

GBFULL (United Kingdom (GB) Patents Full-Text)

Subject Coverage	All patent-relevant areas of science and technology, i.e., all classes of the International Patent Classification				
File Type	Full-Text				
Features	Thesauri			ation (/IPC)), Cooperative Patean Patent Classification (/EPC	
	Alerts (SDIs)	•	or monthly (weekly is	the default)	
	CAS Registry Number® Identifiers		Page Images		
	Keep & Share	$\overline{\checkmark}$	<u>SLART</u>	$\overline{\checkmark}$	
	Learning Database		Structures		
Record Content	 Full-text of patent applications and patent specifications published in the United Kingdom from 1782 onwards. Patent applications begin in 1982, when the British Intellectual Property Office started to publish applications. Database records comprise all documents published for one application. Records of the database contain bibliographic data, including patent applicant and inventor information, patent, application and priority application data, IPC, CPC (including CF combination sets), and EPC classification codes, plus the searchable text of the complete documents, comprising titles, abstracts, description and claims. Numeric values of 59 physical and chemical properties are searchable in about 5000 unit variants within in all full-text fields. Clipped images (mostly front-page images) from 1893 onwards are also included, if available. Text has been created by Optical Character Recognition (OCR) software. Therefore, characters may be misinterpreted, or portions of the text may be incomplete. A small 			ds of g CPC 5000 ed, if	
File Size	(10/2023)	·		nan 3.88 million publications 93 to present (10/2023)	
Coverage	Comprehensive 1893 to present, first document from 1782				
Updates	Weekly				
Language	English				
Database Producer	LexisNexis Business Radarweg 29 1043 NX Amsterdam The Netherlands Copyright Holder		n Solutions B.V.		

Sources

 Patent applications and granted patents published by the United Kingdom Intellectual Property Office

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Cluster

- AEROTECH
- ALLBIB
- AUTHORS
- CORPSOURCE
- ENGINEERING
- FULLTEXT
- HPATENTS
- NPS
- PATENTS
- PNTTEXT

STN Database Cluster information

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 BOREHOLE/AB,TI,CLM (L) GBA/PK limits the search to British applications GBA.

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 title (TI), abstract (AB), detailed description (DETD), claims (CLM), and main claims (MCLM))	None or /BI	S TRANSISTOR AND ELECTRODE S ACOUSTIC SENSOR S ?TRANSFER?	TI, AB, DETD, CLM, MCLM
Abstract*	/AB (or /ABEN)	S BOREHOLE/AB	AB
Accession Number Application Country (WIPO code and text)	/ADLIV) /AN /AC	S 2403388/AN S GB/AC	AN AI
Application Date (1) Application Kind Code Application Number (2)	/AD /AK /AP (or /APPS)	S AD=JAN 2003 S GBA/AK S GB2000-10050/AP S 2000GB-0010069/APPS	AI AI AI
Application Number Original	/APO (or /AIO)	S GB1817326/APO	APO
Application Year (1) Claims*	/AY /CLM (or /CLMEN)	S AY>=2000 S DERIVATION/CLM	AI CLM
Cooperative Patent Classification (3) Cooperative Patent Classification, Action Date (1)	/CPC /CPC.ACD	S C12N0009-1085/CPC S 20121113/CPC.ACD	CPC CPC.TAB
Cooperative Patent Classification, Keywords	/CPC.KW	S C12N0009-1085/CPC (S) I/CPC.KW	CPC.TAB
Cooperative Patent Classification, Version (1)	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Data Entry Date (1) Data Update Date (1) Document Type (code and text) Entry Date (1) Entry Date Full-Text (1) EPC, Keyword Terms European Patent Classification (3)	/DED /DUPD /DT (or /TC) /ED /EDTX /EPC.KW /EPC	S 20181206/DED S 20181207/DUPD S P/DT S PATENT/DT S ED=JAN 2005 S 20181211/EDTX S B17/00/EPC.KW S A01B0001-02B/EPC	DED DUPD DT ED EDTX EPC EPC
Field Availability Graphic Image Size (1) ICO (in-computer-only) Classification (3) ICO Keyword Terms IdT (Indeling der Techniek) International Patent Classification (ICM, ICS, IPCI, IPCR) (3)	(or /ECLA or /EPCLA) /FA /GIS /ICO /ICO.KW /IDT /IPC	S AB/FA S L1 AND 400-500/GIS S L29C0065:16A6B/ICO S ADD/ICO.KW S B60R0027-00/IDT S A01B001/IPC	FA GIS ICO ICO IDT IPC, ICM, ICS, IPCI, IPCR
International Patent Classification (ICM, ICS) Inventor	/IC (or /IPCMS) /IN	S A24B/IC S MANDEL WALTER/IN	IC, ICM, ICS
Inventor, Country IPC, Action Date (1)	(or /AU) /IN.CNY /IPC.ACD	S MANDEL WALTER/IN S MANDEL?/IN S FR/IN.CNY S 20051008/IPC.ACD	IN IN IPC.TAB

