# AUPATFULL (Australia (AU) 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 and /ICO) | |
| | Alerts (SDIs) | Weekly or monthly (weekly is the default) | |
| | CAS Registry Number® Identifiers ☐ | Page Images | ☐ |
| | Keep & Share ☑ | SLART | ☑ |
| | Learning Database ☐ | Structures | ☐ |

| **Record Content** | <ul><li>Full text of patent applications and patent specifications published in Australia.</li><li>Patent applications and patent specifications from 1964 to the present.</li><li>Records of the database contain bibliographic data including patent applicant and inventor, and legal representative information, patent, application and priority application data, IPC, CPC and EPC classification codes, abstract, and full text of description and claims.</li><li>Numeric values of over 30 physical and chemical properties in almost 400 unit variants are searchable in all full text fields.</li><li>Full 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.</li><li>Database records comprise all documents published for one application.</li><li>Clipped images (mostly front-page images) are also included, when available.</li><li>Legal status data, family and citation display formats from the INPADOCDB database are available.</li></ul> |
|---|---|
| **File Size** | <ul><li>More than 1.65 million family records with more than 2.06 million publications (07/2020)</li><li>More than 626,082 front page images from 1917 to present (07/2020)</li></ul> |
| **Coverage** | 1900 present, first document from 1917 |
| **Updates** | Weekly |
| **Language** | English |
| **Database Producer** | LexisNexis Univentio BV<br>Galileiweg 8<br>2333 BD Leiden<br>The Netherlands<br>Phone: (+31) 88-6390000<br>Email: customersupport@univentio.com<br>Copyright Holder |

| | |
|---|---|
| **Database Supplier** | FIZ Karlsruhe<br>STN Europe<br>P.O. Box 2465<br>76012 Karlsruhe<br>Germany<br>Phone: +49-7247-808-555<br>Fax:     +49-7247-808-259<br>Email: helpdesk@fiz-karlsruhe.de |
| **Sources** | Patent applications and granted patents published by the Australian Patent Office |
| **User Aids** | • Online Helps (HELP DIRECTORY lists all help messages available)<br>• STNGUIDE |
| **Clusters** | • AEROTECH<br>• ALLBIB<br>• AUTHORS<br>• CORPSOURCE<br>• ENGINEERING<br>• FULLTEXT<br>• HPATENTS<br>• PATENTS<br>• PNTTEXT<br>STN Database Cluster information:<br>http://www.stn-international.de/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features |

# 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) AUA1/PK limits the search to Australian applications AUA1.

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 (TI), abstract (AB), detailed description (DETD), claims (CLM), and main claims (MCLM) fields) | None or /BI | S TRANSISTOR AND ELECTRODE S ACOUSTIC SENSOR S ?TRANSFER? | TI, AB, DETD, CLM, MCLM |
| Abstract* | /AB | S BOREHOLE/AB | AB |
| Accession Number | /AN | S 2010006109/AN | AN |
| Application Country (WIPO code and text) | /AC | S AU/AC | AI |
| Application Date **(1)** | /AD | S AD=JAN 2003 | AI |
| Agent | /AG | S PATENT ATTORNEY SERVICES/AG | AG |
| Agent Country (WIPO code and text | /AG.CNY | S AU/AG.CNY | AG, AG.CNY |
| Agent Address | /AGA | S 26 ELLINGWORTH PARADE, BOX HILL/AGA | AG |
| Agent, Total | /AG.T | S CHRYSILIOU IP, MELBOURNE/AG.T | AG |
| Application Number **(2)** | /AP (or /APPS) | S AU 2010-202547 /AP S 2010AU-202547/APPS | AI |
| Application Year **(1)** | /AY | S AY>=2000 | AI |
| Claims* | /CLM | S DERIVATION/CLM | CLM |
| Cooperative Patent Classification | /CPC | S C12N0009/CPC | CPC |
| Cooperative Patent Classification, Action Date | /CPC.ACD | S 20121113/CPC.ACD | CPC.TAB |
| Cooperative Patent Classification, Keywords | /CPC.KW | S C12N0009/CPC(S)I/CPC.KW | CPC.TAB |
| Cooperative Patent Classification, Version | /CPC.VER | S 20130101/CPC.VER | CPC.TAB |
| Data Entry Date **(1)** | /DED | S 20110124/DED | DED |
| Data Update Date **(1)** | /DUPD | S 20110106/DUPD | DUPD |
| Document Type (code and text) | /DT (or /TC) | S P/DT S PATENT/DT | DT |
| Entry Date **(1)** | /ED | S ED=JULY 2011 | ED |
| Entry Date of Fulltext **(1)** | /EDTX | S 20110705/EDTX | EDTX |
| EPC, Keyword Terms | /EPC.KW | S D2/EPC.KW | EPC |
| European Patent Classification **(3)** | /EPC (or /ECLA) | S A01B0001-02B/EPC | EPC |
| Field Availability | /FA | S AB/FA | FA |
| Graphic Image Size **(1)** | /GIS | S L1 AND 700-800/GIS | GIS |
| ICO (in-computer-only) Classification **(3)** | /ICO | S L29C0065:18/ICO | ICO |
| ICO Keyword Terms | /ICO.KW | S A4/ICO.KW | ICO |
| IdT (Indeling der Techniek) | /IDT | S B21K0001-56/IDT | IDT |
| International Patent Classification (ICM, ICS, IPCI, IPCR) **(3)** | /IPC | S A01B001/IPC | ICM, ICS, IPCI, IPCR |
| International Patent Classification (ICM, ICS) | /IC | S A24B/IC | IC, ICM, ICS |
| Inventor | /IN (or /AU) | S MANDEL W MICKLEY/IN S MANDEL?/IN | IN |
| Inventor, Country (WIPO code and text) | /IN.CNY | S AU/IN.CNY | IN, IN.CNY |
| IPC, Action Date **(1)** | /IPC.ACD | S 20051008/IPC.ACD | IPC.TAB |
| IPC, Initial | /IPCI | S B21B0001/IPCI | IPCI |
| IPC, Keyword Terms | /IPC.KW | S INITIAL/IPC.KW | IPC.TAB |
| IPC, Main | /ICM | S A01N001/ICM | ICM |
| IPC, Reclassified | /IPCR | S B21B0001/IPCR | IPCR |
| IPC, Reform | /IPC.REF | S A01B0001-04/IPC.REF | IPC.TAB |
| IPC, Secondary | /ICS | S A01B001-16/ICS | ICS |
| IPC, Version | /IPC.VER | S 7/IPC.VER | IPC.TAB |

