and make the evaluation of results more efficient. They are useful to broaden search scope more precisely than Basic Index searches. The Field Availability Index contains information on the availability of name (applicants, inventors, agents) or text fields (titles, abstracts, descriptions, claims) in various languages. Full-text has been created by Optical Character Recognition (OCR) software. Therefore, a small number of characters may have been misinterpreted, or portions of the text may have been incompletely recognized. Clipped images (mostly front-page images) are included, when available. 		
File Size	<ul style="list-style-type: none"> More than 4.4 million records (11/2022) More than 4.1 million front page images (11/2022) 		
Coverage	1978–present		

Updates	Weekly
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Languages	English, French, German, Spanish
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Database Producer	LexisNexis Univentio BV Galileiweg 8 2333 BD Leiden The Netherlands Phone: (+31) 88-6390000 Email: customersupport@univentio.com Copyright Holder
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Sources	<ul style="list-style-type: none">• PCT/WIPO full-text documents
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User Aids	<ul style="list-style-type: none">• Online Helps (HELP DIRECTORY lists all help messages available)• Help for numeric property search: HELP NPS• Help for key terms: HELP KEY TERMS• Help for normalized patent assignee names: HELP PAN• Help for search fields Independent Claims and Claim Groups: HELP CLAIMS• STNGUIDE
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Cluster	<ul style="list-style-type: none">• AEROTECH• ALLBIB• AUTHORS• CORPSOURCE• ENGINEERING• FULLTEXT• HPATENTS• NPS• PATENTS• PHARMACOLOGY• PNTTEXT STN Database Cluster information: http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features
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Search and Display Field Codes

If multiple search terms are linked with and AND-operator, all terms are searched in the complete database record, i.e. in all publications referring to one application. For a search in a specific publication of the record, connect the search term and the patent kind code with the (L)-proximity operator, e.g. S HOLOGRA?(S)?LASER? (L) WOA1/PK limits the search to WIPO applications WOA1.

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the titles (TIEN, TIFR, TIDE, TIES, TIOL), abstracts (ABEN, ABDE, ABES, ABFR, ABOL), claims (CLMEN, CLMFR, CLMDE, CLMES, CLMOL), detailed description (DETDEN, DETFR, DETDDE, DETDES, DETDOL), and key terms (KT) fields)	None or /BI	S DIPHENYLETHER S HOLOGRA?(S)?LASER? S CHOLESTEROL SERIQUE S COMBUSTION INTERNA S LEITERPLATTEN	ABDE, ABEN, ABES, ABFR, ABOL, CLMDE, CLMEN, CLMES, CLMFR, CLMOL, DETDEN, DETDDE, DETDES, DETDFR, DETDOL, TIDE, TIEN, TIES, TIFR, TIOL, KT
Abstract* (ABDE, ABEN, ABES, ABFR, ABOL)	/AB	S INTERMEDIATE BODY/AB S COMMUTATEUR/AB	AB (ABDE, ABEN, ABES, ABFR, ABOL)
Abstract in English	/ABEN	S MANAGEMENT SYSTEM?/ABEN	ABEN
Abstract in French	/ABFR	S KALLICREINE?/ABFR	ABFR
Abstract in German	/ABDE	S (IMPLANTATE AND HERSTELLUNG)/ABDE	ABDE
Abstract in Spanish	/ABES	S PRODUCTO APILDO/ABES	ABES
Abstract (other language)	/ABOL	S CATALISA? ACID?/ABOL	ABOL
Accession Number	/AN	S 2009036474/AN	AN
Agent (1)	/AG	S PEIST K?/AG	AG
Agent Address	/AGA	S (BAVARIASSTRASSE (S) MUENCHEN)/AGA	AG
Agent, Country (WIPO code and text)	/AG.CNY	S BE/AG.CNY	AG, AG.CNY
Agent, Total (1)	/AG.T	S BELGIUM/AG.CNY	AG
Application Country (WIPO code and text)	/AC	S (PFIZER (S) NEW YORK)/AG.T S L1 AND WO/AC	AG AI
Application Date (2)	/AD	S MAY-JUN 1999/AD	AI
Application Number (3)	/AP	S WO1999-DE1002/AP	AI
Application Number, Original	/APO	S WOEG03000010/APO	APO
Application Year (2)	/AY	S 2019-2020/AY	AI
Claims* (CLMDE, CLMEN, CLMES, CLMFR, CLMOL)	/CLM	S COBALT SALTS/CLM	CLM (CLMDE, CLMEN, CLMES, CLMFR, CLMOL)
Claims in English	/CLMEN	S INORGANIC ACIDS/CLMEN	CLMEN
Claims in French	/CLMFR	S COMPOSE DE FORMULE/CLMFR	CLMFR
Claims in German	/CLMDE	S KNOCHENSCHRAUBE?/CLMDE	CLMDE
Claims in Spanish	/CLMES	S (TELEFON? (3A) MOVIL)/CLMES	CLMES
Claims in Other Language	/CLMOL	S COMPLEX? DERIVA?/CLMOL	CLMOL
Claims, Claim Groups	/CLM.CG	S OFFICE CHAIR/CLM.CG	CLM.CG, CLMEN, CLM
Claims, Independent Claims	/CLM.IC	S OFFICE CHAIR/CLM.IC	CLM.IC, CLMEN, CLM

