

## JPFULL (Japan (JP) Patents Full-text)

<b>Subject Coverage</b>	All patent-relevant areas of science and technology, i.e., all classes of the International Patent Classification		
<b>File Type</b>	Full-text		
<b>Features</b>	Thesauri	International Patent Classification (/IPC), Cooperative Patent Classification (/CPC), European Patent Classification (/EPC and /ICO)	
	<a href="#">Alerts (SDIs)</a>	Weekly or monthly (weekly is the default)	
	CAS Registry Number® Identifiers	<input type="checkbox"/>	<a href="#">SLART</a> <input checked="" type="checkbox"/>
	<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	Structures <input type="checkbox"/>
<b>Record Content</b>	<ul style="list-style-type: none"> <li>• Full-text of patent applications, granted patents, utilities models and design patents published in Japan.</li> <li>• Records are available between two and seven days after publication date with the complete content.</li> <li>• Records contain bibliographic data including patent assignee, inventor and legal representative (in Japanese) information, patent, application, priority, and related application data, IPC, CPC, EPC, and ICO classification codes, abstract, and full-text of description and claims.</li> <li>• The IPC-based FI classification (/FCL) and the F-term classification (/FTERM) are available for more than 15 million Japanese patents and utility models back to 1960.</li> <li>• The Locarno classification (/LCL) is available for the design patents.</li> <li>• Abstracts are either machine translated or taken from equivalent documents if available. Machine translated abstracts of documents with kind code A are replaced by human translated text about three months later. Titles are machine translated, which are in case of kind code A documents replaced by human translations about three months later as well. Descriptions and claims are always machine translated.</li> <li>• Title, abstract, patent assignee, and inventor are additionally displayable in Japanese characters.</li> <li>• Independent claims and claim groups are searchable for all claims in English.</li> <li>• 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.</li> <li>• Standardized and normalized patent assignee names are searchable in their own fields /PAS and /PAN.</li> <li>• 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.</li> <li>• Clipped images (mostly front-page images) are included, when available.</li> <li>• The Field Availability Index contains information on the availability of name (applicants, inventors, agents) or text fields (titles, abstracts, descriptions, claims).</li> <li>• Database records comprise all documents published for one application.</li> <li>• Some of the full-text has been created by Optical Character Recognition (OCR) software. Therefore, characters may be misinterpreted, or portions of the text may be incomplete.</li> </ul>		
<b>File Size</b>	<ul style="list-style-type: none"> <li>• More than 19.55 million family records with more than 26.9 million publications and 12.1 million images (06/2023)</li> </ul>		
<b>Coverage</b>	Application year 1913 to present		



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<b>Updates</b>	Weekly
<b>Language</b>	English
<b>Database Producer</b>	LexisNexis Univentio BV Galileiweg 8 2333 BD Leiden The Netherlands Phone: (+31) 88-6390000 Email: <a href="mailto:customersupport@univentio.com">customersupport@univentio.com</a> Copyright Holder
<b>Sources</b>	Patent applications, granted patents, and utilities models published by the Japan Patent Office
<b>User Aids</b>	<ul style="list-style-type: none"><li>• Online Helps (HELP DIRECTORY lists all help messages available)</li><li>• STNGUIDE</li></ul>
<b>Clusters</b>	<ul style="list-style-type: none"><li>• AEROTECH</li><li>• ALLBIB</li><li>• AUTHORS</li><li>• CORPSOURCE</li><li>• ENGINEERING</li><li>• FULLTEXT</li><li>• HPATENTS</li><li>• NPS</li><li>• PATENTS</li><li>• PNTTEXT</li></ul> STN Database Clusters information: <a href="https://www.cas.org/support/training/stn/database-clusters">https://www.cas.org/support/training/stn/database-clusters</a>