## General Search Fields (cont'd)

| Search Field Name | Search Code | Search Examples | Display Codes |
|---|---|---|---|
| Key Terms **(6)** | /KT | S "GLUCOSE AND GALACTOSE ABSORPTION"/KT | KT |
| Language (code and text) | /LA | S EN/LA | LA |
| Language, Filing (code and text) | /LAF | S ENGLISH/LAF | LAF |
| Main Claim* | /MCLM | S ?FRACTURE?/MCLM | 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 Applicant/Patentee **(5)** | /PA (or /CS) | S BASF AG/PA | PA |
| Patent Country (WIPO code and text) | /PC | S AU/PC | PI |
| Patent Information Publication Type | /PIT | S "AUA OPEN TO PUBLIC INSPECTION"/PIT | PIT |
| Patent Kind Code | /PK | S AUA1/PK | PI |
| Patent Number **(2)** | /PN (or /PATS) | S AU2009201460/PN | PI |
| Patent Number, Original | /PNO | S AU1000101/PNO | PNO |
| Patent Number/Kind Code | /PNK | S AU2009201460B2/PNK | PI |
| Physical Properties | /PHP | S VOLT/PHP (S) TOUCH | KWIC |
| Priority Country (WIPO code and text) | /PRC | SCREEN/BI S AU/PRC S AUSTRALIA/PRC | PRN |
| Priority Date **(1)** | /PRD | S PRD=APRIL, 2 2003 S 20030402/PRD | PRN |
| Priority Date, First **(1)** | /PRDF | S 20000109/PRDF | PRN |
| Priority Number Kind Code | /PRK | S DEA/PRK | PRN |
| Priority Number (2) | /PRN | S DE2000-10001516/PRN | PRN |
| Priority Number, Original | /PRNO | S US03529404/PRNO | PRNO, PRAO |
| Priority Year **(1)** | /PRY | S 1993/PRY | PRN |
| Priority Year, First **(1)** | /PRYF | S 1993-1994/PRYF | PRN |
| Publication Date **(1)** | /PD | S PD=JAN-FEB 2003 | PI |
| Publication Year **(1)** | /PY | S PY>2003 AND L1 | PI |
| Related Patent Country | /RLC | S WO/RLC | RLI |
| Related Application Number | /RLN | S WO1995-FR1391/RLN | RLI |
| Related Application Date **(1)** | /RLD | S 20000109/RLD | RLI |
| Related Application Year **(1)** | /RLY | S 2005/RLY | RLI |
| Title * | /TI | S FLUID###/TI | TI |
| Update Date **(1)** | /UP | S UP=JULY 2011 | 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)** Only valid for IPC version 1–7.
**(5)** **Search with implied (S) proximity is available in this field.**
**(6)** **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 | S 2010AU-202547/APPS | AI, PRAI, APPS |