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Cooperative Patent Classification (4)	/CPC	S C12N0009/CPC	CPC
Cooperative Patent Classification, Action Date	/CPC.ACD	S 20121113/CPC.ACD	CPC.TAB
Cooperative Patent Classification, Keywords	/CPC.KW	S C12N0009/CPC (S) I/CPC.KW	CPC.TAB
Cooperative Patent Classification, Version	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Data Entry Date (2)	/DED	S JAN 2008/DED	DED
Data Update Date (2)	/DUPD	S DUPD=JAN 2010	DUPD
Designated States (WIPO code and text)	/DS	S RW CH/DS	DS
Detailed Description (English)	/DETDEN	S OFFICE CHAIR/DETDEN	DETDEN, DETD
Document Type (code and text)	/DT (or /TC)	S FULLTEXT/DT AND L2	DT
Entry Date (2)	/ED	S ED>20100701	ED
Entry Date, Full-text (2)	/EDTX	S 20101203/EDTX	EDTX
EPC Classification (4)	/EPC (or /ECLA or /EPCLA)	S G01H0001-00B/EPC	EPC
EPC, Keyword Terms	/EPC.KW	S B2A/EPC.KW	EPC
Field Availability	/FA	S ABDE/FA	FA
International Patent Classification (ICM, ICS)	/IC (or /IPCMS)	S A24B/IC	IC
International Patent Classification (ICM, ICS, ICA, ICI, IPCI, IPCR) (4)	/IPC	S A01B0001-02/IPC S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC	IPC
International Patent Classification, Action Date	/IPC.ACD	S 21 JUL 2007/IPC.ACD	IPC.TAB
International Patent Classification, Advanced	/ICA (or /IPCA)	S B01D005-00/ICA	IPC, ICA
International Patent Classification, Index	/ICI (or /IPCIN)	S C02F003-30/ICI	IPC, ICI
International Patent Classification, Initial	/IPCI	S B25D0001-16/IPCI	IPC, IPCI
International Patent Classification, Keywords	/IPC.KW	S C12N0009/IPC (S) I/IPC.KW	IPC.TAB
International Patent Classification, Main	/ICM (or /IPCM)	S A01N001/ICM S A01B059-06/ICM	ICM
International Patent Classification, Reclassified	/IPCR	S B25D0017-00/IPCR	IPC, IPCR
International Patent Classification, Reform	/IPC.REF	S B25F0005-00/IPC.REF	IPC.TAB
International Patent Classification, Secondary	/ICS (or /IPCS)	S A01G023/ICS	ICS
Inventor Address	/INA	S SANDBANK/IN AND MUENCHEN/INA	IN
Inventor Name	/IN (or /AU)	S MANG WILHELM/IN S ABBOTT CURTIS/AU	IN
Inventor, Country (WIPO code and text)	/IN.CNY	S AU/IN.CNY	IN, IN.CNY
Inventor, Nationality (WIPO code)	/IN.NAT	S AU/IN.NAT	IN
Inventor, Residence (WIPO code)	/IN.RES	S AU/PA.RES	IN
Inventor, Total (1)	/IN.T	S ANDREAS KRAMER ZUERICH/IN.T	IN

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
IPC, Edition IPC, Version Language (ISO code and text)	/IC.VER /IPC.VER /LA	S C08J005/IC AND 7/IC.VER S 20060101/IPC.VER S FR/LA S FRENCH/LA	IPC.TAB IPC.TAB LA
Language, Filing (ISO code and text)	/LAF	S EN/LAF S ENGLISH/LAF	LAF
Key Terms* Main Claim* (MCLMDE, MCLMEN, MCLMES, MCLMFR, MCLMOL)	/KT /MCLM	S "GALACTOSE OXIDASE"/KT S (COMPOSITION? (S) CHIRAL?)/MCLM	KT MCLM (MCLMDE, MCLMEN, MCLMES, MCLMFR, MCLMOL)
Main Claim in English	/MCLMEN	S TOUCH (5A) SCREEN/MCLMEN	MCLMEN
Main Claim in French	/MCLMFR	S ADN/MCLMFR	MCLMFR
Main Claim in German	/MCLMDE	S THERMOPLAST?/MCLMDE	MCLMDE
Main Claim in Spanish	/MCLMES	S COMPOSICION?/MCLMES	MCLMES
Number of Claims (2)	/CLMN	S 10-13/CLMN	CLMN
Number of Description Paragraphs (2)	/DETN	S DETN<9	DETN
Patent Assignee Address	/PAA	S DALPHI METAL/PA AND MADRID/PAA	PA
Patent Assignee Name (1)	/PA (or /CS)	S BROWN WILLIAMSON/PA	PA
Patent Assignee, Country (WIPO code and text)	/PA.CNY	S IL/PA.CNY	PA, PA.CNY
Patent Assignee, Nationality (WIPO code)	/PA.NAT	S CU/PA.NAT	PA
Patent Assignee, Residence (WIPO code)	/PA.RES	S KR/PA.RES	PA
Patent Assignee, Total (1)	/PA.T	S SANDISK IL/PA.T	PA
Patent Applicant Normalized	/PAN	S BASF/PAN	PAN
Patent Applicant Standardized	/PAS	S BASF COATINGS/PAS	PAS
Patent Country (WIPO code and text)	/PC	S WO/PC	PI
Patent Kind Code	/PK	S WOA2/PK	PI
Patent Number (3)	/PN (or /PATS)	S WO2009006253/PN	PI, PATS
Patent Number with Kind Code	/PNK	S WO2009006253A2/PNK S WO2009006253 A2/PNK	PI, PATS
Patent Number, Original	/PNO	S WO0079849/PNO	PNO
Physical Properties	/PHP	S VOLT/PHP (S) TOUCH SCREEN/BI	KWIC
Priority Country (WIPO code and text)	/PRC	S AU/PRC S AUSTRALIA/PRC	PRAI
Priority Date (2)	/PRD	S JAN-FEB 1999/PRD	PRAI
Priority Date, First (2)	/PRDF	S 19950831/PRDF	PRAI
Priority Number (3)	/PRN	S US1972-262661/PRN	PRAI
Priority Number, Original	/PRNO	S US61120345/PRNO	PRAO
Priority Year (2)	/PRY	S L1 AND PRY>1999	PRAI
Priority Year, First (2)	/PRYF	S L1 AND 1998/PRYF	PRAI
Publication Date (2)	/PD	S 19911202/PD	PI
Publication Year (2)	/PY	S 2019/PY	PI
Title* (TIDE, TIEN, TIES, TIFR, TIOL)	/TI	S DRILLING FLUID#/TI	TI (TIEN, TIDE, TIES, TIFR, TIOL)

PCTFULL**General Search Fields (cont'd)**

Search Field Name	Search Code	Search Examples	Display Codes
Title (English)	/TIEN	S STRIPPING DEVICE/TIEN	TIEN
Title (French)	/TIFR	S TRAITMENT? ULTERIEUR/TIFR	TIFR
Title (German)	/TIDE	S TELEKOMMUNIKATION?/TIDE	TIDE
Title (Spanish)	/TIES	S TURBIN?/TIES	TIES
Title (other language)	/TIOL	S (DISPOSITIV? AND MEDIC?)/TIOL	TIOL
Update Date (2)	/UP	S 20220820UP	UP
Update Date Text (2)	/UPTX	S 20220629/UPTX	UPTX

- (1) Search with implied (S) proximity is available in this field.
(2) Numeric search field that may be searched using numeric operators or ranges.
(3) Either STN or Derwent format may be used.
(4) An online thesaurus is available in this field.