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

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 title (TIEN), abstract (ABEN), detailed description (DETDEN), claims (CLMEN), and main claims (MCLMEN) and key term (KT) fields)	None or /BI	S TRANSISTOR AND ELECTRODES ACOUSTIC SENSOR S ?TRANSFER?	TIEN, ABEN, DETDEN, CLMEN, MCLMEN, KT
Abstract* Abstract in English* Accession Number Agent Number Application Country (WIPO code and text) Application Date (1) Application Kind Code Application Number (2)	/AB /ABEN /AN /AGN /AC	S BOREHOLE/AB S BOREHOLE/ABEN S 2011006109/AN S 100111442/AGN S JP/AC	AB AB, ABEN AN AGN AI
Application Number, Original Application Year (1) Claims* Claims in English * Claims Claim Groups *	/AD /AK /AP (or /APPS) /APO /AY /CLM /CLMEN /CLM.CG	S AD=JAN 2011 S JPA/AK S JP2011-101353/AP S JP2015004901U/APO S AY>=2000 S DERIVATION/CLM S DERIVATION/CLMEN S OFFICE CHAIR/CLM.CG	AI AI AI APO AI CLM CLM, CLMEN CLM, CLM.CG CLM.IC CLM, CLMEN CPC CPC.TAB
Claims Independent Claims *	/CLM.IC	S OFFICE CHAIR/CLM.IC	CPC CPC.TAB
Cooperative Patent Classification (3) Cooperative Patent Classification, Action Date Cooperative Patent Classification, Keyword Cooperative Patent Classification, Version Data Entry Date (1) Data Update Date (1) Document Type (code and text) Entry Date (1) Entry Date of Fulltext (1) European Patent Classification (3)	/CPC /CPC.ACD /CPC.KW /CPC.VER /DED /DUPD /DT (or /TC) /ED /EDTX /EPC (or /ECLA or EPCLA) /EPC.KW /FA /IPC	S C12N0009/CPC S 20121113/CPC.ACD S C12N0009/CPC (S) I/CPC.KW S 20130101/CPC.VER S 20221013DED S 20220315/DUPD S P/DT S UTILITY MODEL/DT S ED=SEP 2012 S 20120926/EDTX S H02K0003-12/EPC	CPC CPC.TAB CPC.TAB DED DUPD DT ED EDTX EPC
EPC, Keywords Field Availability International Patent Classification (ICM, ICS, ICA, ICI, IPCI, IPCR) (3)	/EPC (or /ECLA or EPCLA) /EPC.KW /FA /IPC	S A/EPC.KW S AB/FA S A01B0001-02/IPC	EPC FA ICM, ICS, ICA, ICI IPCI, IPCR IC, ICM, ICS ICA, ICI IPC.TAB ICA, IPC, IC
International Patent Classification (ICM, ICS)	/IC (or /IPCMS)	S A45D/IC	IC, ICM, ICS ICA, ICI IPC.TAB ICA, IPC, IC
International Patent Classification, Action Date International Patent Classification, Advanced	/IPC.ACD /ICA (or /IPCA	S 21 JUL 2007/IPC.ACD S C07K0019-00/ICA	ICA, IPC, IC