# Property Fields [1)]

In AUPATFULL a numeric search for a specific set of physical properties (/PHP) is available within the full text fields (TI, AB, DETD and CLM). 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 | | Search Examples |
|---|---|---|---|---|
| /AOS | Amount of substance | Mol | | S 10/AOS |
| /BIR | Bit Rate | Bit | (Bit) | S 100000-160000/BIR |
| /BYR | Byte Rate | Byte | (Byte) | S BYR<300000 |
| /CMOL | Molar concentration (Molarity) (Concentration, amount of substance) | mol/l | | S MOLYBD?/BI (S) 2/CMOL |
| /CON | Conductance | S | (Siemens) | S 1E-2/CON |
| /DEG | Degree | Degree | | S (POLARI? (S) ANGLE)/BI (S) 45/DEG |
| /DEN | Density (Mass Density) | Kg/m3 | | S (CELL? (S) RECOMBIN?)/CLM (S) 5E-3-10E-3/DEN |
| /DV | Viscosity, dynamic | Pa s | | S DV>5000 |
| /ENE | Energy | J | (Joule) | S L1 AND 10000/ENE |
| /FOR | Force | N | (Newton) | S 50 N/FOR |
| /FRE | Frequency | Hz | (Hertz) | S ANALY?/CLM (10A) 0-3/FRE |
| /KV | Viscosity, kinematic | m2/s | | S LUBRICANT/BI (S) 10E-5/KV |
| /LUME | Luminous Emittance/Illuminance | Lux | | S 10-50/LUME |
| /LUMF | Luminous Flux (Luminous Power) | Lumen | | S L74 (S) LUMF>70 |
| /LUMI | Luminous Intensity | Candela | | S 5<LUMI<15 |
| /M | Mass | Kg | (Kilogram) | S ALLOY/BI (30A) 1E-10-1E-5/M |
| /MFL | Mass Flow (Mass Transfer) | Kg/s | | S INJECT? (S) 3-10/MFL |
| /MFS | Magnetic Field Strength (Magnetic Flux Density) | Tesla | | S MAGNET?/BI (10W) 5<MFS<7 |
| /MW | Molar Mass | g/mol | | S 2000-3000 G/MOL/MW |
| /PER | Percent (Proportionality) | Percent | | S (TITAN? (3A) DIOXID?)/CLM (S) 5/PER |
| /PHV | pH | pH | | S 7.4-7.6/PHV |
| /POW | Power | W | (Watt) | S (SOLAR? OR PHOTOVOLTAIC?)/BI (10A) 5-10/POW |
| /PRES (or /P) | Pressure | Pa | (Pascal) | S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES |
| /RAD | Radioactivity | Bq | (Becquerel) | S AZA?/BI (P) 10-100/RAD |
| /RES | Electrical Impedance/resistance | Ohm | | S CERAMIC/CLM (P) 1-8/RES |
| /SAR | Area /Surface Area | m2 | | S (COATING? OR FOIL?)/BI (S) 10-100/SAR |
| /SCO | Spring Constant | N/m | | S (ALUMINUM OR ALUMINIUM)/BI (20A) 10000-50000/SCO |
| /SIZ | Size | m | (Metre) | S ?CARBON?/CLM (S) 3E-9/SIZ |
| /ST | Surface Tension | J/m2 | | S 60 J/M**2 /ST |
| /TEMP (or /T) | Temperature | K | (Kelvin) | S (REACTION? (25A) PHOSPHAT?) (S) 10/TEMP |
| /TIM | Time | S | (Second) | S ?INCUB?/CLM (10W) 10-50/TIM |
| /VEL (or /V) | Velocity | m/s | (Metre per Second) | S PUMP?/BI (S) 1E-3-5E-3/VEL |
| /VELA | Velocity, angular | rpm | | S ANG?/CLM (S) VELA>10 |
| /VOL | Volume | m3 | | S ?FUSION?/BI (15A) 1E-8-2E-8 /VOL |
| /VOLT | Voltage | V | (Volt) | S CALIBRAT?/BI(10A) 5E-3<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) and 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 (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 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. The default display format is STD.M, i.e., all publication levels of one family in the STN format.