Super Search Fields

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group (1)	/APPS	AP, PRN, RLN	S WO2009-ZA72/APPS	AI, PRAI, APPS
Patent Assignee Group	/PASS	PA, PA.T, PAN, PAS	S BASF/PASS	PA, PAN, PAS
Patent Countries (WIPO code and text)	/PCS	DS, PC	S GB/PCS	PI, DS

- (1) Either STN or Derwent format may be used.

Property Fields ¹⁾

In PCTFULL a numeric search for a specific set of physical properties (/PHP) is available within the English full-text fields (TIEN, ABEN, DETDEN, and CLMEN). The numeric values are not displayed as single fields, but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CATA	Catalytic Activity	Katal	kat	
/CDN	Current Density	Ampere/Square Meter	A/m ²	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	°	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass Concentration)	Kilogram/Cubic Meter	kg/m ³	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/kg/day	
/DOS (LD50)	Dose	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECH (/CHA)	Electric Charge	Coulomb	C	S 0.0001-0.001/ECH
/ECO (/ECND)	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
/ELC (/ECC)	Electric Current	Ampere	A	S 1-10/ELC
/ELF (/ECF)	Electric Field	Volt/Meter	V/m	S 200/ELF
/ENE	Energy	Joule	J	S DROPLETS (10A) 40 JOULE - 70 JOULE /ENE
/ERE (/ERES)	Electrical Resistivity	Ohm * Meter	Ohm * m	S ERE>0.1
/FOR	Force	Newton	N	S 50 N /FOR
/FRE (/F)	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) VITAMIN A
/KV	Viscosity, kinematic	Square Meter/Second	m ² /s	S METHYLPOLYSILOXANES/BI (10A) 200-300 CST /KV
/LEN (/SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous Emittance, Illuminance	Lux	lx	S 10-50/LUME
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=1
/MFD (/MFS)	Magnetic Flux	Tesla	T	S MFD>102
/MFR (/MFL)	Density			
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM

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PCTFULL

Field Code	Property	Unit	Symbol	Search Examples
/MOLS /MVR	Molality of Substance Melt Volume Rate, Melt Flow Rate	Mol/Kilogram none	mol/kg g/10 min	S 01.-10 MOL/KG/MOLS S 3/MVR
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PHV (/PH)	pH Value	pH	pH	S 7.4-7.6/PHV
/POW (/PW)	Power	Watt	W	S "HG-XE-?"/BI (S) 100-200 WATT/POW
/PPM	Parts per million	Ppm	ppm	S 100 PPM /PPM (10A) ADDITIVE/BI
/PRES (/P)	Pressure	Pascal	Pa	S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD	Radioactivity	Becquerel	Bq	S RAD/PHP
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RI	Refractive Index	none		S 3-4/RI
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Area /Surface Area	Square Meter	m ²	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB)	Solubility	Gram/100 gram	g/100 g	S SOL>20 G/100G (5A) WATER
/SSAM	Specific Surface Area, Mass	Square Meter/ Kilogram	m ² /kg	
/STSC (/ST)	Surface Tension	Joule /Square Meter	J/m ²	S 60 J/M**2/STSC
/TCO (/TCND)	Thermal Conductivity	Watt/Meter * Kelvin	W/m * K	S 1/TCO (S) HEAT?
/TEMP (/T)	Temperature	Kelvin	K	S 20-25/TEMP
/TEX	Tex	Gram/Kilometer	g/km	
/TIM	Time	Second	s	S ?INCUB?/BI (10A) 50 S - 150 S /TIM
/VEL (/V)	Velocity	Meter per Second	m/s	S REDUC?/BI (S) 1E-3-5E-3/VEL
/VELA	Velocity, angular	Radian/Second	rad/s	S VELA>10
/VLR	Volumetric Flow Rate	Cubic Meter/Second	m ³ /s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m ³	S 1E-8-2E-8/VOL.EX
/VOLT	Voltage	Volt	V	S TENSION/BI (10A) 5E-3 V <VOLT<7E-3 V

(1) Exponential format is recommended for the search of particularly high or low values, e.g. 1.8E+7 or 1.8E7 (for 18000000) and 9.2E-8 (for 0.000000092).

IPC Thesaurus

The classifications, validity and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1–7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1–7, use the field code followed by the edition number, e.g. /IPC2 for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th edition.

Relationship Code	Content	Search Examples
ADVANCED (ADV)	Advanced Codes for the Core Level IPC Code	E A61K0006-02+ADVANCED/IPC
ALL	All Associated Terms (BT, SELF, NT, RT)	E C01C003-00+ALL/IPC
BRO (MAN)	Complete Class	E C01C+BRO/IPC
BT	Broader Term (BT, SELF)	E C01F001-00+BT/IPC
CORE (COR)	Core Codes for the Advanced Level IPC Code	E G08C0019-22+CORE/IPC
ED	Complete title of the SELF term and IPC manual edition	E C01F001-00+ED/IPC
HIE	Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E C01B003-00+HIE/IPC
INDEX	Complete title of the SELF term	E C01F001-00+INDEX/IPC
KT	Keyword Term (catchwords) (SELF, KT)	E CYANOGEN+KT/IPC
NEXT	Next Classification	E C01C001-00+NEXT5/IPC
NT	Narrower Terms (SELF, NT)	E C01C+NT/IPC
PREV	Previous Classification	E C01C001-12+PREV10/IPC
RT (SIB)	Related Terms (SELF, RT)	E C01C003-20+RT/IPC
TI	Complete Title of SELF Term and Broader Terms (BT, SELF)	E C01F001-00+TI/IPC

ECLA (/EPC) Thesaurus

This thesaurus is available in the /EPC search field (for ECLA codes). All relationship codes can be used with both the EXPAND and SEARCH commands.