## General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
International Patent Classification, Index	/ICI (or IPCIN)	S B29K0307:04/ICI	ICI, IPC, IC
ICO (in-computer-only) Classification (3) Inventor	/ICO /IN (or /AU)	S T04L0025:02C /ICO S MASAKI NAGAOKA/IN S MASAKI?/IN	ICO IN
Inventor, Country (WIPO code and text)	/IN.CNY	S JP/IN.CNY	IN, IN.CNY
IPC, Initial	/IPCI	S B21B0001/IPCI	IPCI, IPC
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main	/ICM (or IPCM)	S A63B017-00/ICM	ICM, IPC, IC
IPC, Reclassified	/IPCR	S B21D0005-02/IPCR	IPCR, IPC
IPC, Reform	/IPC.REF	S A01B0001-16/IPC.REF	IPC.TAB
IPC, Secondary	/ICS (or IPCS)	S A41C003-12/ICS	ICS, IPC, IC
IPC, Version	/IPC.VER	S 7/IPC.VER	IPC.TAB
Japanese Patent Classification (FI-Terms)	/FCL (or /JPC)	S A01B0001-24 B/FCL	FCL
Japanese Patent Classification (F-Terms)	/FTRM (/FTERM, /JPCLA)	S 5H030/AA00/FTRM	FTRM
Key Terms	/KT	S GLUCOSE ABSORPTION/KT	KT
Language (code and text)	/LA	S JA/LA or S JAPANESE/LA	LA
Language, Filing (code and text)	/LAF	S JA/LAF S JAPANESE/LAF	LAF
Locarno Classification	/LCL	S 19-02/LCL	LCL
Main Claim*	/MCLM	S ?FRACTURE?/MCLM	MCLM
Main Claim in English *	/MCLMEN	S ?FRACTURE?/MCLMEN	MCLMEN, MCLM
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 Address	/PAA	S TOKYO/PAA	PA
Patent Assignee/Patentee (4)	/PA (or /CS)	S AISIN SEIKI CO LTD/PA	PA
Patent Assignee, Country (4)	/PA.CNY	S JP/PA.CNY	PA, PA.CNY
Patent Assignee Number	/PA.NO	S 300004681/PA.NO	PA.NO
Patent Assignee, Total	/PA.T	S TOKYO/PA.T	PA
Patent Assignee Normalized	/PAN	S SONY/PAN	PAN
Patent Assignee Standardized	/PAS	S SONY/PAS	PAS
Patent Country (WIPO code and text)	/PC	S JP/PC	PI
Patent Information Publication Type	/PIT	S JPA DOC. LAID OPEN TO PUBL. INSPEC. (PUBLISHED FROM 1971 ONWARDS/PIT	PIT
Patent Kind Code	/PK	S JPA/PK	PI
Patent Number (2)	/PN (or /PATS)	S JP 2012070634/PN	PI
Patent Number, Original	/PNO	S JP2011062216/PNO	PNO
Patent Number/Kind Code	/PNK	S JP2011062572A/PNK	PI
Physical Properties	/PHP	S VOLT/PHP (S) TOUCH SCREEN/BI	KWIC
Priority Country (WIPO code and text)	/PRC	S JP/PRC S JAPAN/PRC	PRN
Priority Date (1)	/PRD	S PRD=MAY, 20 2003 S 20030520/PRD	PRN
Priority Date, First (1)	/PRDF	S 20010614/PRDF	PRN
Priority Number (2)	/PRN	S DE2004-102004063838/PRN	PRN
Priority Number, Original	/PRNO	S US10054698P/PRNO	PRNO, PRAO
Priority Year (1)	/PRY	S 2003/PRY	PRN
Priority Year, First (1)	/PRYF	S 2003-2004/PRYF	PRN

### General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Publication Date (1)	/PD	S PD=MARCH-APRIL 2011	PI
Publication Year (1)	/PY	S PY>2008 AND L1	PI
Related Application Country	/RLC	S WO/RLC	RLI
Related Application Number	/RLN	S WO2005-JP19917/RLN	RLI
Related Application Date (1)	/RLD	S 20050329/RLD	RLI
Related Application Year (1)	/RLY	S 2005/RLY	RLI
Related Patent Country	/RLPC	S WO/RLPC	RLI
Related Patent Number	/RLPN	S WO2021153764/RLPN	RLI
Related Patent Date (1)	/RLPD	S 20210805/RLPD	RLI
Related Patent Year (1)	/RLPY	S 2019/RLPY	RLI
Title	/TI	S FLUID###/TI	TI
Title (English)*	/TIEN	S FLUID###/TIEN	TI, TIEN
Update Date (1)	/UP	S UP=SEP 2012	UP
Update Date Text (1)	/UPTX	S 20210310/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.

(5) Field available for records since 20180813/UP.

### 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, PRN, RLN	S JP2011-101353/APPS	AI, PRAI, APPS
Patent Assignee Group	/PASS	PA, PA.T, PAN, PAS	S BASF/PASS	PA, PAN, PAS
Patent Number Group	/PATS	PN, RLPN	S JP 2012070634/PN	PI, RLPI

## Property Fields <sup>1)</sup>

In JPFULL a numeric search for a specific set of physical properties (/PHP) is available within the 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	S 1-10/CATA
/CDN	Current Density	Ampere/Square Meter	A/m <sup>2</sup>	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 <sup>3</sup>	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	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	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 <sup>2</sup> /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
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	S MFST/PHP
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS

Property Fields <sup>1)</sup> (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/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 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 <sup>2</sup>	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 <sup>2</sup> /kg	S 1-10/SSAM
/STSC (/ST)	Surface Tension	Joule /Square Meter	J/m <sup>2</sup>	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	m <sup>3</sup> /s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m <sup>3</sup>	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 0.00000092).