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 |
| AG | Agent | D AG |
| AI (AP) **(1)** | Application Information | D AI |
| AN | Accession Number | D L3 AN |
| CLM **(3)** | Claims | D CLM |
| CLMN **(2,3)** | 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 **(2,3)** | 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 |
| DED | Data Entry Date | D DED |
| DUPD | Data Update Date | D DUPD |
| 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 |
| IC | IPC (format contains ICM, ICS) | D IC |
| ICM | IPC, Main | D IC |
| ICO | 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 |
| IPCI | IPC, Initial | D IPCI |
| IPCR | IPC, Reclassified | D IPCR |
| LA | Language | D LA |
| LAF | Language of Filing | D LAF |
| MCLM | Main Claim | D MCLM |
| PA (CS) | Patent Applicant/Patentee | D PA |
| PI (PNK, PATS) **(1)** | Patent Information | D PI |
| PIT | Patent Information Publication Type | D PIT |
| PRN (PRAI) **(1,5)** | Priority Information | D PRN |
| PRNO (PRAO) **(2)** | Priority Number, Original Format | D PRNO |
| PRYF | Priority Year, First | D PRYF |
| RLI (RLN) | Related Paten Information | D RLI |
| TI | Title | D TI |
| UP | Update Date | D UP |

## DISPLAY and PRINT Formats (cont'd)

| Format | Content | Examples |
|---|---|---|
| ALL **(1,3)** | AN, ED, EDTX, UP, DED, DUPD, TI , IN, IN.CNY, PA, AG, LAF, LA, DT, PIT, PI, AI, RLI, PRAI, IPC, CPC, EPC, ICO, IDT, AB, DETD, CLM, KT | D ALL |
| ALLG **(1)** | ALL, plus graphic image | D ALLG |
| DALL **(1)** | ALL, delimited for post processing | D DALL |
| IALL **(1,3)** | ALL, indented with text labels | D IALL |
| IALLG **(1)** | IALL, plus graphic image | D IALLG |
| APPS **(1,3)** | AI, RLN, PRAI | D APPS |
| BIB **(1,3)** | AN, ED, EDTX, UP, DED, DUPD, TI , IN, IN.CNY, PA, AG, LAF, LA, DT, PIT, PI, AI, RLI, PRAI, IPC, CPC, EPC, ICO, IDT | D BIB |
| BIBG **(1)** | BIB, plus graphic image | D BIBG |
| IBIB **(1,3)** | BIB, indented with text labels | D IBIB |
| IBIBG **(1)** | IBIB, plus graphic image | D IBIBG |
| BRIEF **(1,3)** | AN, ED, EDTX, UP, DED, DUPD, TI , IN, IN.CNY, PA, AG, LAF, LA, DT, PIT, PI, AI, RLI, PRAI, IPC, EPC, ICO, IDT, AB, MCLM, KT | D BRIEF |
| 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 |
| FAM **(1)** | AN, table of patent family information (from INPADOCDB) | D FAM |
| CFAM **(1)** | AN, Condensed family format (from INPADOCDB) | D CFAM |
| CPC.TAB | CPC, CPC.KW, CPC.ACD, CPC.VER in tabular format | D CPC.TAB |
| IND | ED, IPC (ICM, ICS, IPCI, IPCR), CPC, EPC, ICO, IDT | D IND |
| IPC | International Patent Classification (ICM, ICS, IPCI, IPCR) | D IPC |
| IPC.TAB | IPC, IPC.KW, IPC.ACD, IPC.VER, in tabular version | D IPC.TAB |
| LS | Legal Status (from INPADOCDB) | D LS |
| LS2 | Legal Status (from NPADOCDB), detailed version with display headers | D LS2 |
| MAX (ALL.M) **(1)** | AN, ED, EDTX, UP, DED, DUPD, TI , IN, IN.CNY, PA, AG, LAF, LA, DT, PIT, PI, AI, RLI, PRAI, IPC, CPC, EPC, ICO, IDT, AB, DETD, CLM, 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 |
| RE | Citations (from INPADOCDB) | D RE |
| SCAN **(4)** | TI (random display without answer numbers) | D SCAN |
| STD **(1,6)** | AN, ED, EDTX, UP, DED, DUPD, TI , IN, IN.CNY, PA, AG, LAF, LA, DT, PIT, PI, AI, RLN, PRAI, IPC, CPC, EPC, ICO, IDT | D STD |
| STDG **(1)** | STD, plus graphic image | D STDG |
| ISTD **(1,3)** | STD, indented with text labels | D ISTD |
| ISTDG **(1)** | ISTD, plus graphic image | D ISTDG |
| TRIAL (TRI, SAM, SAMPLE, FREE) | ED, EDTX, UP, DED, DUPD, TI, FA, DETN, CLMN | D TRIAL |
| TX **(3)** | DETD, CLM | D TX |
| 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)** 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. 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 taken from the application information of this document and marked with an asterisk (*).
**(6)** The default display format is STD.M, i.e., all publication levels of one family in the STD format.