Relationship Code	Content	Search Examples
ALL	All usually required terms (BT, SELF, CODE, DEF)	E C12M0001-34H2+ALL/EPC
AUTO (1)	Automatic relationship (BT, SELF, CODE, DEF)	E G01J003-443+AUTO/EPC
BT	Broader terms (BT, SELF)	E G01J0003-443+BT/EPC
CODE	Classification Code (SELF, CODE)	E CARTRIDGES+CODE/EPC
DEF	Definition (SELF, DEF)	E B65G0045-16+DEF/EPC
HIE	Hierarchy terms (Broader and Narrower terms) (BT, SELF, DEF, NT)	E A01B0001+HIE/EPC
KT	Keyword terms (SELF, KT)	E LASER+KT/EPC
MAX	All associated terms	E G01J0003-44B+MAX/EPC
NEXT	Next classification within the same class (SELF, NEXT)	E A01B0001-24+NEXT/EPC
NEXT(n)	Next n classification within the same class	E A01B0001-24+NEXT3/EPC
NT	Narrower terms	E G05B0001-04+NT/EPC
PREV	Previous Code within the same class (SELF, PREV)	E G05B0019-418N1+PREV/EPC
PREV(n)	Previous n classifications within the same class	E G05B0019-418N1+PREV2/EPC
TI	Complete Title of SELF Term and Broader Terms (BT, SELF)	E G05B0001-03+TI/EPC

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

PCTFULL**CPC Thesaurus**

This thesaurus is available in the /CPC search field. All relationship codes can be used with both the EXPAND and SEARCH commands.

Relationship Code	Content	Search Examples
ALL	All usually required terms (BT, SELF, CODE, DEF)	E C12M0001-005+ALL/CPC
AUTO (1)	Automatic relationship (BT, SELF, CODE, DEF)	E G01J003-443+AUTO/CPC
BT	Broader terms (BT, SELF)	E G01J003-443+BT/CPC
CODE	Classification Code (SELF, CODE)	E CARTRIDGES+CODE/CPC
DEF	Definition (SELF, DEF)	E B65G0045-16+DEF/CPC
HIE	Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)	E A01B0001+HIE/CPC
KT	Keyword terms (SELF, KT)	E LASER+KT/CPC
MAX	All associated terms	E G01J003-44+MAX/CPC
NEXT	Next classification within the same class (SELF, NEXT)	E A01B0001-24+NEXT/CPC
NEXT(n)	Next n classification within the same class	E A01B0001-24+NEXT3/CPC
NT	Narrower terms	E G05B0001-04+NT/CPC
PREV	Previous Code within the same class (SELF, PREV)	E G05B0019-00+PREV/CPC
PREV(n)	Previous n classifications within the same class	E G05B0019-00+PREV2/CPC
TI	Complete Title of SELF Term and Broader Terms (BT, SELF)	E G05B0001-03+TI/CPC

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI IN. The fields are displayed or printed in the requested order. To display the content for all levels of the record you can combine all display fields and formats with the qualifier .M except FA, SCAN, and TRIAL.

For displaying a particular publication level of a database record, you can simply add for certain display field the kind code to the appropriate display format, e.g. ALL.A1. A number (2) indicates fields that allow this.

The default display format is STD.M, i.e., all publication levels of one family in the STD format.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract (all abstracts)	D AB
ABDE	Abstract (German)	D ABDE
ABEN	Abstract (English)	D ABEN
ABES	Abstract (Spanish)	D ABES
ABFR	Abstract (French)	D ABFR
ABJA	Abstract (Japanese)	D ABJA
ABKO	Abstract (Korean)	D ABKO
ABOL	Abstract (other language)	D ABOL
ABOR	Abstracts in ABDE, ABES, ABFR, and ABOL with diacritics	D ABOR
ABRU	Abstract (Russian)	D ABRU
ABZH	Abstract (Chinese)	D ABZH
AG	Agent	D AG
AG.CNY	Agent, Country	D AG.CNY
AGJA	Agent (Japanese)	D AGJA
AGKO	Agent (Korean)	D AGKO
AGRU	Agent (Russian)	D AGRU
AGZH	Agent (Chinese)	D AGZH
AI (AP) (1)	Application Information	D AI
AN	Accession Number	D AN

DISPLAY and PRINT Formats (con't)

