FRFULL (French 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	International Patent Classification (/IPC)), Cooperative Patent Classification (/CPC), European Patent Classification (/EPC, /ICO)				
Alerts (SDIs)	Weekly or monthly (weekly is the default)				
CAS Registry Number® Identifiers	☐	SLART	☑	Structures	☐
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Record Content

- FRFULL (French Patents Full-Text Database) covers the full-text of patent applications, granted patents, and utility models published in France from 1902 onwards with the first document from 1855.
- Patent applications are assigned with kind code FRA (up to 1968) and FRA1 (since 1969), granted patents (patents of invention) with kind codes FRA5 (up to 1975) and FRB1 (since 1973), unexamined utility models with kind code FRA3, and utility model specifications with kind code FRB3.
- 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 CPC combination sets), and EPC classification codes, plus the searchable text of the complete documents, comprising titles, abstracts, descriptions and claims in English and French. Abstracts, descriptions, and claims in English are machine translations.
- 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.
- Ultimate Owners are searchable in the field /UO and /UOS.
- Standardized and normalized patent assignee names are searchable in their own fields /PAS and /PAN.
- 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.
- Clipped images (mostly front-page images) from 1902 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 percentage of records are absent because they failed to scan.

File Size

- More than 2.51 million family records with more than 3.3 million publications (12/2024)
- More than 2.15 million front page images from 1902 to present (12/2024)

Coverage

Comprehensive content from 1902 to present, first document from 1855

Updates

Weekly

Language

English, French

Database Producer

LexisNexis Business Information Solutions B.V.
Radarweg 29
1043 NX Amsterdam
The Netherlands

Copyright Holder

Sources	French Patents Full-Text Documents
User Aids	• Online Helps (HELP DIRECTORY lists all help messages available) • STNGUIDE
Clusters	• 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 an 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 FILTRER DES SIGNAUX/AB,TI,CLM (L) FRA1/PK limits the search to French applications FRA1.
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), abstracts (ABEN, ABFR), detailed description (DETDEN, DETDFR), claims (CLMEN, CLMFR), main claims (MCLMEN, MCLMFR) and key term fields (KT)	None or /BI	S TRANSISTOR AND ELECTRODE S SENSOR FOR DETERMINER S TRAITEMENT? ULTERIEUR S ?TRANSFER	TIEN, TIFR, ABEN, ABFR, DETDEN, DETDFR, CLMEN, CLMFR, MCLMEN, MCLMFR, KT
Abstract* (English and French)	/AB	S FILTRER DES SIGNAUX/AB S PROCEDE SELON/AB	AB
Abstract (English)*	/ABEN	S LASER BEAM/ABEN	ABEN
Abstract (French)*	/ABFR	S PROCEDE SELON/ABFR	ABFR
Accession Number	/AN	S 2427770/AN	AN
Application Country (WIPO code and text)	/AC	S FR/AC	AI
Application Date **(1)**	/AD	S AD=JAN 2003	AI
Application Kind Code	/AK	S FRA/AK	AI
Application Number **(2)**	/AP	S FR2000-10010/AP	AI
Application Number Original	/APO (or /AIO)	S FR30000633/APO	APO
Application Year **(1)**	/AY	S AY>=2000	AY
Claims* (English and French)	/CLM	S DERIVATION/CLM	CLM
Claims (English)*	/CLMEN	S SUGAR/CLMEN	CLMEN
Claims (French)*	/CLMFR	S SIGNAUX/CLMFR	CLMFR
Claims, Claim Groups	/CLM.CG	S LASER LIGHT/CLM.CG	CLM.CG, CLMEN, CLM
Claims, Independent Claims	/CLM.IC	S LASER LIGHT/CLM.IC	CLM.IC, CLMEN. CLM
Cooperative Patent Classification **(3)**	/CPC	S C12N0009/CPC	CPC
Cooperative Patent Classification, Action Date **(1)**	/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 **(1)**	/DED	S 20181206/DED	DED
Data Update Date **(1)**	/DUPD	S 20181207/DUPD	DUPD
Detailed Description (English) *	/DETDEN	S LASER LIGHT/DETDEN	DETDEN, DETD
Document Type (code and text)	/DT (or /TC)	S UTILITY MODEL/DT	DT
Entry Date **(1)**	/ED	S ED=MAR 2015	ED
Entry Date Full-Text **(1)**	/EDTX	S 20181218/EDTX	EDTX
European Patent Classification **(3)**	/EPC (or /ECLA, /EPCLA)	S A01B0033-08B2/EPC	EPC
Field Availability	/FA	S ABEN/FA	FA
ICO (in-computer-only) Classification **(3)**	/ICO	S L29C0065-16A6B/ICO	ICO
ICO Keyword Terms	/ICO.KW	S C3/ICO.KW	ICO
IdT (Indeling der Techniek)	/IDT	S B42D0015/00C/IDT	IDT