# 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 | Y | N |
| Agent | AG | Y | Y |
| Accession Number | AN | Y | Y |
| Application Country | AC | Y | N |
| Application Date | AD | Y | N |
| Application Information | AI (AP, APPS) | Y **(2)** | N |
| Application Year | AY | Y | N |
| Claims | CLM | Y | N |
| CPC Classification | CPC | Y | Y |
| Detailed Description | DETD | Y **(3)** | N |
| Document Type | DT | Y | Y |
| Entry Date | ED | Y | Y |
| Entry Date Full Text | EDTX | Y | N |
| European Patent Classification | EPC | Y | N |
| Field Availability | FA | Y | N |
| Graphic Image Size | GIS | Y | N |
| Graphic Image Type | GIT | Y | Y |
| International Patent Classification | IC | Y | N |
| Inventor | IN (AU) | Y | Y |
| Inventor, Country | IN.CNY | 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, Advanced Level Symbols | IPC.A | Y **(4)** | N |
| IPC, Advanced Level Symbols for Invention | IPC.AI | Y **(4)** | N |
| IPC, Initial | IPCI | Y | Y |
| IPC, Main | ICM | Y | Y |
| IPC, Reclassified | IPCR | Y | Y |
| IPC, Reform | IPC.REF | Y | N |
| IPC, Secondary | ICS | Y | Y |
| Key Terms | KT | Y | N |
| Language | LA | Y | Y |
| Language of Filing | LAF | Y | Y |
| Main Claim | MCLM | Y | N |
| Number of Claims | CLMN | Y | N |
| Number of Paragraphs in DETD | DETN | Y | N |
| Occurrence Count of Hit Terms | OCC | N | Y |
| Patent Applicant/Patentee | PA (CS) | Y | Y |
| Patent Country | PC | 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 | N |
| Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006-present | IPC.F | Y **(4)** | N |

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

| Field Name | Field Code | ANALYZE/ SELECT (1) | SORT |
|---|---|---|---|
| Priority Country | PRC | Y | Y |
| Priority Date | PRD | Y | Y |
| Priority Date, First | PRDF | Y | Y |
| Priority Number Kind Code | PRK | 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 Patent Country | RLC | Y | Y |
| Related Application Number | RLN | Y | Y |
| Related Application Date | RLD | Y | Y |
| Related Application Year | RLY | Y | Y |
| Title | TI | 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 MAXG (STN format)

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L13    ANSWER 3 OF 135 AUPATFULL COPYRIGHT 2011 LNU on STN.

AN     2009001486   AUPATFULL  ED 20110629 UP 20110629 EDTX 20110629
       DED 20091027 DUPD 20110401
TI     Method for producing ethanol from steam exploded sweet potato by
       fermentation
IN     HONGZHANG CHEN; XIAOGUO FU; WEIDONG WANG
PA     INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMYOF SCIENCES; HU NAN
       QIANGSHENG MEDICINE CO. LTD.
LAF    English
DT     Patent; (Fulltext)
PIT    AUA1 OPEN TO PUBLIC INSPECTION [FROM 20010524 ONWARDS]
PI     AU 2009201220      A1   20091015
AI     AU 2009-201220          20090327
PRAI   CN 2008-10102979     A  20080328
       CN 2008-10102980     A  20080328
IPCI   C12P0007-10 [I,A]
EPC    C12P0007-06; C12P0007-10; C12P0019-14
ICO    Y02E0050-16; Y02E0050-17

AB
       A method for producing ethanol from steam-exploded sweet potato by
       fermentation includes subjecting sweet potato to a steam explosion
       treatment, subjecting the sweet potato after the steam explosion to
       saccharification and fermentation, and collecting ethanol produced by the
       fermentation. The sweet potato can optionally be subjected to a
       pre-treatment utilizing a short-time, low-pressure steam explosion
       technology, which omits the long-time cooking process for the
       starch-based raw material and reduces the energy consumption for
       …