Format	Content	Examples
APO (AIO)	Application Number Original	D APO
APPS	Application Number Group	D APPS
CLM (2)	Claims (all languages)	D CLM
CLM.CG (2)	Claims, Claim Groups	D CLM.CG
CLM.IC (2)	Claims, Independent Claims	D CLM.IC
CLMDE (2)	Claims (German)	D CLMDE
CLMEN (2)	Claims (English)	D CLMEN
CLMES (2)	Claims (Spanish)	D CLMES
CLMFR (2)	Claims (French)	D CLMFR
CLMJA (2)	Claims (Japanese)	D CLMJA
CLMKO (2)	Claims (Korean)	D CLMKO
CLMN	Number of Claims	D CLMN
CLMOL (2)	Claims (other language)	D CLMOL
CLMOR (2)	Claims in CLMDE, CLMES, CLMFR, and CLMOL with diacritics	D CLMOR
CLMRU (2)	Claims (Russian)	D CLMRU
CLMZH (2)	Claims (Chinese)	D CLMZH
CPC	Cooperative Patent Classification	D CPC
CPC.TAB	CPC, tabular format	D CPC.TAB
DED	Data Entry Date	D DED
DETD (2)	Detailed Description	D DETD
DETDDE (2)	Detailed Description (German)	D DETDDE
DETDEN (2)	Detailed Description (English)	D DETDEN
DETDDES (2)	Detailed Description (Spanish)	D DETDES
DETDFR (2)	Detailed Description (French)	D DETDFR
DETDJA (2)	Detailed Description (Japanese)	D DETDJA
DETDKO (2)	Detailed Description (Korean)	D DETDKO
DETDOL (2)	Detailed Description (other language)	D DETDOL
DETDOR (2)	Detailed Description in DETDDE, DETDES, DETDFR, and DETDOL with diacritics	D DETDOR
DETDRO (2)	Detailed Description (Russian)	D DETDRO
DETDZH (2)	Detailed Description (Chinese)	D DETDZH
DETN	Number of Paragraphs in DETD	D DETN
DS	Designated State	D DS
DT (TC)	Document Type	D TC
DUPD	Data Update Date	D DUPD
ED	Entry Date	D ED
EDP	Entry Date Patent	D EDP
EDTX	Entry Date Full-text	D EDTX
EPC (ECLA, EPCLA)	EPC Classification	D EPC
FA	Field Availability	D FA
GI	Graphic Image	D GI
IC (IPCM)	IPC (ICM, ICS)	D IC
ICA (IPCA)	IPC, Additional	D ICA
ICI (IPCIN)	IPC, Index	D ICI
ICM (IPCM)	IPC, Main	D ICM
ICS (IPCS)	IPC, Secondary	D ICS
IN (AU)	Inventor	D IN
IN.CNY	Inventor, Country	D IN.CNY
INJA	Inventor (Japanese)	D INJA
INKO	Inventor (Korean)	D INKO
INRU	Inventor (Russian)	D INRU
INZH	Inventor (Chinese)	D INZH
IPC	IPC (ICA, ICI, ICM, ICS, IPCI, IPCR)	D IPC
IPC.TAB	IPC, tabular format	D IPC.TAB

DISPLAY and PRINT Formats (con't)

Format	Content	Examples
IPCI IPCR KT LA LAF MCLM MCLMDE MCLMEN MCLMES MCLMFR MCLMJA MCLMKO MCLMOL MCLMOR MCLMRU MCLMZH PA (CS) PA.CNY PAJA PAKO PAN PARU PAS PAZH PI (PN) (1) PNK PNO PRAI (PRN) (1) PRAO (PRNO) TI TIDE TIEN TIES TIFR TIJA TIKO TIOL TIOR TIRU TIZH UP UPTX	IPC, Initial IPC, Reclassified Key Terms Language Language, Filing Main Claims (all languages) Main Claim (German) Main Claim(English) Main Claim (Spanish) Main Claim (French) Main Claim (Japanese) Main Claim (Korean) Main Claim other language Main Claim in MCLMDE, MCLMES, MCLMFR, and MCLMOL with diacritics Main Claim (Russian) Main Claim (Chinese) Patent Assignee Patent Assignee, Country Patent Assignee (Japanese) Patent Assignee (Korean) Patent Applicant Normalized Patent Assignee (Russian) Patent Applicant Standardized Patent Assignee (Chinese) Patent Information Patent Number/Kind Code Patent Number Original Priority Information Priority Information, Original Title (all titles in all languages) Title (German) Title (English) Title (Spanish) Title (French) Title (Japanese) Title (Korean) Title (other language) Titles in TIDE, TIES, TIFR, and TIOL with diacritics Title (Russian) Title (Chinese) Update Date Update Date Text	D IPCI D IPCR D KT D LA D LAF D MCLM D MCLMDE D MCLMEN D MCLMES D MCLMFR D MCLMJA D MCLMKO D MCLMOL D MCLMOR D MCLMRU D MCLMZH D PA D PA D PA.CNY D PAJA D PAKO D PAN D PARU D PAS D PAZH D PI D PNK D PNO D PRAI D PRNO D TI D TIDE D TIEN D TIES D TIFR D TIJA D TIKO D TIOL D TIOR D TIRU D TIZH UP UPTX
ABS ALL (MAX) (1) ALLG (MAXG) (1) ALLO (MAXO)	ABEN, ABFR, ABES, ABDE, ABOL AN, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, IN, PA, AG, LAF, LA, DT, PI, DS, PIT, AI, PRAI, IPC (ICM, ICS, ICA, ICI, IPCI, IPCR), CPC, EPC, ABEN, ABFR, ABES, ABDE, ABOL, DETDEN, CLMEN, DETDFR, CLMFR, DETDES, CLMES, DETDDE, CLMDE, DETDOL, CLMOL, KT ALL, plus graphic image AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, TIJA or TIKO or TIRU or TIZH, IN, INJA, or INKO or INRU or INZH, PA, PAS, PAN, PAJA or PAKO or PARU or PAZH, AG, AGJA or AGKO or AGJA, LAF, LA, DT, PI, DS, PIT, AI, PRAI, ABEN, ABJA or ABKO or ABRU or ABZH, DETDEN, DETDJA or DETDKO or DETDZH, CLMEN, CLMJA or CLMKO or CLMRU or CLMZH, KT	D ABS D ALL D ALLG D ALLO