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
International Patent Classification (ICM, ICS, IPCI, IPCR) **(3)**	/IPC	S A01B001/IPC	ICM, ICS,IPCI, IPCR
International Patent Classification (ICM, ICS)	/IC (or /IPCMS)	S A24B/IC	IC, ICM, ICS
Inventor	/IN (or /AU)	S MANAUT DANIEL/IN S MANCEAUX?/IN	IN
Inventor, Country (WIPO code and text)	/IN.CNY	S FR/IN.CNY	IN, IN.CNY
IPC, Action Date **(1)**	/IPC.ACD	S 20051008/IPC.ACD	IPC.TAB
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Reform	/IPC.REF	S A01B0001-16/IPC.REF	IPC.TAB
IPC, Version **(1)**	/IPC.VER (or /IC.VER)	S 7/IPC.VER	IPC.TAB
IPC Additional	/ICA (or /IPCA)	S A61K0007-00/ICA	ICA
IPC Index	/ICI (or /IPCIN)	S A61K0007:031/ICI	ICI
IPC Initial	/IPCI	S B21B0001/IPCI	IPCI
IPC Main	/ICM (or /IPCM)	S A01N001/ICM	ICM
IPC Reclassified	/IPCR	S B21B0001-34/IPCR	IPCR
IPC Secondary	/ICS (or /IPCS)	S A01B0013-00/ICS	ICS
Key Terms*	/KT	S PROTEIN SYNTHESIS/KT S BIOAVAILABLE NUTRIENT/KT	KT
Language (ISO code and text)	/LA	S FRENCH/LA	LA
Language of Filing (ISO code and text)	/LAF	S FR/LAF	LAF
Main Claim* (English and French)	/MCLM	S ?FRACTURE?/MCLM	MCLM
Main Claim (English)*	/MCLMEN	S SWEETENER/MCLMEN	MCLMEN
Main Claim (French)*	/MCLMFR	S SUCRANT/MCLMFR	MCLMFR
Number of Claims **(1)**	/CLMN	S 5-7/CLMN	CLMN
Number of Paragraphs in DETD (Detailed Description) **(1)**	/DETN	S DETN<10	DETN
Patent Assignee **(4)**	/PA (or /CS)	S BASF AG/PA	PA
Patent Assignee Country (WIPO code and text)	/PA.CNY	S DE/PA.CNY	PA, PA.CNY
Patent Assignee, Total **(4)**	/PA.T	S UNIVERSITY ALABAMA/PA.T	PA.T, PA, PAN, PAS
Patent Assignee Normalized **(4)**	/PAN	S BASF/PAN	PAN
Patent Assignee Standardized **(4)**	/PAS	S BASF AG/PAS	PAS
Patent Country (WIPO code and text)	/PC	S FRANCE/PC	PI
Patent Information Type	/PIT	S "FRB1 PATENT OF INVENTION (SECOND PUBL.) (FROM NO. 2000000)"/PIT	PIT
Patent Kind Code	/PK	S FRA2/PK	PI
Patent Number **(2)**	/PN	S FR 2929171/PN	PI
Patent Number Original	/PNO	S FR2000006/PNO	PNO
Patent Number/Kind Code	/PNK	S FR2120002 A1/PNK	PI,
Priority Country (WIPO code and text)	/PRC	S AU/PRC	PRN, PRAI
Priority Date **(1)**	/PRD	S PRD=APRIL, 2 2003	PRN, PRAI
Priority Date First **(1)**	/PRDF	S 20000110/PRDF	PRN, PRAI
Priority Number **(2)**	/PRN	S DE2000-10023591/PRN	PRN, PRAI
Priority Number Original	/PRNO	S EP12157379/PRNO	PRNO, PRAO
Priority Year **(1)**	/PRY	S 1993/PRY	PRN, PRAI
Priority Year First **(1)**	/PRYF	S 1993-1994/PRYF	PRN, PRAI
Publication Date (1)	/PD	S PD=JAN-FEB 2003	PI
Publication Year (1)	/PY	S PY>2003 AND L1	PI

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Related Application Country (WIPO code and text)	/RLC	S WO/RLC	RLI
Related Application Date **(1)**	/RLD	S 20170428/RLD	RLI
Related Application Number	/RLN	S WO2017-US32763/RLN	RLI
Related Application Year **(1)**	/RLY	S 2017/RLY	RLI
Related Application Type	/RLT	S PCT APPLICATION/RLT	RLI
Related Patent Country (WIPO code and text)	/RLPC	S WO/RLPC	RLPI
Related Publication Date **(1)**	/RLPD	S 20020110/RLPD	RLPI
Related Patent Number **(2)**	/RLPN	S WO2001056352/RLPN	RLPI
Related Publication Year **(1)**	/RLPY	S 2020/RLPY	RLPI
Title* (English and French)	/TI	S FLUID###/TI	TI
Title (English)*	/TIEN	S SUGAR/TIEN	TIEN
Title (French)*	/TIFR	S SUCRE/TIFR	TIFR
Ultimate Owner **(4)**	/UO	S BASF/UO	UO
Ultimate Owner Standardized **(4)**	/UOS	S BASF/UOS	UOS
Update Date **(1)**	/UP	S JUN 2024/UP	UP
Update Date Full-Text **(1)**	/UPTX	S 20240507/UPTX	/UPTX

(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.

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	/APPS	AP, APO, PRN, PRNO, RLN	FR2010-1008/APPS	AI, APO, PRAI, PRAO, APPS
Patent Assignee Group	/PASS	PA, PAN, PAS, PA.T, UO, UOS	S BIONTECH/PASS	PA, PAN, PAS, PA.T, UO, UOS
Patent Number Group	/PATS	PN, PNO, RLPN	S WO2000023105/PATS	PI, PNO, RLPI

Property Fields (1)

In FRFULL 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 are instead 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	S 1-10/CATA
/CDN	Current Density	Ampere/Square Meter	A/m2	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Electrical 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/m3	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent, Absorbed Dose	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/kg/day	S 100-300/DOA
/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, Capacity	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	m2/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 Density	Tesla	T	S MFD>102
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1

Property Fields [1] (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	S 10-20/MFST
/MM (/MW, /MOM)	Molar Mass, MolecularWeight	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS
/MVR	Melt Volume Rate, Melt Flow Rate	none	g/10 min	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 10-20/RAD
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RI	Refractive Index	none	none	S 3-4/RI
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Area	Square Meter	m2	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB)	Solubility	Gram/100 gram	g/100g	S SOL>20 G/100G (5A) WATER
/SSAM	Specific Surface Area, Mass	Square Meter/ Kilogram	m2/kg	S 1-10/SSAM
/STSC	Surface Tension, Spring Constant	Joule /Square Meter	J/m2	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	S 1-5/TEX
/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	m3/s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m3	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) 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.