DETD
       METHOD FOR PRODUCING ETHANOL FROM STEAM EXPLODED SWEET POTATO BY
       FERMENTATION OurRef: 851019 POF Code: 299774/491920, 491921 The following
       statement is a full description of this invention, including the best
       method of performing it known to applicant(s): gcoeq F1090014 (- riU7UUlH
       Method for Producing Ethanol from Steam Exploded Sweet Potato by
       Fermentation  This application claims priority from Chinese Application
       No.200810102979.8 filed on 28  March 2008; and from Chinese Application
       No.200810102980.0 filed on 28 March 2008; the ( contents of which are to
       be taken as incorporated herein by this reference. CN FIELD OF THE
       INVENTION The present invention relates to a method for producing
       ethanol, and particularly, a O (N method for producing ethanol from steam
       exploded sweet potato by fermentation. <N (N BACKGROUND With the rapid
       development of the human society, the energy source and resource crisis
       …

CLM
       (S| Claims d 1 A method for producing ethanol from steam exploded sweet
       potato by fermentation,  including the steps of: (N 1) subjecting sweet
       potato to a steam explosion treatment;

       2) subjecting the sweet potato after the steam explosion to
       saccharification and O (N fermentation; and <N

       3) collecting ethanol produced by the fermentation.  2 The method
       according to claim 1, wherein the steam explosion treatment is
       performed in a steam explosion tank under a steam pressure of 0.5-0.8 MPa
       for 2-4 min.

       3. The method according to claim 1, wherein, in the step 2), the
       solid-state fermentation is carried out after the saccharification of the
       steam exploded sweet potato.
        …
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AN      2009001486  AUPATFULL  ED 20110629 UP 20110629 EDTX 20110629
        DED 20101129 DUPD 20110401
TI      Method for producing ethanol from steam exploded sweet potato by
        fermentation
IN      HONGZHANG CHEN; XIAOGUO FU; WEIDONG WANG
PA      INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMYOF SCIENCES; HU NAN
        QIANGSHENG MEDICINE CO. LTD.
LAF     English
DT      Patent; (Fulltext)
PIT     AUB2 PATENT PRECEEDED BY A1 or PATENT PROCEEDED BY OPI [FROM 20010524
        ONWARDS]
PI      AU 2009201220      B2   20101125
AI      AU 2009-201220          20090327
PRAI    CN 2008-10102979    A 20080328
        CN 2008-10102980    A 20080328
IPCI    C12P0007-10 [I,A]
EPC     C12P0007-06; C12P0007-10; C12P0019-14
ICO     Y02E0050-16; Y02E0050-17
```

AB

A method for producing ethanol from steam-exploded sweet potato by
fermentation includes subjecting sweet potato to a steam explosion
treatment, subjecting the sweet potato after the steam explosion to
saccharification and fermentation, and collecting ethanol produced by the
fermentation. The sweet potato can optionally be subjected to a
pre-treatment utilizing a short-time, low-pressure steam explosion
technology, which omits the long-time cooking process for the
starch-based raw material and reduces the energy consumption for
…

DETD

METHOD FOR PRODUCING ETHANOL FROM STEAM EXPLODED SWEET POTATO BY
FERMENTATION Our Ref : 851019 POF Code: 299774/491920, 491921 The
following statement is a full description of this invention, including
the best method of performing it known to applicant(s):
Method for Producing Ethanol from Steam Exploded Sweet Potato by
Fermentation FIELD OF THE INVENTION The present invention relates to a
method for producing ethanol, and particularly, a method for producing
ethanol from steam exploded sweet potato by fermentation. BACKGROUND
…

CLM

1. A method of producing ethanol from steam exploded sweet potato by
fermentation, including the steps of:

1) subjecting sweet potato to a steam explosion treatment; wherein the
steam explosion treatment is performed in a steam explosion tank under a
steam pressure of 0.50.8 MPa for 2-4 rain;

2) subjecting the sweet potato after the steam explosion to
saccharification and fermentation; and

3) collecting ethanol produced by the fermentation.

2. The method according to claim 1, wherein, in the step 2), the
solid-state fermentation is carried out after the saccharification of the
steam exploded sweet potato.

3. The method according to claim 2, wherein an glucoamylase is added in
an amount of 100-150 U glucoamylase/g dry steam exploded sweet potato,
and the saccharification is performed at 55-60.degree.Cfor 20-60 rain;
and then, $(NH_4)_2 SO_4$ , K-H2 PO4 and activated yeast are added, and the
fermentation is performed for 48-60 h under a condition of
30-35.degree.C, wherein, the addition amount of $(NH_4)_2 SO_4$ is 0.1-0.15 g
$(NHa)2 SO4 /]00$ g sweet potato, the addition amount of KH2 PO4 is 0.1-0.2
g KHzPO4 /100 g sweet potato, and the addition amount of said yeast is
0.10-0.30 g yeast/100 g sweet potato.

…

AN    2009001486  AUPATFULL  ED 20110629 UP 20110629 EDTX 20110629
      DED 20110124 DUPD 20110401
TI    Method for producing ethanol from steam exploded sweet potato by
      fermentation
IN    HONGZHANG CHEN; XIAOGUO FU; WEIDONG WANG
PA    INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMYOF SCIENCES; HU NAN
      QIANGSHENG MEDICINE CO. LTD.
LAF   English
DT    Patent; (Fulltext)
PIT   AUB8 CORRECTED FIRST PAGE OF GRANTED DOC. [FROM 20010524 ONWARDS]
PI    AU 2009201220      B8   20110120
AI    AU 2009-201220          20090327
PRAI  CN 2008-10102979    A 20080328
      CN 2008-10102980    A 20080328
IPCI  C12P0007-10 [I,A]
EPC   C12P0007-06; C12P0007-10; C12P0019-14
ICO   Y02E0050-16; Y02E0050-17

AB

      A method for producing ethanol from steam-exploded sweet potato by
      fermentation includes subjecting sweet potato to a steam explosion
      treatment, subjecting the sweet potato after the steam explosion to
      saccharification and fermentation, and collecting ethanol produced by the
      fermentation. The sweet potato can optionally be subjected to a
      pre-treatment utilizing a short-time, low-pressure steam explosion
      technology, which omits the long-time cooking process for the
      starch-based raw material and reduces the energy consumption for
      …

DETD

      METHOD FOR PRODUCING ETHANOL FROM STEAM EXPLODED SWEET POTATO BY
      FERMENTATION Our Ref : 851019 POF Code: 299774/491920, 491921 The
      following statement is a full description of this invention, including
      the best method performing it known to applicant(s): Method for Producing
      Ethanol from Steam Exploded Sweet Potato by Fermentation FIELD OF THE
      INVENTION The present invention relates to a method for producing
      …

 CLM

      1. A method of producing ethanol from steam exploded sweet potato by
      fermentation, including the steps of:

      1) subjecting sweet potato to a steam explosion treatment; wherein the
      steam explosion treatment is performed in a steam explosion tank under a
      steam pressure of 0.50.8 MPa for 2-4 rain;

      2) subjecting the sweet potato after the steam explosion to
      saccharification and fermentation; and

      3) collecting ethanol produced by the fermentation.

      2. The method according to claim 1, wherein, in the step 2), the
      solid-state fermentation is carried out after the saccharification of the
      steam exploded sweet potato.

      3. The method according to claim 2, wherein an glucoamylase is added in
      an amount of 100-150 U glucoamylase/g dry steam exploded sweet potato,
      and the saccharification is performed at 55-60.degree.Cfor 20-60 min; and
      then, (NH 4 ) 2 SO 4 , K-H 2 PO 4 and activated yeast are  added, and the
      fermentation is performed for 48-60 h under a condition of
      30-35.degree.C, wherein, the addition amount of 0NIH 4 ) 2 50 4 is
      0.1-0.15 g (NH 4 ) 2 SO 4 /100 g sweet potato, the addition amount of KH
      2 PO 4 is 0.1-0.2 g KH 2 PO 4 /100 g sweet potato, and the addition
      amount of said yeast is 0.10-0.30 g yeast/100 g sweet potato.
      …

**DISPLAY BRIEF**