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
IPC, Additional	/ICA (or	S A61K0007-00/ICA	ICA
	/IPCA)		
IPC, Index	/ICI (or	S A61K0007-06/ICI	ICI
IPC, Initial	/IPCIN) /IPCI	S B21B0001/IPCI	IPCI
IPC, Illidai IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main	/ICM (or	S A01N001/ICM	ICM
-,	/IPCM)		
IPC, Reclassified	/IPCR	S B21B0001-34/IPCR	IPCR
IPC, Reform	/IPC.REF	S A01B0001-16/IPC.REF	IPC
IPC, Secondary	/ICS	S A01B001-16/ICS	ICS
IPC, Version	/IPC.VER (or /IC.VER)	S 7/IPC.VER	IPC.TAB
Key Terms	/KT	S PROTEIN SYNTHESIS/KT	KT
rey reims	//(1	S "BIOAVAILABLE PROTEIN AND	
		STARCH"/KT	
Language (code and text)	/LA	S EN/LA	LA
Language, Filing (code and text)	/LAF	S ENGLISH/LAF	LAF
Main Claim*	/MCLM (or	S ?FRACTURE?/MCLM	MCLM
Number of Claims (4)	/MCLMEN)	C F 7/CLMNI	CLAANI
Number of Claims (1)	/CLMN	S 5-7/CLMN	CLMN
Number of Paragraphs in DETD	/DETN	S DETN<10	DETN
(Detailed Description) (1)	(D.A.	0.000.000	
Patent Applicant (4)	/PA (or /CS)	S BASF AG/PA	PA
Patent Applicant Country	/PA.CNY	S DE/PA.CNY	PA.CNY
(WIPO code and text)	// A.OIVI	O DE/I A.ONI	1 7.0111
Patent Country (WIPO code and	/PC	S GB/PC	PI
text)			
Patent Information Publication	/PIT	S "GBA PATENT SPECIFICATION (UNDER	PIT
Type		NO. 2000000) OR PUBLISHED PATENT	
Datast Kind Code	/DI/	APPLICATION (FROM NO. 2000000)"/PIT	DI
Patent Kind Code Patent Number (2)	/PK /PN (or	S GBA/PK S GB2003005/PN	PI PI
i atent Number (2)	/PATS)	3 3D2003000/1 N	' '
Patent Number Original	/PNO	S GB201301786/PNO	PNO
Patent Number/Kind Code	/PNK	S GB2000003 A/PNK	PI, PNK
Priority Country	/PRC	S AU/PRC	PRAI
(WIPO code and text)		S AUSTRALIA/PRC	
Priority Date (1)	/PRD	S PRD=APRIL, 2 2003	PRAI
Priority Kind Code	/PRK	S 20030402/PRD S DEA/PRK	PRAI
Priority Number (2)	/PRN	S DE2000-10001516/PRN	PRAI
Priority Number Original	/PRNO	S EP12001001/PRNO	PRAO
Priority Year (1)	/PRY	S 1993/PRY	PRAI
Priority Year, First (1)	/PRYF	S 1993-1994/PRYF	PRAI, PRYF
Publication Date (1)	/PD	S PD=JAN-FEB 2003	PI
Related Application Country	/RLC	S WO/RLC	RLI
(WIPO code and text)	/DI D	S 20170202/PLD	DII
Related Application Date (1) Related Application Number	/RLD /RLN	S 20170203/RLD S WO 2017-CA24/RLN	RLI RLI
Related Application Number Related Application Type	/RLN /RLT	S WO 2017-CA24/RLN S PCT APPLICATION/RLT	RLI
Related Application Type Related Application Year (1)	/RLY	S 2017/RLY	RLI
Publication Year (1)	/PY	S PY>2003 AND L1	PI
Title *	/TI (or /TIEN)	S FLUID###/TI	TI, TIEN
Update Date (1)	/UP	S UP=APR 2009	UP