Code	Content	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 the SELF Term and Broader Terms (BT, SELF)	E C01F001-00+TI/IPC

ECLA (/EPC) and ICO Thesauri

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

Relationship Code	Content	Search Examples
ALL	All usually required terms including definitions	E C12M0001-34H2+ALL/EPC E L32B0310:00+ALL/ICO
AUTO **(1)**	Automatic relationship	E G01J003-443+AUTO/EPC
BT	Broader terms	E G01J0003-443+BT/EPC
DEF	Complete definition of the code and CPC edition	E SCRAPER BIASING MEANS+CODE/EPC
HIE	Hierarchy terms (all broader and narrower terms)	E B65G0045-16+DEF/EPC
KT	Keyword term	E A01B0001+HIE/EPC
MAX	All associated terms	E LASER+KT/EPC
NEXT	All next codes within the same class	E G01J0003-44B+MAX/EPC
NEXT(n)	Next n codes (n = 1,2 ...) within the same class	E A01B0001-24+NEXT/EPC
NT	Narrower terms	E A01B0001-24+NEXT3/EPC
PREV	All previous codes within the same class	E G05B0001-04+NT/EPC
PREV(n)	Previous n codes (n = 1,2 ...) within the same class	E G05B0019-418N1+PREV/EPC
TI	Complete title (definition) including broader terms	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	All usually required terms including definitions	E C12M0001-005+ALL/CPC
AUTO **(1)**	Automatic relationship	E G01J003-443+AUTO/CPC
BT	Broader terms	E G01J0003-443+BT/CPC
DEF	Complete definition of the code and CPC edition	E B65G0045-16+DEF/CPC
HIE	Hierarchy terms (all broader and narrower terms)	E A01B0001+HIE/CPC
KT	Keyword term	E LASER+KT/CPC
MAX	All associated terms	E G01J0003-44+MAX/CPC
NEXT	All next codes within the same class	E A01B0001-24+NEXT/CPC
NEXT(n)	Next n codes (n = 1,2 ...) within the same class	E A01B0001-24+NEXT3/CPC
NT	Narrower terms	E G05B0001-04+NT/CPC
PREV	All previous codes within the same class	E G05B0019-00+PREV/CPC
PREV(n)	Previous n codes (n = 1,2 ...) within the same class	E G05B0019-00+PREV2/CPC
TI	Complete title (definition) including broader terms	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 PI. 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, SCAN, and TRIAL.

For displaying a particular publication within a database record, you can simply add the kind code to the appropriate display format, e.g., ALL.A1. Fields that allow this are indicated by a number (2).

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

Format	Content	Examples
AB	Abstract (ABEN, ABFR)	D AB
ABEN	Abstract (English)	D ABEN
ABFR	Abstract (French)	D ABFR
AI (AP) **(1)**	Application Information	D AI
AN	Accession Number	D AN
APO **(3)**	Application Information Original	D APO
CLM **(2)**	Claims (CLMFR, CLMEN)	D CLM
CLM.CG	Claims, Claim Groups	D CLM.CG
CLM.IC	Claims, Independent Claims	D CLM.IC
CLMEN **(2)**	Claims (English)	D CLMEN
CLMFR **(2)**	Claims (French)	D CLMFR
CLMN **(3)**	Number of Claims	D CLMN
CPC	Cooperative Patent Classification	D CPC
CPC.TAB	CPC, Tabular	D CPC.TAB
DED	Data Entry Date	D DED
DETD **(2)**	Detailed Descriptions (DETDFR, DETEN)	D DETD
DETDEN **(2)**	Detailed Description (English)	D DETDEN
DETDFR **(2)**	Detailed Description (French)	D DETDFR
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	D FA
GI	Graphic Image	D GI
IC	IPC (ICM, ICS)	D IC
ICA (IPCA)	IPC Additional	D ICA
ICI	IPC Index	D ICI
ICM	IPC Main	D ICM
ICO **(3)**	ICO (in-computer-only) Classification	D ICO
ICS	IPC Secondary	D ICS
IDT	IDT Classification	D IDT
IN (AU)	Inventor	D IN
IN.CNY	Inventor, Country	D IN.CNY
IPC.REF	IPC, Reform	D IPC.REF
IPCI	IPC Initial	D IPCI
IPCR	IPC Reclassified	D IPCR
KT	Key Terms	D KT
LA	Language	D LA
LAF	Language of Filing	D LAF
MCLM	Main Claims (MCLMFR, MCLMEN)	D MCLM
MCLMEN	Main Claim (English)	D MCLMEN
MCLMFR	Main Claim (French)	D MCLMFR
PA (CS)	Patent Assignee	D PA
PA.CNY	Patent Assignee Country	D PA.CNY
PAN	Patent Assignee Normalized	D PAN
PAS	Patent Assignee Standardized	D PAS