```
AN      2006008329   AUPATFULL  ED 20110630 UP 20120130
        DED 20071221 DUPD 20120127
TI      Pyrolysis method and apparatus
IN      Dam-Johansen, Kim; Jensen, Peter A.; Bech, Niels
PA      DANMARKS TEKNISKE UNIVERSITET;
AG      FB Rice & Co, Level 23 44 Market Street, Sydney, NSW, 2000
LAF     English
LA      English
DT      Patent
PIT     AUA1 OPEN TO PUBLIC INSPECTION [FROM 20010524 ONWARDS]
PI      AU 2006243568          A1   20061109
AI      AU 2006-243568               20060503
RLN     WO 2006-DK241                20060503
PRAI    US 2005-676959P              20050503
        EP 2005-76034                20050503
ICM     C10B053-02
ICS     C10B047-22; C10C005-00
IPCI    C10B0053-02 [I,A]; C10B0047-22 [I,A]; C10C0005-00 [I,A]
EPC     C10B0047-22; C10B0053-02; C10C0005-00
ICO     Y02E0050-14
```

AB

> A method for collecting biomass, such as straw, and for producing a
> pyrolysis liquid, such as oil or tar, from the biomass, comprises the
> step of collecting the biomass from a growth site, e.g. a field, by means
> of a mobile unit. The biomass is continuously fed into a pyrolysis
> apparatus (200) accommodated by the mobile unit, as the mobile unit is
> moved across the growth site. While the biomass is processed in the
> pyrolysis apparatus, further biomass is simultaneously being collected.
> …