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
DALL (1) IALL (IMAX) (1) IALLG (IMAXG) (1) APPS (1) BIB (1)	ALL, delimited for post processing ALL, indented with text labels IALL, plus graphic image AI, PRAI AN, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, IN, PA, AG, LAF, LA, DT, PI, DS, PIT, AI, PRAI	D DALL D IALL D IALLG D APPS D BIB
BIBG (1) BIBO	BIB, plus graphic image AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, TIJA or TIKO or TIRU or TIZH, IN, INJA or INKO or INRU or INZH, PA, PAS, PAN, PAJA or PAKO or PARU or PAZH, AG, AGJA or AGKO or AGJA, LAF, LA, DT, PI, PIT, DS, AI, PRAI	D BIBG D BIBO
IBIB (1) IBIBG (1) BRIEF (1)	BIB, indented with text labels IBIB, plus graphic image AN, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, IN, PA, AG, LAF, LA, DT, PI, DS, PIT, AI, PRAI, IPC (ICM, ICS, ICA, ICI, IPCI, IPCR), CPC, EPC, ABEN, ABFR, ABES, ABDE, ABOL, MCLMEN, MCLMFR, MCLMES, MCLMDE, MCLMOL, KT	D IBIB D IBIBG D BRIEF
BRIEFG (1) BRIEFO	BRIEF, plus graphic image AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, TIJA or TIKO or TIRU or TIZH, IN, INJA or INKO or INRU or INZH, PA, PAS, PAN, PAJA or PAKO or PARU or PAZH, AG, AGJA or AGKO or AGJA, LAF, LA, DT, PI, DS, PIT, AI, PRAI, IND, ABEN, ABJA or ABKO or ABRU, or ABZH, MCLMEN, MCLMJA or MCLMKO or MCLMRU or MCLMZH, KT	D BRIEFG D BRIEFO
IBRIEF (1) IBRIEFG (1) IND CPC.TAB IC IPC.TAB SCAN (3) STD (1) STDG (1) ISTD (1) ISTDG (1) TRIAL (TRI, SAMPLE, SAM, FREE) TX TXO	BRIEF, indented with text labels BRIEFG, indented with text labels IPC, EPC, CPC CPC, CPC.KW, CPC.ACD, CPC.VER in tabular format ICM, ICS, ICA, ICI IPC, IPC.KW, IPC.ACD, IPC.VER in tabular format TIEN, TIFR, TIES, TIDE, TIOL (random display without answer numbers) BIB plus IND (STD.M is the default) STD, plus graphic image STD, indented with text labels ISTD, plus graphic image PK, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, TIES, TIDE, TIOL, FA, DETN, CLMN DETDEN, CLMEN, DETDFR, CLMFR, DETDES, CLMES, DETDDE, CLMDE, DETDOL, CLMOL DETDJA or DETDKO or DETDRU or DETDZH, CLMJA or CLMKO or CLMRU or CLMZH	D IBRIEF D IBRIEFG D IND D CPC.TAB D IC D IPC.TAB D SCAN D STD D STDG D ISTD D ISTDG D TRIAL D TX D TXO
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) Application and patent numbers are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.

(2) You can combine this display field with the qualifier .PK (Patent Kind Code) to display the content for a certain publication level of a record, e.g. STD.A1

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

PCTFULL**SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	N	Y
Abstract (English)	ABEN	N	Y
Abstract (French)	ABFR	N	Y
Abstract (German)	ABDE	N	Y
Abstract (other language)	ABOL	N	Y
Abstract (Spanish)	ABES	N	Y
Accession Number	AN	Y	Y
Agent	AG	Y	Y
Agent Address	AGA	Y	Y
Agent, Country	AG.CNY	Y	Y
Agent, Total	AG.T	Y	Y
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Information	AI (AP)	Y (2)	Y
Application Number Group	APPS	Y (2,3)	Y
Application Number Original	APO	Y	Y
Application Year	AY	Y	Y
CPC Classification	CPC	Y	Y
Data Entry Date	DED	Y	Y
Data Update Date	DUPD	Y	Y
Designated State	DS	Y	Y
Document Type	DT (TC)	Y	Y
Entry Date	ED	Y	Y
Entry Date Full-text	EDTX	Y	Y
EPC Classification	EPC (or ECLA or EPCLA)	Y	Y
Field Availability	FA	Y	Y
International Patent Classification	IC	Y	N
Inventor	IN (AU)	Y	Y
Inventor, Address	INA	Y	Y
Inventor, Country	IN.CNY	Y	Y
Inventor, Nationality	IN.NAT	Y	Y
Inventor, Residence	IN.RES	Y	Y
Inventor, Total	IN.T	Y	Y
IPC (ICM, ICS, ICA, ICI, IPCI, IPCR)	IPC	Y	Y
IPC, Additional	ICA	Y	Y
IPC, Advanced Level Symbols	IPC.A	Y (4)	N
IPC, Advanced Level Symbols for Invention	IPC.AI	Y (4)	N
IPC, Core Level Symbols	IPC.C	Y (4)	N
IPC, Core Level Symbols for Invention	IPC.CI	Y (4)	N
IPC, Index	ICI	Y	Y
IPC, Initial	IPCI	Y	Y
IPC, Main	ICM	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
IPC, Reclassified	IPCR	Y	Y
IPC, Reform	IPC.REF	Y	N
IPC, Secondary	ICS	Y	Y
Key Terms	KT	Y	Y
Language	LA	Y	Y
Language of Filing	LAF	Y	Y
Number of Claims	CLMN	Y	Y
Number of Paragraphs in DETD	DETN	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Patent Assignee	PA (CS)	Y	Y
Patent Assignee Address	PAA	Y	Y
Patent Assignee, Country	PA.CNY	Y	Y
Patent Assignee, Nationality	PA.NAT	Y	Y
Patent Assignee, Residence	PA.RES	Y	Y
Patent Assignee, Total	PA.T	Y	Y
Patent Assignee Normalized	PAN	Y	Y
Patent Assignee Standardized	PAS	Y	Y
Patent Country	PC	Y	Y
Patent Countries	PCS	Y (5)	Y
Patent Kind Code	PK	Y	Y
Patent Information Type	PIT	Y	Y
Patent Number	PN (PI)	Y (2) (default)	Y
Patent Number Group	PATS	Y (2)	Y
Patent Number/Kind Code	PNK	Y	Y
Patent Number Original	PNO	Y	Y
Pre-IPC8 symbols from ICM and first IPC8 values from 2006 onwards	IPC.F	Y (4)	Y
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Date, First	PRDF	Y (6)	Y
Priority Number	PRN (PRAI)	Y (2)	Y
Priority Number, Original	PRNO	Y	Y
Priority Year	PRY	Y	Y
Priority Year, First	PRYF	Y (6)	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Title (all languages)	TI	Y	Y
Title (English)	TIEN	Y	Y
Title (French)	TIFR	Y	Y
Title (German)	TIDE	Y	Y
Title (other language)	TIOL	Y	Y
Title (Spanish)	TIES	Y	Y
Update Date	UP	Y	Y
Update Date Text	UPTX	Y	Y

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) SELECTed and SORTed application, priority and patent numbers are in the format set by the Messenger SET PATENT command, either DERWENT or STN.
- (3) SELECTS or ANALYZES AP and PRN with /APPS appended.
- (4) Appends /IPC to the terms created by SELECT.
- (5) SELECTS or ANALYZES PC and DS with /PCS appended.
- (6) SELECT or ANALYZE HIT are not valid with this field.