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
PI (PN,) **(1)**	Patent Information	D PI
PIT	Patent Information Type	D PIT
PNK	Patent Number/Kind Code	D PNK
PNO **(2)**	Patent Number Original	D PNO
PRAI (PRN) **(1,5)**	Priority Information	D PRN
PRAO (PRNO) **(2)**	Priority Information Original	D PRNO
RLI	Related Application Information	D RLI
RLPI	Related Patent Information	D RLPI
TI	Titles (TIEN, TIFR)	D TI
TIEN	Title (English)	D TIEN
TIFR	Title (French)	D TIFR
UO	Ultimate Owner	D UO
UOS	Ultimate Owner Standardized	D UOS
UP	Update Date	D UP
UPTX	Update Date Full-Text	D UPTX
AB (ABS)	ABEN, ABFR	D AB
ALL **(1)**	AN, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, IN, PA, PA.CNY, PAS, PAN, UO, UOS, LA, LAF, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, IDT, ABEN, ABFR, DETDFR, DETDEN, CLMEN, CLMFR, KT	D ALL
ALLG **(1)**	ALL, plus graphic Image	D ALLG
DALL **(1)**	ALL, delimited for post processing	D DALL
IALL **(1)**	ALL, indented with text labels	D IALL
IALLG **(1)**	IALL, plus graphic Image	D IALLG
APPS **(1)**	AI, PRAI	D APPS
BIB **(1)**	AN, EDP, ED, EDTX, UPTX, DED, DUPD, TI, IN, PA, PAS, PAN, UO, UOS, LA, LAF, DT, PI, PIT, AI, PRAI, RLPI, RLI	D BIB
IBIB **(1)**	BIB, indented with text labels	D IBIB
BRIEF**(1)**	AN, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, IN, PA, PAS, PAN, UO, UOS, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, IDT, ABEN, ABFR, MCLMEN, MCLMFR, KT	D BRIEF
BRIEFG **(1)**	BRIEF, plus graphic Image	D BRIEFG
IBRIEF **(1)**	BRIEF, indented with text labels	D IBRIEF
IBRIEFG **(1**	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, EDP, ED, UP, EDTX, UPTX, DED, DUPD, TIEN, TIFR, IN, PA, PAS, PAN, UO, UOS, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, IDT, ABEN, ABFR, , DETDEN, DETDFR CLMEN, CLMFR, KT, FA for all levels of publication	D MAX
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
PASS	PA, PAN, PAS, PA.T, UO, UOS	D PASS
PATS **(1)**	PI, PNO, RLPI	D PATS
SCAN **(4)**	TI (random display without answer numbers)	D SCAN
STD **(1)**	BIB plus IND (STD.M is the default)	D STD
STDG **(1)**	STD plus graphic Image	D STDG
ISTD **(1)**	STD, indented with text labels	D ISTD
ISTDG **(1)**	ISTD, plus graphic Image	D ISTDG
TRIAL (TRI, SAMPLE, SAM, FREE)	AN, EDP, ED, UP, EDTX, UPTX, TIEN, TIFR, FA, DED, DUPD, DETN, CLMN	D TRIAL
TX	DETDEN, DETFR, CLMEN, CLMFR	D TX

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
HIT	Hit term(s) and field(s)	D HIT
KWIC	Up to 50 words before and after hit term(s) (Keyword-In-Context)	D KWIC
OCC	Number of occurrences of hit term(s) and field(s) in which they occur	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) 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) Custom display only.
(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 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 (English and French)	AB	Y	N
Abstract (English)	ABEN	Y	N
Abstract (French)	ABFR	Y	N
Accession Number	AN	Y	Y
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Information	AI (AP)	Y **(2)**	Y
Application Information Original	AIO	Y	Y
Application Kind Code	AK	Y **(3)**	Y
Application Year	AY	Y	Y
CPC Classification	CPC	Y	Y
Data Entry Date	DED	Y	Y
Data Update Date	DUPD	Y	Y
Document Type	DT (TC)	Y	Y
Entry Date	ED	Y	Y
Entry Date Full-Text	EDTX	Y	Y
European Patent Classification	EPC	Y	Y
Field Availability	FA	Y	N
International Patent Classification	IC	Y	N
Inventor	IN (AU)	Y	Y
ICO (in-computer-only) Classification	ICO	Y	Y
IdT Classification	IDT	Y	Y
IPC (ICM, ICS, ICA, ICI, IPCI, IPCR)	IPC	Y	Y
IPC Additional	ICA (IPCA)	Y	Y
IPC, Advanced Level Symbols	IPC.A	Y **(4)**	N
IPC, Advanced Level Symbols for Invention	IPC.AI	Y **(4)**	N
IPC, Reform	IPC.REF	Y	Y
IPC, Index	ICI	Y **(3)**	Y
IPC Initial	IPCI	Y **(4)**	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
IPC Main	ICM	Y	Y
IPC Reclassified	IPCR	Y **(4)**	Y
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	N
Occurrence Count of Hit Terms	OCC	N	Y
Patent Assignee	PA (CS)	Y	Y
Patent Assignee, Country	PA.CNY	Y	Y
Patent Assignee Normalized	PAS	Y	Y
Patent Assignee Standardized	PAN	Y	Y
Patent Country	PC	Y	Y
Patent Information Type	PIT	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PI (PN)	Y **(2)** (default)	Y
Patent Number Original	PNO	Y	Y
Patent Number/Kind Code	PNK	Y **(3)**	Y
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006 - present	IPC.F	Y **(4)**	N
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Number	PRN (PRAI)	Y **(2)**	Y
Priority Number Original	PRNO	Y	Y
Priority Year	PRY	Y	Y
Priority Year First	PRYF	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Related Application Country	RLC	Y	Y
Related Application Date	RLD	Y	Y
Related Application Number	RLN	Y	Y
Related Application Type	RLT	Y	Y
Related Application Year	RLY	Y	Y
Related Patent Country	RLPC	Y	Y
Related Publication Date	RLPD	Y	Y
Related Patent Number	RLPN	Y	Y
Related Publication Year	RLPY	Y	Y
Title	TI	Y	Y
Title (English)	TIEN	Y	Y
Title (French)	TIFR	Y	Y
Ultimate Owner	UO	Y	Y
Ultimate Owner Standardized	UOS	Y	Y
Update Date	UP	Y	Y
Update Date Full-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, ANALYZed, and SORTed application, priority, and patent numbers are in the format set by the MESSENGER SET PATENT command, either Derwent or STN.
(3) SELECT or ANALYZE HIT are not valid with this field.
(4) Appends /IPC to the terms created by SELECT.