 ⁽¹⁾ Numeric search field that may be searched using numeric operators or ranges.
 (2) By default, patent numbers, application and priority numbers are displayed in STN Format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN Format, enter SET PATENT STN.

⁽³⁾ An online thesaurus is available in this field.(4) Search with implied (S) proximity is available in this field.

Property Fields (1)

In GBFULL a numeric search for a specific set of physical properties (/PHP) is available within the full-text fields (TI, AB, DETD, CLM, BI). 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	Mol	mol	S 10 /AOS
/BIR	substance Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
		Bit		
/BIT /CAP	Stored Information	Farad	Bit F	S BIT > 3 MEGABIT
	Capacitance			S 1-10 MF/CAP
/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	o o	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass	Kilogram/Cubic Meter	kg/m³	S 5E-3-10E-3/DEN
/DEQ	Concentration Dose Equivalent	Sievert	Sv	S 100/DEQ
/DOS (/LD50)	Dosage	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECD	Electric Charge	Coulomb/Square	C/m²	S ECD>10
7200	Density	Meter	0/111	0 200710
/ECH (/CHA)	Electric Charge	Coulomb	С	S 0.0001-0.001/ECH
/ECO (/ECND)	Electrical	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
7200 (/20142)	Conductivity	Olemens/Weter	0/111	0 2002000 0/M (10/1) /1Q02000
/ELC (/ECC)	Electric Current	Ampere	Α	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,	Square	m ² /s	S POLYETHYLENE WAX/BI (6A) 200-300
,,,,,	kinematic	Meter/Second	,	cST /KV
/LEN (/SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous	Lux	lx	S 10-50/LUME
,	Emittance,			3 .3 33,252
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous	Candela	cd	S LUMI<4
/LUIVII	Intensity	Candela	Ca	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge	none	m/z	S MCH=1
	Ratio			
/MFD (/MFS)	Magnetic Flux	Tesla	Т	S MFD>102
/MFR (/MFL)	Density Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1

Property Fields (1) (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 0110 MOL/KG/MOLS
/MVR	Melt Volume Rate, Melt Flow Rate	none	g/10 min	S 3/MVR
/NUC (/NUTC)	Nutrition Content	none	g/100 kcal	S NUC/PHP
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PERA	Permittivity, Absolute	Farad/Meter	F/m	S 1-10/PERA
/PERR	Permittivity, Relative	none		S 1500-2000/PERR
/PHV (/PH) /POW (PW)	pH Value Power	pH Watt	pH W	S 7.4-7.6/PHV S "HG-XE-?"/BI (S) 100-200 WATT/POW
/PPM /PRES (/P)	Parts per million Pressure	Ppm Pascal	ppm Pa	S 100 PPM /PPM (10A) ADDITIVE/BI S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD /RES	Radioactivity Electrical Resistance	Becquerel Ohm	Bq Ohm	S RAD/PHP S SENSOR /BI (S) 10- 100/RES
/RI /RSP	Refractive Index Rotational	none Revolution/Minute	rpm	S 3-4/RI S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Speed Area /Surface Area	Square Meter	m²	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB) /STSC (/ST) /TCO (/TCND)	Solubility Surface Tension Thermal	Gram/100 gram Joule /Square Meter Watt/Meter * Kelvin	g/100 g J/m² W/m * K	S SOL>20 G/100G (5A) WATER S 60 J/M**2/STSC S 1/TCO (S) HEAT?
/TEMP (/T) /TIM	Conductivity Temperature Time	Kelvin Second	K s	S 20-25/TEMP S ?INCUB?/BI (10A) 50 S - 150 S /TIM
/VEL (/V) /VELA /VLR	Velocity Velocity, angular Volumetric Flow Rate	Meter per Second Radian/Second Cubic Meter/Second	m/s rad/s m³/s	S REDUC?/BI (S) 1E-3-5E-3/VEL S VELA>10 S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL /VOLT	Volume Voltage	Cubic Meter Volt	m³ V	S 1E-8-2E-8/VOL.EX S TENSION/BI (10A) 5E-3 V
/WAC	Water Activity	none		<volt<7e-3 v<br="">S WAC/PHP</volt<7e-3>