PCTFULL

Sample Records

DISPLAY BIB

AN 2021263285 PCTFULL EDP 20220110 ED 20220905 UP 20220905 EDTX 20220905
DED 20220312 DUPD 20220413 Full-text

TIEN LARGE-SCALE PRODUCTION OF EXOSOMES FROM PRIMED MESENCHYMAL STROMAL CELLS
FOR CLINICAL USE

TIFR PRODUCTION A GRANDE ECHELLE D'EXOSOMES A PARTIR DE CELLULES STROMALES
MESENCHYMATEUSES SENSIBILISEES POUR UNE UTILISATION CLINIQUE

IN SHPALL, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell
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REZVANI, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell
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MENDT, Mayela, c/o U.T.M.D. Anderson Cancer Center, Stem Cell
Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065,
Houston, Texas 77030, US, for all designated states

PA BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, 210 West 7th Street,
Austin, Texas 78701, 78701, US, [NAT: US, RES: US], for all designated
states

PAS UNIVERSITY OF TEXAS SYSTEM

PAN UNIVERSITY OF TEXAS

AG MELISSA SISTRUNK, Norton Rose Fulbright US LLP, 1301 McKinney Suite
5100, Houston, Texas 77010, US

LAF English

LA English

DT Patent; (Fulltext)

PI WO 2021263285 A1 20211230

DS W: AE AG AL AM AO AT AU AZ BA BB BG BH BN BR BW BY BZ CA CH
CL CN CO CR CU CZ DE DJ DK DM DO DZ EC EE EG ES FI GB GD
GE GH GM GT HN HR HU ID IL IN IR IS IT JO JP KE KG KH KN
KP KR KW KZ LA LC LK LR LS LU LY MA MD ME MG MK MN MW MX
MY MZ NA NG NI NO NZ OM PA PE PG PH PL PT QA RO RS RU RW
SA SC SD SE SG SK SL ST SV SY TH TJ TM TN TR TT TZ UA UG
US UZ VC VN WS ZA ZM ZW
RW (ARIPO): AP BW GH GM KE LR LS MW MZ NA RW SD SL ST SZ TZ UG ZM ZW
RW (EAPO): EA AM AZ BY KG KZ RU TJ TM
RW (EPO): EP AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE
IS IT LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
RW (OAPI): OA BF BJ CF CG CI CM GA GN GQ GW KM ML MR NE SN TD TG

PIT WO/1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH
REPORT

AI WO 2021-US70772 20210624

PRAI US 2020-63043328 20200624

DISPLAY IBRIEF

ACCESSION NUMBER: 2021263285 PCTFULL

ENTRY DATE PATENT: 20220110 Full-text

ENTRY DATE: 20220905

UPDATE DATE: 20220905

ENTRY DATE (FULLTEXT): 20220905

DATA ENTRY DATE: 20220312

DATA UPDATE DATE: 20220413

TITLE (ENGLISH): LARGE-SCALE PRODUCTION OF EXOSOMES FROM PRIMED
MESENCHYMAL STROMAL CELLS FOR CLINICAL USE

TITLE (FRENCH): PRODUCTION A GRANDE ECHELLE D'EXOSOMES A PARTIR DE CELLULES STROMALES MESENCHYMATEUSES SENSIBILISEES POUR UNE UTILISATION CLINIQUE

INVENTOR(S): SHPALL, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states
REZVANI, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states
MENDT, Mayela, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states

PATENT APPLICANT(S): BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, 210 West 7th Street, Austin, Texas 78701, 78701, US, [NAT: US, RES: US], for all designated states

PATENT APPL. STANDARD.: UNIVERSITY OF TEXAS SYSTEM
PATENT APPL. NORMAL.: UNIVERSITY OF TEXAS
AGENT: MELISSA SISTRUNK, Norton Rose Fulbright US LLP, 1301 McKinney Suite 5100, Houston, Texas 77010, US

DOCUMENT TYPE: Patent; (Fulltext)

PATENT INFORMATION: WO 2021263285 A1 20211230
PATENT INFO. TYPE: WO1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH REPORT

APPLICATION INFO.: WO 2021-US70772 20210624
PRIORITY INFO.: US 2020-63043328 20200624

IPC ORIGINAL: A61K0035-28 [I,A]; C12N0005-00 [I,A]; G01N0033-50 [I,A]
CPC CLASSIF.: A61K0038-00; C12N2501-25; C12N2510-00; C12N2501-24; C12N0005-0605; A61K0035-28; C12N2501-2317; C12N2501-2301

ABSTRACT (ENGLISH):

Original

Embodiments of the disclosure encompass systems, methods, and compositions for producing exosomes from primed mesenchymal stem cells that are expanded in the presence of IFN γ , TNF α , IL-1 β , and IL-17. The systems, methods, and compositions may occur in an automated cell expansion system that allows for controllable parameters and from which cells and exosomes may be harvested at one or more times as part of a particular regimen. In specific embodiments, the exosomes may be provided to an individual in need thereof, including in some cases when the exosomes comprise one or more therapeutic agents.

ABSTRACT (FRENCH):

Des modes de realisation de la divulgation comprennent des systemes, des methodes et des compositions pour produire des exosomes a partir de cellules souches mesenchymateuses sensibilisees qui sont multipliees en presence d'IFN γ , de TNF α , d'IL-1 β et d'IL-17. Les systemes, procedes et compositions peuvent se produire dans un systeme de multiplication cellulaire automatise qui permet d'obtenir des parametres regulables et a partir duquel des cellules et des exosomes peuvent etre recoltes a un ou plusieurs moments en tant que partie d'un regime particulier. Dans des modes de realisation specifiques, les exosomes peuvent etre fournis a un individu qui en a besoin, y compris dans certains cas lorsque les exosomes comprennent un ou plusieurs agents therapeutiques.