```
AN      2006008329   AUPATFULL  ED 20110630 UP 20120130 EDTX 20110630
        DED 20080111 DUPD 20120127
TI      Pyrolysis method and apparatus
IN      Dam-Johansen, Kim; Jensen, Peter A.; Bech, Niels
PA      DANMARKS TEKNISKE UNIVERSITET;
AG      FB Rice & Co, Level 23 44 Market Street, Sydney, NSW, 2000
LAF     English
LA      English
DT      Patent; (Fulltext)
PIT     AUA2 AMENDED POST OPEN TO PUBL. INSPEC. [FROM 20010524 ONWARDS]
PI      AU 2006243568          A2   20061109
AI      AU 2006-243568               20060503
RLN     WO 2006-DK241                20060503
PRAI    US 2005-676959P              20050503
        EP 2005-76034                20050503
ICM     C10B053-02
ICS     C10B047-22; C10C005-00
IPCI    C10B0053-02 [I,A]; C10B0047-22 [I,A]; C10C0005-00 [I,A]
EPC     C10B0047-22; C10B0053-02; C10C0005-00
ICO     Y02E0050-14
```

AB

> A method for collecting biomass, such as straw, and for producing a
> pyrolysis liquid, such as oil or tar, from the biomass, comprises the
> step of collecting the biomass from a growth site, e.g. a field, by means
> of a mobile unit. The biomass is continuously fed into a pyrolysis
> apparatus (200) accommodated by the mobile unit, as the mobile unit is
> moved across the growth site. While the biomass is processed in the
> pyrolysis apparatus, further biomass is simultaneously being collected.
> …

MCLM

> 1. A method for producing pyrolysis liquid from biomass, comprising the
> step of decomposing the biomass into pyrolysis liquid, char and pyrolysis
> gas in a fast pyrolysis process, the method comprising the steps of: -

feeding the biomass into a centrifuge chamber; - rotating a rotor to
impart rotation on biomass distributed In gas volume in the centrifuge
chamber, whereby the biomass is forced towards an outer wall of the
centrifuge chamber by centrifugal forces; - decomposing the biomass into
pyrolysis vapors and char by maintaining said outer wall at a temperature
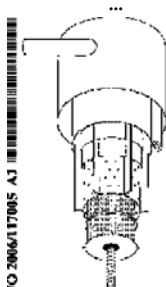of 350 - 700 degrees Celsius to effect the pyrolysis process at or near

```
AN      2006008329   AUPATFULL   ED 20120130 UP 20120130 EDTX 20110630
        DED 20110919 DUPD 20120127
TI      Pyrolysis method and apparatus
IN      Dam-Johansen, Kim; Jensen, Peter A.; Bech, Niels
PA      Danmarks Tekniske Universitet
AG      FB Rice, Level 23 44 Market Street, Sydney, AU
LAF     English
LA      English
DT      Patent; (Fulltext)
PIT     AUB2 PATENT PRECEEDED BY A1 or PATENT PROCEEDED BY OPI [FROM 20010524
        ONWARDS]
PI      AU 2006243568        B2   20110915
AI      AU 2006-243568             20060503
RLN     WO 2006-DK241              20060503
PRAI    US 2005-676959P            20050503
        EP 2005-76034              20050503
IPCI    C10B0053-02 [I,A]; C10B0047-22 [I,A]; C10C0005-00 [I,A]
EPC     C10B0047-22; C10B0053-02; C10C0005-00
ICO     Y02E0050-14
```

AB

A fast pyrolysis apparatus (200) for producing pyrolysis liquid, such as
oil or tar, char and pyrolysis gas from biomass, such as straw, comprises
a centrifuge chamber (204) and a rotor (210) arranged to impart rotation
on the biomass in the centrifuge chamber to force the biomass outwardly
under the action of centrifugal forces. A furnace (206) arranged
coaxially around the centrifuge chamber (204) maintains the temperature
at an outer reactive wall of the centrifuge chamber at an elevated    …

MCLM

1. A method for producing pyrolysis liquid from biomass, comprising the
step of decomposing the biomass into pyrolysis liquid, char and pyrolysis
gas in a fast pyrolysis process, the method comprising the steps of: -
feeding the biomass into a centrifuge chamber; - rotating a rotor to
impart rotation on biomass distributed in gas volume in the centrifuge
chamber, whereby the biomass is forced towards an outer wall of the