Sample Records

DISPLAY BIB.M

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L7     ANSWER 1 OF 1 FRFULL COPYRIGHT 2024 LNBIS on STN.

AN     92897   FRFULL EDP 20141112  ED 20141112 UP 20240219 EDTX 20141112 UPTX
       20191127
       DUPD 20240213 Full-text
TIEN   Light weight field howitzer - includes a barrel which is supported by a
       cradle constructed from hollow members and which is pivotally mounted
       about a trunnion bearing secured to a chassis
TIFR   PERFECTIONNEMENT AUX OBUSIERS DE CAMPAGNE
IN     SEARLE HAROLD LESLIE; EAGLESTONE DAVID ANDREW; BONE JAMES
PA     VICKERS SHIPBUILDING & ENG, GB
PAS    VICKERS SHIPBUILDING & ENG
PAN    VICKERS
UO     BAE SYSTEMS PLC
UOS    BAE Systems
LAF    French
LA     French
DT     Patent; (Fulltext)
PI     FR 2865532             A1    20050729
PIT    FRA1 APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM NO.
       2000000]
AI     FR 1990-7815             A     19900620
PRAI   GB 1988-29192                  19881214

AN     92897   FRFULL EDP 20141112  ED 20141112 UP 20240219 EDTX 20141112 UPTX
       20191124
       DUPD 20240213 Full-text
TIEN   IMPROVEMENT WITH THE FIELD HOWITZERS
TIFR   PERFECTIONNEMENT AUX OBUSIERS DE CAMPAGNE
IN     SEARLE HAROLD LESLIE; EAGLESTONE DAVID ANDREW; BONE JAMES
PA     VICKERS SHIPBUILDING & ENG, GB
PAS    VICKERS SHIPBUILDING & ENG
PAN    VICKERS
UO     BAE SYSTEMS PLC
UOS    BAE Systems
LAF    French
LA     French
DT     Patent; (Fulltext)
PI     FR 2865532             B1    20070810
PIT    FRB1 PATENT OF INVENTION (SECOND PUBL.) [FROM NO. 2000000]
AI     FR 1990-7815             A     19900620
PRAI   GB 1988-29192                  19881214
```

DISPLAY IBRIEF

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L8     ANSWER 1 OF 1 FRFULL COPYRIGHT 2024 LNBIS on STN.
ACCESSION NUMBER:       92897   FRFULL
ENTRY DATE PATENT:      20141112 Full-text
ENTRY DATE:             20141112
UPDATE DATE:            20240219
ENTRY DATE (FULLTEXT):  20141112
UPDATE DATE (FULLTEXT): 20191124
DATA UPDATE DATE:       20240213
TITLE (ENGLISH):        IMPROVEMENT WITH THE FIELD HOWITZERS
TITLE (FRENCH):         PERFECTIONNEMENT AUX OBUSIERS DE CAMPAGNE
INVENTOR(S):            SEARLE HAROLD LESLIE; EAGLESTONE DAVID ANDREW; BONE
                        JAMES
PATENT APPLICANT(S):    VICKERS SHIPBUILDING & ENG, GB
PATENT APPL. STANDARD.: VICKERS SHIPBUILDING & ENG
PATENT APPL. NORMAL.:   VICKERS
ULTIMATE OWNER:         BAE SYSTEMS PLC
```

ULTIMATE OWNER STANDARD:BAE Systems
DOCUMENT TYPE: Patent; (Fulltext)
PATENT INFORMATION: **FR 2865532** B1 20070810
PATENT INFO. TYPE: FRB1 PATENT OF INVENTION (SECOND PUBL.) [FROM NO. 2000000]
APPLICATION INFO.: FR 1990-7815 A 19900620
PRIORITY INFO.: GB 1988-29192 19881214
IPC ORIGINAL: F41F0001-00 [I,A]
IPC RECLASSIF.: F41A0023-30 [I,A]; F41A0023-46 [I,A]; F41A0025-16 [I,A]; F41A0027-08 [I,A]; F41A0027-24 [I,A]; F41A0027-30 [I,A]
CPC CLASSIF.: F41A0027-30; F41A0023-46; F41A0027-08; F41A0025-16; F41A0027-24; F41A0023-30
EPC CLASSIF. (ECLA): F41A0023-46; F41A0023-30; F41A0025-16; F41A0027-08; F41A0027-24; F41A0027-30

ABSTRACT (ENGLISH):
Equivalent from ES2126538A6
The light weight field howitzer includes a barrel (101) which is supported by a cradle constructed from hollow members (119,119A) and which is pivotally mounted about a trunnion bearing (113) secured to a chassis (117). The trunnion bearing (113) lies on the barrel axis and is positioned beyond the limit of maximum recoil of the barrel. Front stabilizers and rear trail support legs are provided to spread the load of the howitzer and spades (106) are rigidly but removably secured to the chassis. The howitzer includes a single hydraulic accumulator arrangement (136,177,185,130,189,119) constituting a combined recoil buffer and recuperator system. A barrel elevating device (Figure (7) not shown)is provided comprising a geared manual device (115,116,153,149,139) assisted by a precompressed gas system (114,119A). Hydraulically pivoted wheels and a pivoted towing lunette may be provided and the howitzer may be split easily into units which can be carried by a light helicopter.