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

International Patent Classification (/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 editions.

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

ECLA (/EPC) and ICO Thesauri

These thesauri are available in the /EPC search field (for ECLA codes) and /ICO search field (for 'incomputer-only' codes). All relationship codes can be used with both the EXPAND and SEARCH commands.

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

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 AUTO (1) BT CODE DEF HIE KT MAX NEXT NEXT(n) NT PREV PREV(n) TI	All usually required terms (BT, SELF, CODE, DEF) Automatic relationship (BT, SELF, CODE, DEF) Broader terms (BT, SELF) Classification Code (SELF, CODE) Definition (SELF, DEF) Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT) Keyword terms (SELF, KT) All associated terms Next classification within the same class (SELF, NEXT) Next n classification within the same class Narrower terms Previous Code within the same class (SELF, PREV) Previous n classifications within the same class Complete Title of SELF Term and Broader Terms (BT, SELF)	E C12M0001-005+ALL/CPC E G01J003-443+AUTO/CPC E G01J0003-443+BT/CPC E CARTRIDGES+CODE/CPC E B65G0045-16+DEF/CPC E A01B0001+HIE/CPC E LASER+KT/CPC E G01J0003-44+MAX/CPC E A01B0001-24+NEXT/CPC E A01B0001-24+NEXT/CPC E G05B0001-04+NT/CPC E G05B0019-00+PREV/CPC E G05B0019-00+PREV/CPC E G05B0001-03+TI/CPC

⁽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.

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 AU. The fields are displayed or printed in the order requested.

The information of the latest publication is displayed by default. To display the content for all levels of the record you can combine all display fields and formats with the qualifier .M except FA, FAM, CFAM, LS, LS2, SCAN, and TRIAL.

For displaying a particular publication of a database record, you can simply add for certain display field the kind code to the appropriate display format, e.g. ALL.A1. Fields that allow this are indicated by a number (3).

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 (ABS)	Abstract	D TI AB 1-5
AI (ÀP) (1)	Application Information	D AI
AN	Accession Number	D L3 AN
APO (2)	Application Information Original	D APO
CLM (3)	Claims	D CLM
CLMN (3)	Number of Claims	D CLMN
CPC `	Cooperative Patent Classification	D CPC
CPC.TAB	CPC, in Tabular Version	D CPC.TAB
DED	Data Entry Date	D DED
DETD (3)	Detailed Description	D DETD
DETN (3)	Number of Paragraphs in DETD	D DETN
DT (TC)	Document Type	D DT
DUPD	Data Update Date	D DUPD
ED	Entry Date	D ED
EDTX	Entry Date Full-Text	D EDTX
EPC	European Patent Classification	D EPC
FA	Field Availability (for all publication levels)	D FA
GI	Graphic Image	D GI
GIS (2)	Graphic Image Size	D GIS
GIT (2)	Graphic Image Type	D GIT