## 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 A61K0006-06+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

This thesaurus is 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 (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 SCRAPER BIASING MEANS+CODE/EPC
DEF	Definition (SELF, DEF)	E B65G0045-16+DEF/EPC
HIE	Hierarchy terms (all 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 the 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.

## 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 G01J0003-443+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 G01J0003-44+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

(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 PA. 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 of a database record, you can simply add for certain display field the kind code to the appropriate display format, e.g., ALL.A. 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.

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

Format	Content	Examples
AB (ABS)	Abstract	D TI AB 1-5
ABEN	Abstract (English)	D ABEN
ABJA	Abstract (Japanese)	D ABJA
AGN	Agent Number	D AGN
AGJA	Agent (Japanese)	D AGJA
AI (AP) (1)	Application Information	D AI
AN	Accession Number	D L3 AN
APO	Application Number Original	D APO
CLM (2)	Claims	D CLM
CLM.CG (3)	Claims, Claim Group	D CLM.CG
CLM.IC (3)	Claims, Independent Claims	D CLM.IC
CLMEN (3)	Claims (English)	D CLMEN
CLMN (2)	Number of Claims	D CLMN
CPC	Cooperative Patent Classification	D CPC
CPC.TAB	CPC, Tabular	D CPC.TAB
DETD (3)	Detailed Description	D DETD
DETN (2)	Number of Paragraphs in DETD	D DETN
DT (TC)	Document Type	D DT
ED	Entry Date	D ED
EDTX	Entry Date of Fulltext	D EDTX
EPC	European Patent Classification	D EPC
FA	Field Availability (for all publication levels)	D FA
FCL	Japanese Patent Classification (FI-Terms)	D FCL
FTRM	Japanese Patent Classification (F-Terms)	D FTRM
FTRM, JPCLA)		
IC	IPC, Version 1-7 (format contains ICM, ICS, ICA, ICI)	D IC
ICA	IPC, Additional	D ICA
ICI	IPC, Indexed	D ICI
ICM	IPC, Main	D ICM
ICO	ICO (in-computer-only) Classification	D ICO
ICS	IPC, Secondary	D ICS
IN (AU)	Inventor	D IN
IN.CNY	Inventor, Country	D IN.CNY
INJA	Inventor (Japanese)	D INJA
IPC	IPC, version 1-8 (format contains ICM, ICS, ICA, ICI, IPCI, IPCR)	D IPC
IPC.TAB	IPC, Tabular Format	D IPC.TAB
IPCI	IPC, Initial	D IPCI
IPCR	IPC, Reclassified	D IPCR
LA	Language	D LA
LAF	Language of Filing	D LAF
LCL	Locarno Classification	D LCL
MCLM (3)	Main Claim	D MCLM
MCLMEN (3)	Main Claim (English)	D MCLMEN
PA (CS)	Patent Assignee/Patentee	D PA
PA.CNY	Patent Assignee, Country	D PA.CNY
PA.NO	Patent Assignee, Number	D PA.NO

## DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
PAN	Patent Assignee Number	D PAN
PNO	Patent Number, Original Format	D PNO
PAN	Patent Assignee Number	D PAN
PAS	Patent Assignee Standardized	D PAS
PI (PN, PATS) (1)	Patent Information	D PI
PIT	Patent Information Publication Type	D PIT
PNO	Patent Number, Original Format	D PNO
PRN (PRAI) (1,5)	Priority Information	D PRN
PRNO (PRAO) (2)	Priority Number, Original Format	D PRNO
RLI (RLN)	Related Patent Information	D RLI
RLPI	Related Patent Information	D RLPI
TI	Title	D TI
TIEN	Title (English)	D TIEN
TIJA	Title (Japanese)	D TIJA
UP	Update Date	D UP
UPTX	Update Date Text	D UPTX
ALL (1,3)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, PA, PA.NO, PAS, PAN, AGN, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, FCL, FTRM, LCL, ABEN, DETDEN, CLMEN, KT	D ALL
ALLO (1,3)	AN, EDP, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, INJA, PA, PA.NO, PAS, PAN, AGJA, AGN, LAF, LA, DT, PI or PNO (if no PI), PIT, AI or APO (if no AI), PRAI or PRAO (if no PRAI), RLPI, RLI, IPC, CPC, EPC, ICO, FCL, FTRM, LCL, ABEN, ABJA, DETDEN, CLMEN, KT	D ALLO
IALL (1,3)	ALL, indented with text labels	D IALL
DALL (1)	ALL, delimited for post processing	D DALL
APPS (1)	AI, RLN, PRAI	D APPS
BIB (1)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TI, IN, IN.CNY, PA, PA.CNY, LAF, LA, DT, PIT, PI, AI, RLI, PRAI	D BIB
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IBIB (1)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, PA, PA.NO, PAS, PAN, AGN, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI	D IBIB
BRIEFO (1)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, PA, PA.NO, PAS, PAN, AGN, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, FCL, FTRM, LCL, ABEN, MCLMEN, KT	D BRIEF
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IBRIEF (1)	BRIEF, indented with text labels	D IBRIEF
IND	ED, IPC (ICM, ICS, ICA, ICI, IPCI, IPCR), CPC, EPC, ICO	D IND
IPC	International Patent Classification (ICM, ICS, ICA, ICI, IPCI, IPCR)	D IPC
IPC.TAB	IPC, IPC.KW, IPC.VER, in tabular version	D IPC.TAB
CPC.TAB	CPC, in tabular version	D CPC.TAB
MAX (ALL.M) (1)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, PA, PA.NO, PAS, PAN, AGN, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, FCL, FTRM, LCL, ABEN, DETDEN, CLMEN, KT, FA for all levels of publication	D MAX
IMAX (IALL.M) (1)	MAX, indented with text labels	D IMAX
SCAN (4)	TI (random display without answer numbers)	D SCAN
STD (1)	AN, ED, EDTX, UP, UPTX, DED, DUPD, TIEN, TIJA, IN, PA, PA.NO, PAS, PAN, AGN, LAF, LA, DT, PI, PIT, AI, PRAI, RLPI, RLI, IPC, CPC, EPC, ICO, FCL, FTRM, LCL (STD.M is default)	D STD

**DISPLAY and PRINT Formats (cont'd)**

Format	Content	Examples
ISTD (1) TRIAL (TRI, SAM, SAMPLE, FREE) TX	STD, indented with text labels ED, EDTX, UP, UPTX, DED, DUPD, TIEN, FA, DETN, CLMN  DETD, CLM	D ISTD D TRIAL  D TX
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.
- (3) 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., CLM.B2.
- (4) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