MAIN CLAIM (ENGLISH):
[CLM0001] 1 - Howitzer campaign that includes:
(I in) a tube (101) howitzer;
(ii) a cradle (119a, 125, 126) supporting the tube and having a rear end;
(iii) a frame (117); and
(iv) a support structure (124) trunnion frame-fixed (117) and including a trunnion bearing (113) about which the rear end of the cradle is pivotally mounted, said journal bearing being located on the axis (101a) of the tube (101) and being located beyond the limit of the maximum back of the tube.

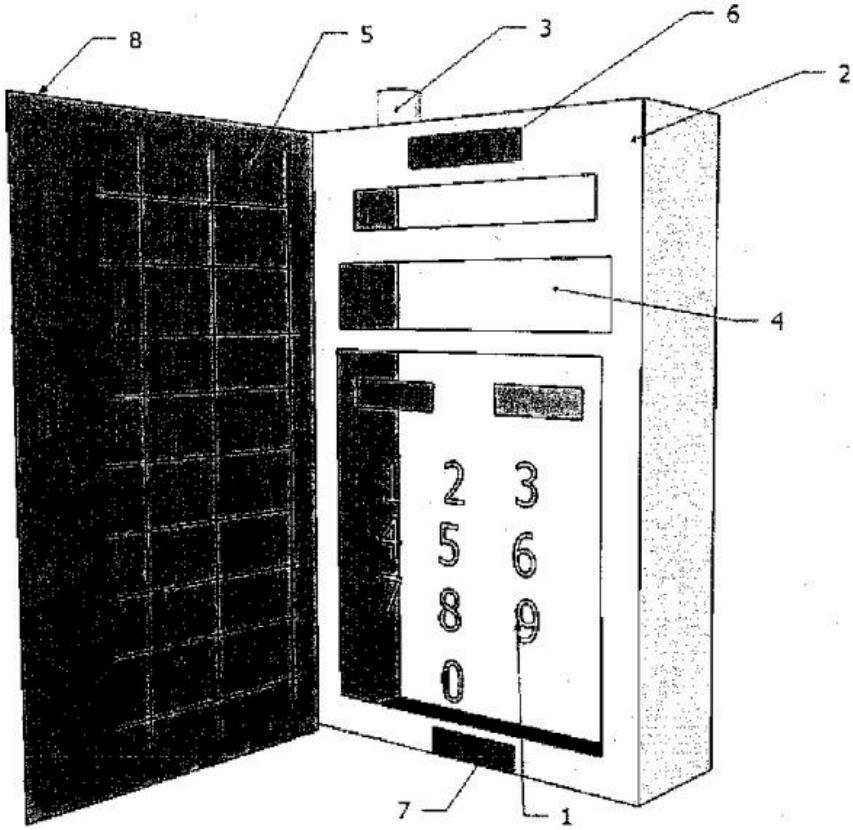
MAIN CLAIM (FRENCH):
[CLM0001] 1- Obusier de campagne qui comprend :
(i) un tube d'obusier (101);
(ii) un berceau (119A, 125, 126) supportant le tube et comportant une extremite arriere ;
(iii) un chassis (117) ; et
(iv) une structure support de tourillon (124) fixee sur le chassis (117) et comprenant un palier de tourillon (113) autour duquel l'extremite arriere du berceau est montee a pivotement, ledit palier de tourillon se trouvant sur l'axe (101A) du tube (101) et etant place au-dela de la limite du recul maximal du tube.

KEYTERMS:
light weight field howitzer; trunnion bearing; hollow member; howitzer campaign; barrel elevating device; light helicopter; pivoted towing lunette; revindication howitzer; tube howitzer; accumulator recoil; muzzle recuperator; trunnion support; recoil tube; recoil absorption system; base plate; combined frame; leg stock; battery system backup; stock short; threaded rod; journal bearing; recoil energy; inert gas volume; tube weight; hydraulic fluid; pressurized inert gas; bearing elevation; housing pointing orientation; hydraulic accumulator; inert gas forming...

DISPLAY MAXG

L9 ANSWER 1 OF 1 FRFULL COPYRIGHT 2024 LNBIS on STN.

AN 1990124 FRFULL EDP 20170517 ED 20170517 UP 20230918 EDTX 20170517 UPTX 20191117
DED 20170511 DUPD 20230913 Full-text
TIEN THE POWER SUPPLY SYSTEM AND SOLAR POWERED RECHARGING OF MOBILE DEVICES USING THE INTERNET
TIFR SYSTEME D'ALIMENTATION ET DE RECHARGE PAR ENERGIE SOLAIRE D'APPAREILS MOBILES UTILISANT INTERNET
IN NGAKA MOUKANGALA, FR; BOHLI IMED, FR
PA NGAKA MOUKANGALA, FR
BOHLI IMED, FR
PAS NGAKA MOUKANGALA; BOHLI IMED
LAF English
LA French
DT Patent; (Fulltext)
PI **FR 3043273** A1 20170505
PIT FRA1 APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM NO. 2000000]
AI FR 2015-2306 A 20151102
PRAI FR 2015-2306 20151102
IPCI H02J0007-35 [I,A]
CPC H02J0007-35; H04M0019-08; H02J2207-40
GI



ABEN

Machine translation
Device for powering and recharging a battery of an apparatus using the Internet such as a portable telephone, a computer or a tablet. The field of intervention of the present invention is the consumer electronics industry. The invention relates to a device for in the absence of any conventional source of recharging electric power cannot be in power failure to be able to reload the portable telephone in all circumstances. It consists of a portable telephone (2) provided with a conventional keypad (1), a speaker (6), a digital display (4), a microphone (7) and an antenna (3) to which is installed a solar panel (5) for powering and recharging the battery. The device according to the invention is particularly intended for powering and recharging portable phones.