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
IC	IPC (format contains ICM, ICS)	D IC
ICA (IPCA)	IPC, Additional	D ICA
ICI	IPC, Index	D ICI
ICM	IPC, Main	D ICM
ICO	ICO (in-computer-only) Classification	D ICO
ICS	IPC, Secondary	DICS
IDT	IDT Classification	D IDT
IN (AU)	Inventor	DIN
IN.CNY	Inventor, Country	D IN.CNY
IPC.REF	IPC, Reform	D IPC.REF
IPCI	IPC, Initial	D IPCI
KT	Key Terms	D II CI
IPCR	IPC, Reclassified	D IPCR
LA	Language	DIFCK
LAF		D LAF
	Language of Filing Main Claim	D MCLM
MCLM (5)		
PA (CS)	Patent Applicant	D PA
PA.CNY	Patent Applicant Country	D PA.CNY
PI (PN, PATS) (1)	Patent Information	D PI
PIT	Patent Information Publication Type	D PIT
PNK	Patent Number/Kind Code	D PNK
PNO (2)	Patent Number Original	D PNO
PRAI (PRN) (1, 5)	Priority Information	D PRAI
PRAO (PRNO) (2)	Priority Number, Original Format Priority Year, First	D PRAO
PRYF	Priority Year, First	D PRYF
RLI	Related Application Information	D RLI
TI	Title	D TI
UP	Update Date	D UP
ALL (1, 3)	AN, ED, UP, EDTX, DED, DUPD, TI, IN, PA, PA.CNY, LA, LAF, DT, PIT, PI, AI, RLI, PRAI, IPC, CPC, EPC, ICO, IDT, AB, DETD, CLM, KT	D ALL
ALL C (4)		DALLO
ALLG (1)	ALL, plus graphic image	D ALLG
IALL (1,3)	ALL, indented with text labels	D IALL
IALLG (1)	IALL, plus graphic image	D IALLG
APPS (1,3)	AI, RLI, PRAI	D APPS
BIB (1,3)	AN, ED, UP, EDTX, DED, DUPD, TI, IN, PA, LA, LAF, DT, PIT, PI, AI, RLI, PRAI	D BIB
IBIB (1,3)	BIB, indented with text labels	D IBIB
BRIEF (1,3)	AN, ED, UP, EDTX, DED, DUPD, TI, IN, PA, LAF, DT, PIT, PI, AI, RLI,	D BRIEF
	PRAI, IPC, CPC, EPC, ICO, IDT, AB, MCLM, KT	
BRIEFG (1,4)	BRIEF, plus graphic image	D BRIEFG
IBRIEF (1,3)	BRIEF, indented with text labels	D IBRIEF
IBRIEFG (1,4)	BRIEFG, indented with text labels	D IBRIEFG
CPC.TAB	CPC, CPC.KW, CPC.ACD, CPC.VER in tabular format	D CPC.TAB
IND	IPC (ICA, ICI, ICM, ICS, IPCI, IPCR), CPC, EPC, ICO, IDT	D IND
IPC	International Patent Classification (ICA, ICI, ICM, ICS, IPCI, IPCR)	D IPC
IPC.TAB	IPC, IPC.KW, IPC.ACD, IPC.VER, in tabular version	D IPC.TAB
MAX (ALL.M) (1)	AN, ED, UP, EDTX, DED, DUPD, TI, IN, PA, PA.CNY, LA, LAF, DT, PIT,	D MAX
ox (v.EE.ivi) (1)	PI, AI, RLI, PRAI, IPC, CPC, EPC, ICO, IDT, AB, DETD, CLM, KT, FA	
1447/0 (417.0.1)	for all levels of publication	5 141/6
MAXG (ALLG.M) (1)	MAX, plus graphic image	D MAXG
IMAX (IALL.M) (1)	MAX, indented with text labels	D IMAX
IMAXG (IALLG.M) (1)	IMAX, plus graphic image	D IMAXG
PATS	PI, RLPN	D PATS