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<b>Field Name</b>	<b>Field Code</b>	<b>ANALYZE/ SELECT (1)</b>	<b>SORT</b>
Abstract	AB	Y	Y
Abstract (English)	ABEN	Y	Y
Accession Number	AN	Y	Y
Agent Number	AGN	Y	Y
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Information	AI (AP, APPS)	Y (2)	Y
Application Kind Code	AK	Y	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	Y	Y
Entry Date	ED	Y	Y
Entry Date Full-text	EDTX	Y	Y
European Patent Classification	EPC (ECLA)	Y	Y
Field Availability	FA	Y	N
International Patent Classification	IC	Y	N
Inventor	IN (AU)	Y	Y
Inventor, Country	IN.CNY	Y	Y
IC (ICM, ICS, ICA, ICI)	IC	Y	Y
ICO (in-computer-only) Classification	ICO	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, Core Level	IPC.C	Y (4)	N
IPC, Core Level for Invention	IPC.CI	Y (4)	N
IPC, Indexed	ICI (IPCIN)	Y	Y
IPC, Initial	IPCI	Y	Y
IPC, Main	ICM (IPCM)	Y	Y
IPC, Reclassified	IPCR	Y	Y
IPC, Reform	IPC.REF	Y	N
IPC, Secondary	ICS (IPCS)	Y	Y
Japanese Patent Classification (F-Term)	FTRM	Y	Y
Japanese Patent Classification (FI-Term)	FCL	Y	Y
Key Terms	KT	Y	N
Language	LA	Y	Y
Language of Filing	LAF	Y	Y
Locarno Classification	LCL	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/Patentee	PA (CS)	Y	Y
Patent Assignee, Country	PA.CNY	Y	Y
Patent Assignee, Address	PAA	Y	N
Patent Assignee Normalized	PAN	Y	Y
Patent Assignee Number	PA.NO	Y	Y
Patent Assignee Standardized	PAS	Y	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Patent Country	PC	Y	Y
Patent Information Publication Type	PIT	Y	Y
Patent Information Publication Type	PIT	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PI (PN, PATS)	Y (default)	Y
Patent Number, Original	PNO	Y	Y
Patent Number/Kind Code	PNK	Y	Y
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006-present	IPC.F	Y (4)	Y
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Date, First	PRDF	Y	Y
Priority Number	PRN (PRAI)	Y	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 Number	RLN	Y	Y
Related Application Date	RLD	Y	Y
Related Application Year	RLY	Y	Y
Related Patent Country	RLPC	Y	Y
Related Patent Number	RLPN	Y	Y
Related Patent Date	RLPD	Y	Y
Related Patent Year	RLPY	Y	Y
Title	TIEN	Y	Y
Update Date	UP	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) 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.

## Sample Records

## DISPLAY ISTD

ANSWER 1 JPFULL COPYRIGHT 2023 LNU on STN.

ACCESSION NUMBER: 2011040790 JPFULL  
 ENTRY DATE PATENT: 20120926 [Full-text](#)  
 ENTRY DATE: 20120926  
 UPDATE DATE: 20220417  
 ENTRY DATE (FULLTEXT): 20120926  
 UPDATE DATE (FULLTEXT): 20210715  
 DATA ENTRY DATE: 20111223  
 DATA UPDATE DATE: 20220412  
 TITLE (ENGLISH): USE OF GLASS FOR APPLICATION TO PHOTOVOLTAIC POWER  
 GENERATION  
 TITLE (JAPANESE): 太陽光発電適用  
 のためのガラス  
 の使用  
 INVENTOR(S): FAFNER JORG;  
 OTTO FRANZ;  
 SPAIGHT BURCKHARD  
 PATENT APPLICANT(S): Schott AG, Hattenbergstr.10, D-55122 Mainz, Germany  
 PATENT APPL. STANDARD.: SCHOTT  
 PATENT APPL. NORMAL.: SCHOTT  
 PATENT APPLICANT NUMB.: 504299782  
 AGENT NUMBER: 100116872  
 LANGUAGE OF FILING: Japanese  
 LANGUAGE OF PUBL.: Japanese  
 DOCUMENT TYPE: Patent; (Fulltext)  
 PATENT INFORMATION: JP 2011258954 A 20111222  
 PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM  
 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT  
 APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM  
 19790726 ONWARDS]  
 APPLICATION INFO.: JP 2011-128030 A 20110608  
 PRIORITY INFO.: DE 2010-102010023366 20100610  
 IPC ORIGINAL: H01L0031-04 [I,A]; C03C0003-083 [I,A]; C03C0003-085  
 [I,A]; C03C0003-087 [I,A]; C03C0003-091 [I,A];  
 C03C0003-093 [I,A]; C03C0003-095 [I,A]  
 CPC CLASSIF.: Y02E0010-541; C03C0003-093; C03C0003-087;  
 H01L0031-03925; H01L0031-0322; C03C0003-085;  
 C03C0003-11; H01L0031-0392; H01L0031-03923;  
 C03C0003-112  
 JAP. PATENT CLASSIF.: H01L0031-04 E; C03C0003-08; C03C0003-08; C03C0003-08;  
 C03C0003-09; C03C0003-09; C03C0003-09  
 FTERM CLASSIF.: 4G062/AA01; 4G062/BB01; 4G062/DA05; 4G062/DA06;  
 4G062/DB03; 4G062/DB04; 4G062/DC01; 4G062/DC02;  
 4G062/DC03; 4G062/DD01; 4G062/DE01; 4G062/DE02;  
 4G062/DE03; 4G062/DF01; 4G062/EA01; 4G062/EA02;  
 4G062/EA03; 4G062/EB04; 4G062/EC01; 4G062/EC02;  
 4G062/EC03; 4G062/ED01; 4G062/ED02; 4G062/ED03;  
 4G062/EE01; 4G062/EE02; 4G062/EE03; 4G062/EF01;  
 4G062/EF02; 4G062/EF03; 4G062/EG01; 4G062/EG02;  
 4G062/EG03; 4G062/FA01; 4G062/FA10; 4G062/FB01;  
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 4G062/FG01; 4G062/FH01; 4G062/FJ01; 4G062/FK01;  
 4G062/FL01; 4G062/FL02; 4G062/FL03; 4G062/GA01;  
 4G062/GA02; 4G062/GA03; 4G062/GA10; 4G062/GB01;  
 4G062/GC01; 4G062/GD01; 4G062/GE01; 4G062/GE02;