ABFR

Original
Dispositif permettant de d'alimenter et de recharger la batterie d'un appareil utilisant internet tel qu'un le telephone portable, un ordinateur ou une tablette. Le domaine d'intervention de la presente invention est l'industrie de l'electronique grand public. L'invention concerne un dispositif permettant en cas d'absence de source classique de recharge d'energie electrique de pouvoir ne pas etre en panne d'electricite d'etre en mesure de recharger son telephone portable en toute circonstance. Il est constitue d'un telephone portable (2) classique muni d'un clavier numerique (1), d'un haut-parleur (6), d'un ecran digital (4), d'un microphone (7) et d'une antenne (3) auquel est installe un panneau solaire (5) permettant d'alimenter et de recharger la batterie. Le dispositif selon l'invention est particulierement destine a recharger et a alimenter les telephones portables.

DETDEN

[DESC0001] The present invention relates to a device for charging the battery of a portable device using the Internet as the mobile phone or tablet, using solar energy.

...

[DESC0010] With reference to the drawings, the device comprises a portable telephone (2) provided with a conventional keypad (1), a speaker (6), a digital display (4), a microphone (7) and an antenna (3) and (8) to which telephone is installed a solar panel (5) for powering the portable phone and recharge the battery.

CLMEN

[CLM0001] 1) device for charging a portable telephone (2) by solar energy characterized in that it comprises a solar panel (5) which absorbs the energy from sun placed next to the speaker (6) and the screen (4) telephone and on the valve (8) which provides protection to the telephone.

[CLM0002] 2) device according to claim 1, characterized in that the phone display (4) may be confused with the solar panel (5).

[CLM0003] 3) device according to claim 1, characterized in that the phone's battery continues to be charged by the electrical current via the conventional loader.

[CLM0004] 4) device according to claim 1 characterized in that the battery of the portable telephone is hybrid which is charged by electricity and solar energy.

[CLM0005] 5) device according to claim 1 characterized in that the recharging device by solar energy may be installed on other electronic appliances using the Internet of the shelves, the cameras or tablets

DETDFR

[DESC0001] La presente invention concerne un dispositif permettant de charger la batterie d'un appareil portable utilisant internet tel que le telephone portable ou une tablette, en utilisant l'energie solaire.

[DESC0002] Actuellement, pour charger par exemple un telephone portable on utilise un chargeur electrique qui delivre un voltage precis selon le modele du telephone et de la batterie et ayant une borne specifique selon le modele du telephone. Recharger la batterie d'un telephone par ce procede est tres simple mais a plusieurs inconvenients. En effet,...

...

[DESC0010] En reference a ces dessins, le dispositif comprend un telephone portable (2) classique muni d'un clavier numerique (1), d'un haut-parleur (6), d'un ecran digital (4), d'un microphone (7) et d'une antenne (3) et d'un clapet de telephone (8) auquel est installe un panneau solaire (5) permettant d'alimenter le telephone portable et de recharger la batterie.

CLMFR

[CLM0001] 1) Dispositif permettant de charger un telephone portable (2) par l'energie solaire caracterise en ce qu'il comporte un panneau solaire (5) qui absorbe l'energie issue du soleil place a cote du haut-parleur (6) et de l'ecran (4) du telephone et sur le clapet (8) qui permet de proteger le telephone.

[CLM0002] 2) Dispositif selon la revendication 1 , caracterise en ce que l'ecran du telephone (4) peut etre confondu avec le panneau solaire (5).

[CLM0003] 3) Dispositif selon la revendication 1 , caracterise en ce que la batterie du telephone continue a etre chargee par le courant electrique via le chargeur classique.

[CLM0004] 4) Dispositif selon la revendication 1 caracterise en ce que la batterie du telephone portable est hybride qui se charge par l'electricite et l'energie solaire.

[CLM0005] 5) Dispositif selon la revendication 1 caracterise en ce que le dispositif de recharge par energie solaire peut etre installe sur d'autres appareils electroniques utilisant internet tels les tablettes, les appareils photographiques ou les tablettes.