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
SCAN (4) STD (1,3)	TI (random display without answer numbers) AN, ED, UP, EDTX, DED, DUPD, TI, IN, PA, LA, LAF, DT, PIT, PI, AI, PRAI, IPC, CPC, EPC, ICO, IDT (STD is default)	D SCAN D STD
STDG (1) ISTD (1,3) ISTDG (1) TRIAL (TRI, SAMPLE, SAM, FREE)	STD, plus graphic image STD, indented with text labels ISTD, plus graphic image TI, FA, DETN, CLMN, GIS, GIT	D STDG D ISTD D ISTDG D TRIAL
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) By default, patent numbers, application and priority numbers are displayed in STN Format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN Format, enter SET PATENT STN.
- (2) Custom display only.
- 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.A8.
- (4) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.(5) If priority information is not available for a certain document, this information is ta
- (5) If priority information is not available for a certain document, this information is taken from the application information of this document and marked with an asterisk (*).

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).

You can combine all fields except FA with the qualifier .M to SELECT/ANALYZE the content of all publication levels.

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Υ	N
Accession Number	AN	Υ	Υ
Application Country	AC	Υ	N
Application Date	AD	Υ	N
Application Information	AI (AP)	Y (2)	N
Application Information Original	AIO (APO)	Υ	N
Application Year	AY	Υ	N
CPC Classification	CPC	Υ	Υ
Data Entry Date	DED	Υ	Υ
Data Update Date	DUPD	Υ	Υ
Document Type	DT	Υ	Υ
Entry Date	ED	Υ	Υ
Entry Date Full-Text	EDTX	Υ	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
European Patent Classification	EPC	Y	Υ
Field Availability	FA	Ϋ́	Ň
Graphic Image Size	GIS	Y	N
International Patent Classification	IC	Y	N
Inventor	IN (AU)	Υ	Υ
ICO (in-computer-only) Classification	icò '	Υ	Υ
IdT Classification	IDT	Υ	Υ
IPC (ICM, ICS, ICA, ICI, IPCI, IPCR)	IPC	Υ	Υ
IPC, Additional	IPCA	Υ	Υ
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	Υ ,	Υ
IPC, Initial	IPCI	Υ	Υ
IPC, Main	ICM	Υ	Υ
IPC, Reclassified	IPCR	Υ	Υ
IPC. Reform	IPC.REF	Υ	Υ
IPC, Secondary	ICS	Υ	Υ
Language	LA	Υ	Υ
Language of Filing	LAF	Υ	Υ
Key Terms	KT	Υ	N
Number of Claims	CLMN	Y (5)	N
Number of Paragraphs in DETD	DETN	Y (5)	N
Occurrence Count of Hit Terms	OCC	N ,	Υ
Patent Applicant Country	PA.CNY	Υ	Υ
Patent Applicant	PA (CS)	Υ	Υ
Patent Country	PC	Υ	Υ
Patent Information Publication Type	PIT	Υ	Υ
Patent Kind Code	PK	Υ	Υ
Patent Number	PI (PN)	Y (default)	Υ
Patent Number/Kind Code	PNK	Υ	Υ
Patent Number Original	PNO	Υ	Υ
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006-	IPC.F	Y (4)	N
present			
Priority Country	PRC	Υ	Υ
Priority Date	PRD	Υ	Υ
Publication Year	PY	Υ	Υ
Related Application Country	RLC	Υ	Υ
Related Application Date	RLD	Υ	Υ
Related Application Number	RLN	Υ	Υ
Related Application Type	RLT	Υ	Υ
Related Application Year	RLY	Υ	Υ
Title	TI	Y)	Υ
Update Date	UP	Y	Υ

⁽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⁾ Selects or analyzes application numbers with /AP appended to the terms created by SELECT.

⁽³⁾ Appends /BI to the terms created by SELECT.

 ⁽⁴⁾ Appends /IPC to the terms created by SELECT.
 (5) You can combine these display fields with the qualifier .PK (Patent Kind Code) to select the content for a certain publication level of a record. The normal search field code without the .PK extension is appended to selected terms.