4G062/GE03; 4G062/HH01; 4G062/HH03; 4G062/HH05;  
 4G062/HH07; 4G062/HH08; 4G062/HH09; 4G062/HH11;  
 4G062/HH12; 4G062/HH13; 4G062/HH15; 4G062/HH17;  
 4G062/HH20; 4G062/JJ01; 4G062/JJ03; 4G062/JJ04;  
 4G062/JJ05; 4G062/JJ07; 4G062/JJ10; 4G062/KK01;  
 4G062/KK03; 4G062/KK05; 4G062/KK07; 4G062/KK10;  
 4G062/MM27; 4G062/NN34; 5F151/AA09; 5F151/AA10;  
 5F151/GA03  
 EPC CLASSIF. (ECLA): H01L0031-032C; C03C0003-085; C03C0003-087;  
 C03C0003-093; C03C0003-11; C03C0003-112; H01L0031-0392  
 IN-COMPUTER-ONLY CLASSIF.:Y02E0010-50

**DISPLAY BIBO.M**

ANSWER 1 JPFULL COPYRIGHT 2023 LNU on STN.

AN 2023001513 JPFULL EDP 20230326 ED 20230326 UP 20230423 EDTX 20230326  
 DED 20230324 DUPD 20230419 [Full-text](#)  
 TIEN Filter segments, non-combustion heated smoking articles and  
 non-combustion heated smoking systems  
 TIJA フィルターセグメン  
 ト、非燃焼加熱喫煙  
 物品及び非燃焼加熱  
 喫煙システム  
 INJA 山内 悠司,  
 東京都墨田区横川一  
 丁目17番7号  
 日本たばこ産業株式  
 会社内  
 PA JAPAN TOBACCO INC  
 PAS JAPAN TOBACCO  
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 PA.NO 000004569  
 PAJA 日本たばこ産業株式  
 会社, 東京都港区虎  
 ノ門四丁目1番1号  
 AGN 100118902; 100106208; 100196508; 100168066  
 AGJA 山本 修  
 宮前 徹  
 松尾 淳一  
 鈴木 雄太  
 LAF Japanese  
 LA Japanese  
 DT Patent; (Fulltext)  
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or  
 PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL  
 APPLICATION) [FROM 19790726 ONWARDS]  
 PI JP 2023041888 A 20230324  
 AI JP 2023-15089 20230203  
 RLI JP 2020-555707 20191112 Parent Application  
 PRAI JP 2018-213395 20181114

AN 2023001513 JPFULL EDP 20230326 ED 20230424 UP 20230423 EDTX 20230424  
 DED 20230417 DUPD 20230419 [Full-text](#)  
 TIEN Filter segments, non-combustion heated smoking articles and  
 non-combustion heated smoking systems  
 TIJA フィルターセグメン

## JPFULL

ト、非燃焼加熱喫煙  
物品及び非燃焼加熱  
喫煙システム

INJA 山内 悠司,  
東京都墨田区横川一  
丁目17番7号  
日本たばこ産業株式  
会社内

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PAN JAPAN TOBACCO  
PA.NO 000004569  
PAJA 日本たばこ産業株式  
会社, 東京都港区虎  
ノ門四丁目1番1号