AN 1990124 FRFULL EDP 20170517 ED 20180917 UP 20230918 EDTX 20170517 UPTX 20191117
DED 20180913 DUPD 20230913 Full-text
TIEN THE POWER SUPPLY SYSTEM AND SOLAR POWERED RECHARGING OF MOBILE DEVICES USING THE INTERNET
TIFR SYSTEME D'ALIMENTATION ET DE RECHARGE PAR ENERGIE SOLAIRE D'APPAREILS MOBILES UTILISANT INTERNET
IN NGAKA MOUKANGALA, FR; BOHLI IMED, FR
PA NGAKA MOUKANGALA, FR
BOHLI IMED, FR
PAS NGAKA MOUKANGALA; BOHLI IMED
LAF English
LA French
DT Patent; (Fulltext)
PI **FR 3043273** B1 20180907
PIT FRB1 PATENT OF INVENTION (SECOND PUBL.) [FROM NO. 2000000]
AI FR 2015-2306 A 20151102
PRAI FR 2015-2306 20151102
IPCI H02J0007-35 [I,A]
CPC H02J0007-35; H04M0019-08; H02J2207-40
GI

FIG. 1

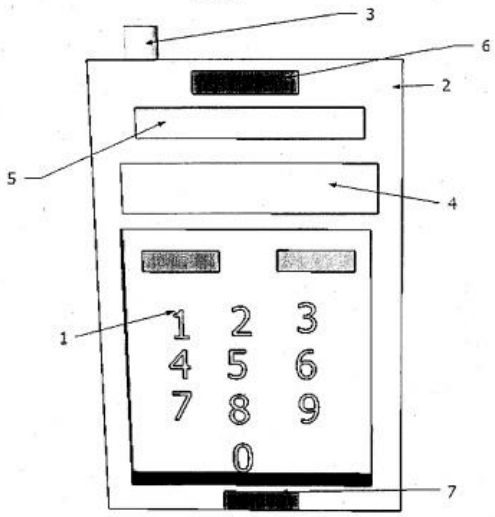
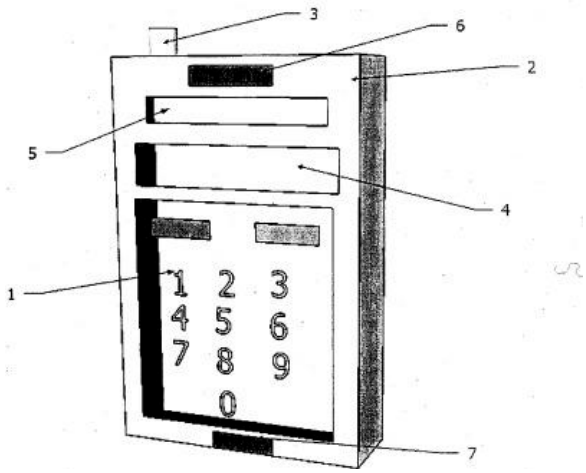


FIG. 2



ABEN

Equivalent from FR3043273A1
Device for powering and recharging a battery of an apparatus using the Internet such as a portable telephone, a computer or a tablet. The field of intervention of the present invention is the consumer electronics industry. The invention relates to a device for in the absence of any conventional source of recharging electric power cannot be in power failure to be able to reload the portable telephone in all circumstances. It consists of a portable telephone (2) provided with a conventional keypad (1), a speaker (6), a digital display (4), a microphone (7) and an antenna (3) to which is installed a solar panel (5) for powering and recharging the battery. The device according to the invention is particularly intended for powering and recharging portable phones.

DETDEN

[DESC0001] The present invention relates to a device for charging the battery of a portable device using the Internet as the mobile phone or tablet, using solar energy.

...

[DESC0010] With reference to the drawings, the device comprises a portable telephone (2) provided with a conventional keypad (1), a speaker (6), a digital display (4), a microphone (7) and an antenna (3) and (8) to which telephone is installed a solar panel (5) for powering the portable phone and recharge the battery.

CLMEN

[CLM0001] 1) Device for charging a portable telephone (2) by solar energy with a solar panel (5) which absorbs energy from the sun and converts it into electrical energy, a screen (4) characterized in that the screen of the laptop (4) coincides with the solar panel (5), the latter being mounted under the screen of the laptop (4).

[CLM0002] 2) Device according to claim 1, characterized in that the phone's battery continues to be charged by the electrical current via the conventional loader.

[CLM0003] 3) Device according to claim 1 characterized in that the recharging of the battery of the mobile phone is indifferently through an electrical outlet or via energy from the solar panel.

[CLM0004] 4) Device according to claim 1 characterized in that the recharging device by solar energy may be installed on other electronic devices such as tablets, the cameras or portable computers.

DETDFR

[DESC0001] La presente invention concerne un dispositif permettant de charger la batterie d'un appareil portable utilisant internet tel que le telephone portable ou une tablette, en utilisant l'energie solaire.

...

[DESC0010] En reference a ces dessins, le dispositif comprend un telephone portable (2) classique muni d'un clavier numerique (1), d'un haut-parleur (6), d'un ecran digital (4), d'un microphone (7) et d'une antenne (3) et d'un clapet de telephone (8) auquel est installe un panneau solaire (5) permettant d'alimenter le telephone portable et de recharger la batterie.

CLMFR

[CLM0001] 1) Dispositif permettant de charger un telephone portable (2) par l'energie solaire comportant un panneau solaire (5) qui absorbe l'energie issue du soleil et la transforme en energie electrique, un ecran (4) caracterise en ce que l'ecran du portable (4) est confondu avec le panneau solaire (5), ce dernier etant monte sous l'ecran du portable (4).

...

[CLM0004] 4) Dispositif selon la revendication 1 caracterise en ce que le dispositif de recharge par energie solaire peut etre installe sur d'autres appareils electroniques tels que les tablettes, les appareils photographiques ou les ordinateurs portables.

KT

solar powered recharging; power supply system; solar energy; solar panel; portable telephone; portable phone; battery cell phone; mobile phone; mobile battery; desert terrain; phone display; electronic appliance; electric power; power failure; recharging device; energy source; portable device; electrical energy; consumer electronic; dimensional end view; power source; electric charger; power consumption; electricity outlet; high loudspeaker; electrical system; execution variant; premature discharge; digital display