MAIN CLAIM (ENGLISH):

[CLM0001] 1. A method of producing exosomes from mesenchymal stromal cells (MSCs), comprising the steps of:

PCTFULL

- (a) culturing MSCs in the presence of an effective amount of interferon (1PN) γ , tumor necrosis factor (TNF) α , interleukin (IL)-1 β , and IL-17; and
- (b) collecting the exosomes from the culture.

KEYTERMS:

large-scale production; therapeutic agent; heart disease; immune disorder; ic media; alloimmune disorder; autoimmune disorder; controllable parameter; encompass system; lung disease; kidney disease; unprimed exosome; liver disease; hollow fiber bioreactor system; primed cell; exosome composition; loading exosome; load cell expansion set; extracellular matrix protein; collected exosome; disposable cell expansion set; fucosylated exosome; non-transduced exosome; isolated exosome; innate immune response; labeled exosome; msc-derived exosome; pre-labeled exosome; msc-primed exosome; exosome identity

DISPLAY STDG

AN 2021263285 PCTFULL EDP 20220110 ED 20220905 UP 20220905 EDTX 20220905
DED 20220312 DUPD 20220413 Full-text

TIEN LARGE-SCALE PRODUCTION OF EXOSOMES FROM PRIMED MESENCHYMAL STROMAL CELLS FOR CLINICAL USE

TIFR PRODUCTION A GRANDE ECHELLE D'EXOSOMES A PARTIR DE CELLULES STROMALES MESENCHYMATEUSES SENSIBILISEES POUR UNE UTILISATION CLINIQUE

IN SHPALL, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states
REZVANI, Elizabeth, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states
MENDT, Mayela, c/o U.T.M.D. Anderson Cancer Center, Stem Cell Transplantation & Cell Therapy, 1515 Holcombe Blvd., Unit # 0065, Houston, Texas 77030, US, for all designated states

PA BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, 210 West 7th Street, Austin, Texas 78701, 78701, US, [NAT: US, RES: US], for all designated states

PAS UNIVERSITY OF TEXAS SYSTEM

PAN UNIVERSITY OF TEXAS

AG MELISSA SISTRUNK, Norton Rose Fulbright US LLP, 1301 McKinney Suite 5100, Houston, Texas 77010, US

LAF English

LA English

DT Patent; (Fulltext)

PI WO 2021263285 A1 20211230

DS W: AE AG AL AM AO AT AU AZ BA BB BG BH BN BR BW BY BZ CA CH
CL CN CO CR CU CZ DE DJ DK DM DO DZ EC EE EG ES FI GB GD
GE GH GM GT HN HR HU ID IL IN IR IS IT JO JP KE KG KH KN
KP KR KW KZ LA LC LK LR LS LU LY MA MD ME MG MK MN MW MX
MY MZ NA NG NI NO NZ OM PA PE PG PH PL PT QA RO RS RU RW
SA SC SD SE SG SK SL ST SV SY TH TJ TM TN TR TT TZ UA UG
US UZ VC VN WS ZA ZM ZW

RW (ARIPO): AP BW GH GM KE LR LS MW MZ NA RW SD SL ST SZ TZ UG ZM ZW

RW (EAPO): EA AM AZ BY KG KZ RU TJ TM

RW (EPO): EP AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE
IS IT LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

RW (OAPI): OA BF BJ CF CG CI CM GA GN GQ GW KM ML MR NE SN TD TG

PIT WO/1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH REPORT
 AI WO 2021-US70772 20210624
 PRAI US 2020-63043328 20200624
 IPCI A61K0035-28 [I,A]; C12N0005-00 [I,A]; G01N0033-50 [I,A]
 CPC A61K0038-00; C12N2501-25; C12N2510-00; C12N2501-24; C12N0005-0605; A61K0035-28; C12N2501-2317; C12N2501-2301
 GI

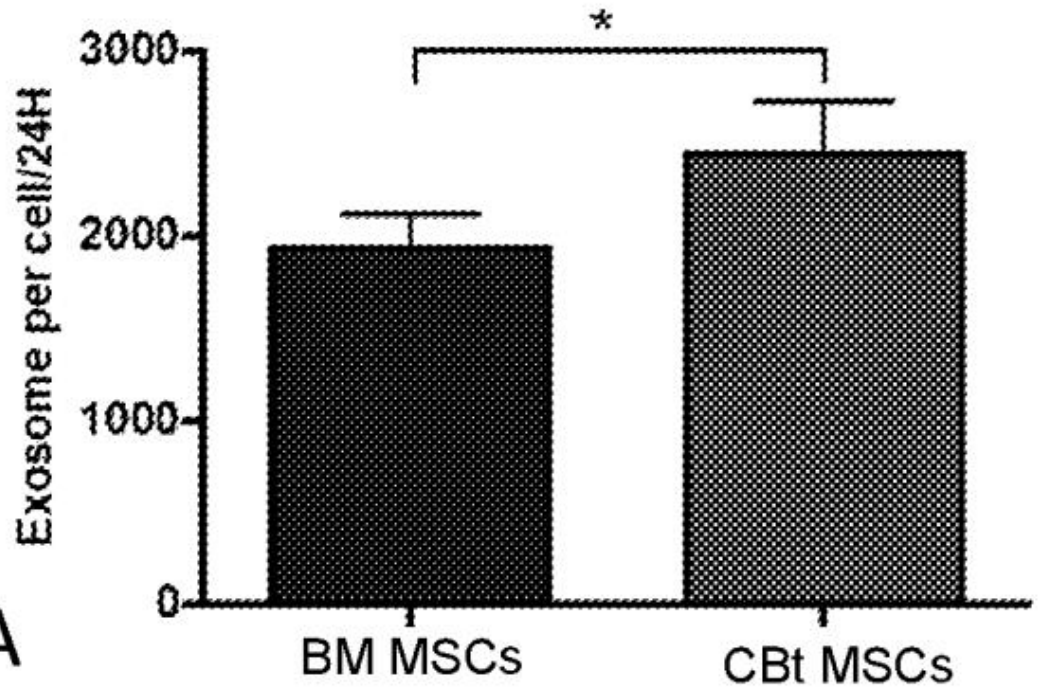


FIG. 2A

In North America

CAS Customer Center
 P.O. Box 3012
 Columbus, Ohio 43210-0012
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