AGN 100118902; 100106208; 100196508; 100168066

AGJA 山本 修  
宮前 徹  
松尾 淳一  
鈴木 雄太

LAF Japanese  
LA Japanese  
DT Patent; (Fulltext)

PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716  
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301  
ONWARDS]

PI JP 7259146B B2 20230417  
AI JP 2023-15089 20230203  
RLI JP 2020-555707 20191112 Parent Application  
PRAI JP 2018-213395 20181114

## DISPLAY ALL

ANSWER 1 JPFULL COPYRIGHT 2023 LNU on STN.  
AN 2022065984 JPFULL EDP 20230402 ED 20230402 UP 20230417 EDTX 20230402  
DED 20230331 DUPD 20230413 [Full-text](#)  
TIEN Holders for used beverage cartons and other paper items  
TIJA 使用済みの飲料物の  
紙パック等紙類のホ  
ルダー  
INJA 大木 将弘,  
静岡県三島市梅名244-2  
PA OKI MASAHIRO  
PAJA 大木 将弘,  
静岡県三島市梅名244-2  
PAS OKI MASAHIRO  
PA.NO 308004630  
LAF Japanese  
LA Japanese  
DT Patent; (Fulltext)  
PI JP 2023044733 A 20230331  
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or  
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL  
APPLICATION) [FROM 19790726 ONWARDS]  
AI JP 2022-161951 20220917  
PRAI JP 2021-171244 20210920  
JP 2022-142572 20220822  
IPCI B65D0061-00 [I,A]  
FCL B65D0061-00 J  
FTRM 3E085/AA04; 3E085/AB01; 3E085/AB03; 3E085/AD01

AB

Machine translation

Challenge: Provide holders for used beverage cartons and other paper items that can be stored together in a small amount of space and can be easily bundled together.

[Solution] A tip that can temporarily fasten a pocket of an extendable band 5 having a band-compatible pillar 3 in a set of two bands, and at the top of each band-compatible pillar, Velcro 6 on the front and back of both ends, and a pocket 2 on the surface of both ends is provided. and elastic bands. Also in a set of two, each pillar has a tack 10 and a tack-compatible string 11 on the outside of each pillar, and at least one flexible tack-compatible pillar that can sandwich used paper cartons crushed by the two tack-compatible pillars 9.

[Selected diagram] Fig. 9

DETDEN

[DESC0001] The present invention is a holder that can be stored without taking up space when storing paper such as paper carton containers of used beverages and envelopes to be disposed of as renewable resources, and when disposed of as recyclable waste, a plurality of paper packs and seals to be disposed of can be easily and firmly tied together.

.....

**JPFULL**

[DESC0008] 1 Main unit  
 2 pockets  
 Three-band pole  
 4-band pole tip  
 5 Stretchable Band  
 6 Velcro  
 7 Crushed used paper cartons and other paper  
 8 Binding cord  
 9 Pillars for tacks  
 10 tacks  
 11 Tack compatible cord

**CLMEN**

[CLM0001] Holders for used beverage cartons and other paper cartons having a main body (1) installed so that one or more sets of pillars (1) are installed so that the combination of two pillars (3) and (9) facing each other decreases as each of them moves downward.

[CLM0002] Holders for paper cartons and other paper cartons of used beverages in which at least one pair of band-compatible pillars (3) with a tip (4) that can temporarily fasten an extendable band (5) at the top of the pillar

.....

**KT**

beverage carton; paper item; paper carton; paper pack; distractable stretchable band body; extendable band; tack-compatible pillar; tack compatible pillar; tack correspondence pillar; band-compatible pillar; shrinkable band; tack-compatible string; tack compatible cord; elastic band; binding string; stretchable bandperspective view; body bird; velcro tape; sandwich bundle; body surface; recycled resource; original shape; sealed letter; bonding string; recyclable waste; stretchable bandbehind; slippery material; binding cord; renewable resource; valuable resource

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 customer@jaici.or.jp (Customer Service)  
 Internet: [www.jaici.or.jp](http://www.jaici.or.jp)