Sample Records

DISPLAY MAXG (STN format)

```
AN
       2418818
                 GBFULL ED 20140615 UP 20190108 EDTX 20140615
       DUPD 20181218
ΤI
       A method and an arrangement to provide a common platform for tencoder and
       decoder of various CELP codecs
      ARORA NITIN, DE
IN
      SIEMENS AG, DE
PA
      English
LAF
      English
LA
DT
      Patent; (Fulltext)
      GBB AMENDED PATENT SPECIFICATION [UNDER NO. 2000000] or PATENT
PTT
       SPECIFICATION [FROM NO. 2000000]
PΙ
      GB 2418818
                             В
                                    20070502
ΑI
      GB 2004-21852
                                Α
                                      20041001
PRAI
      GB 2004-21852
                                      20041001
IPCI
      G10L0019-04 [I,A]
IPCR
      G10L0019-12 [I,A]; G10L0019-14 [I,A]; G10L0019-16 [I,A]
CPC
      G10L0019-04; G10L0019-12; G10L0019-16
EPC
      G10L0019-04; G10L0019-12; G10L0019-16
```

AB Equivalent from GB2418818A

A method and an arrangement to provide a common platform for the encoder and decoder of various CELP codecs used during data/speech transmission within a communication network, wherein common portions (1 to 4) of said codecs were extracted and implemented on the common platform communicating with the remaining portions (5 to 10) of said codecs.

DETD

A method and an arrangement to provide a common platform for the encoder and decoder of various CELP codecs

DESCRIPTION.

The invention relates to a method an arrangement to provide a common platform for the encoder and decoder of various CELP codecs used during data/speech transmission within a communication networks.

BACKROUND OF INVENTION.

The presented invention particularly concerns in the development of the VoIP access and trunk gateways. The demands of the customer features are increasing, wherein resources in the gates and memory in used DSP, FPGA or ASIC is limited. Supporting all the features or increasing number of features leads - on the one hand - to more expensive ASIC, FPGA and DSP or lower port density achievement.

On the other hand every Telecom company is looking for the IP convergence, particularly a convergence of Voice, Data and Video in a single piece of equipment. A further important issue for the telecom companies is to save as much bandwidth as possible during the data/speech transmission, but not with too much compromise of quality.

 ${\tt CLM}$

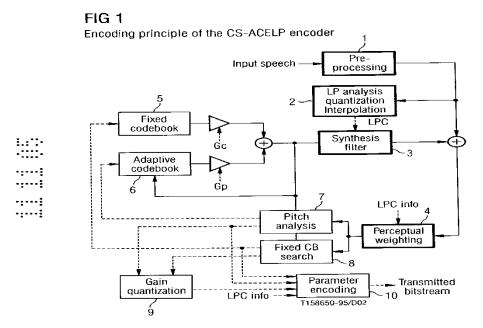
 A method to provide a common platform for the encoder and decoder of various CELP codecs used during data/speech transmission within a communication networks, wherein common portions (1 to 4; 11 to 15) of said codecs were extracted and implemented on the common platform communicating with the remaining portions (5 to 10; 16 to 22) of said codecs.

- 2. A method as claimed in the preceding claim, wherein the codecs could be represented by AMR, by Enhanced Full Rate GSM, by G729 or by G723.
- 3. A platform comprising implemented common portions of various CELP codecs communicating with the remaining portions of said codecs used during data/speech transmission within communication networks.
- 4. A platform as claimed in the preceding claim, wherein the codecs could be represented by AMR, by Enhanced Full Rate GSM, by G729 or by G723.

ΚT

common platform; celp codec; tencoder and decoder; common portion;
complex celp encoder; memory and gates
requirement; encoder and decoder; mobile and fixed network codec; low
port density; remaining portion; enhanced
full rate; celp decoder; communication network; encoder portion;
synthesis filter; perceptual weighing filter;
efforts and cost; pre-processing block; memory chip; quantization and
interpolation; conclusion implementation;
cost consuming; ip convergence

1/2



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