What’s new from STN-K?

Ursula Klemm – FIZ Karlsruhe
STN User Meeting Milan – November 12th, 2013
Agenda

- Implementation of CPC on STN
- Derwent World Patents Index® (DWPI\textsuperscript{SM})
- INPADOC files (INPAFAMDB/INPADOCDB)
- New patent databases INFULL and JPFULL
- PCTFULL backfile enhancements
- Enhancements to USGENE®
- Other recent database enhancements
- Resources for searchers
Implementation of CPC on STN

• The Cooperative Patent Classification (CPC) is a new scheme developed by the EPO and USPTO
  – IPC-based with about 250,000 subdivisions

• Search and display of CPC is analogous to the implementation of IPC on STN

• An STN CPC thesaurus feature is available
  – Similar to the IPC and ECLA thesauri
  – Allows for simple hierarchical searching, e.g.
    => S H01L0021-027+NT/CPC

Implementation of CPC on STN (cont.)

- **/CPC** – the search and display field for all codes
  - Including Original and Reclassification codes
- **/CPC.KW** – the search field for CPC attributes
  - Classification value (I,A), classification status (O,R), source of classification (H,M,G), generating office
  - Use the CPC.TAB format to display CPC attributes
- For specific CPC searches CPC codes and attributes can be linked with (S)-proximity*
  - E.g. => S A61K0047-48384 /CPC (S) I /CPC.KW

* In CAplus use (T)-proximity.
Searching CPC on STN

- CPC search in **STN-standard format.**
  - $\Rightarrow$ S A61K0047-48384/CPC

- CPC search at **main group level.**
  - $\Rightarrow$ S A61K0047/CPC

- CPC search at **subclass level.**
  - $\Rightarrow$ S A61K/CPC

- CPC search + **attributes***
  - $\Rightarrow$ S A61K0047-48384/CPC(S)I/CPC.KW

- CPC search with all **narrower terms.**
  - $\Rightarrow$ S A61K0047-48369+NT/CPC

* In CAplus use (T)-proximity.
A combination of an anti-CD19 maytansinoid immunoconjugate and rituximab is used for treating CD19+ CD20+ B-cell malignancies, in particular Non-Hodgkin’s lymphoma.

The CPC display field is included in standard display formats, e.g. BRIEF.

Note: ECLA and ICO have been mapped to corresponding CPC codes, and the CPC codes then added to the entire INPAFAMDB backfile.
Displaying CPC on STN (cont.)

The CPC.TAB display provides a tabulated view of CPC attributes.

<table>
<thead>
<tr>
<th>CPC CODE</th>
<th>VERSION</th>
<th>POS</th>
<th>INV</th>
<th>CC</th>
<th>ASSIGNMENT</th>
<th>DATE</th>
<th>STAT</th>
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<td>O</td>
</tr>
</tbody>
</table>
The CPC thesaurus on STN

- Hierarchies of terms may be reviewed using EXPAND with a term followed by a plus symbol (+), a Relationship Code, and the appropriate field, i.e. /CPC
  - E.g. => E A61K0009-00+ALL /CPC

- Searches may be extended to incorporate Narrower, Broader, Related, or other terms, using SEARCH with a term followed by a plus symbol (+), a Relationship Code, and the appropriate field, i.e. /CPC
  - E.g. => S A61K0009-7023+NT/CPC (10 TERMS)

Tip: to learn more about the Relationship codes available for a particular Thesaurus type HELP RCODE at the STN prompt (=>).
### Example: CPC thesaurus (A61K0009-00)

**=> E A61K0009-00+ALL/CPC**

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
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<td>A/CPC HUMAN NECESSITIES(2)</td>
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<tr>
<td>E2</td>
<td>0</td>
<td>A61-/CPC Health; amusement(2)</td>
</tr>
<tr>
<td>E3</td>
<td>0</td>
<td>A61/CPC MEDICAL OR VETERINARY SCIENCE; HYGIENE(2013-01-01)</td>
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<tr>
<td>E4</td>
<td>309271</td>
<td>A61K/CPC PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES</td>
</tr>
<tr>
<td>E5</td>
<td>5611</td>
<td>A61K0006/CPC</td>
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<tr>
<td>E6</td>
<td>361</td>
<td>A61K0009-00/CPC Medicinal preparations characterised by special physical form reference:</td>
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<td>E175</td>
<td>834</td>
<td>A61K0009-7023/CPC CPC-specific-text: Transdermal patches and similar drug-containing composite devices, e.g. cataplasms reference: galenical aspects</td>
</tr>
<tr>
<td>E184</td>
<td>180</td>
<td>A61K0009-7092/CPC CPC-specific-text: Transdermal patches having multiple drug layers or reservoirs, e.g. for obtaining a specific release pattern, or for combining different drugs (2013-01-01)</td>
</tr>
</tbody>
</table>

**=> S A61K0009-7023+NT/CPC**

**L1 2983 A61K0009-7023+NT/CPC** (10 TERMS)

**Review CPC Thesaurus (/CPC) hierarchies and definitions, e.g. using the +ALL Relationship Code.**

**Codes unique to CPC are identified and the version is given in parentheses.**

**Use +NT to search a chosen CPC, and all its narrower terms in one step.**
## Availability of CPC in STN patent files

<table>
<thead>
<tr>
<th>Multinational value-add patent files</th>
<th>National patent files</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPADOC files</td>
<td>USPAT files</td>
</tr>
<tr>
<td>CApplus</td>
<td>CANPATFULL</td>
</tr>
<tr>
<td>DWPI files</td>
<td>PCTFULL</td>
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<td>GBFULL</td>
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<td></td>
<td>INFULL</td>
</tr>
</tbody>
</table>

- **CPC for updated and new documents**: ✔
- **CPC for backfile**: ✔

- **Multinational value-add patent files**
  - INPADOC files
  - CApplus
  - DWPI files

- **National patent files**
  - USPAT files
  - CANPATFULL
  - PCTFULL
  - AUPATFULL
  - CNFULL
  - JPFULL
  - FRFULL
  - GBFULL
  - INFULL

- **CPC for updated and new documents**: ✔
- **CPC for backfile**: ✔

  - USPAT files: ✔
  - CANPATFULL: ✔
  - PCTFULL: ✔
  - AUPATFULL: ✔
  - CNFULL: ✔
  - JPFULL: ✔
  - FRFULL: ✔
  - GBFULL: ✔
  - INFULL: ✔

In progress:

- INPADOC files
- CApplus
- DWPI files
- USPAT files
- CANPATFULL
- PCTFULL
- AUPATFULL
- CNFULL
- JPFULL
- FRFULL
- GBFULL
- INFULL
Tip: Use **+NT** (narrower terms) not truncation!

Truncation is **not** recommended as it may miss CPC classes from the hierarchy, for example:

**Search question:** Retrieve **H01L21/027** and all narrower term subgroups – use the CPC thesaurus hierarchy (**+NT**) search.

=> **S H01L21/027+NT/CPC**
   L1  4449 H01L21/027+NT/CPC  (17 TERMS)  
   (H01L0021-027+NT/CPC)

=> **S H01L21/027?/CPC**
   L2  2250 H01L21/027?/CPC  (H01L0021-027?/CPC)
DWPI now covers 50 data sources

• New coverage of Indonesia (ID) from 2010
  – Published applications and Simple Patents

• Enhanced coverage of Malaysia (MY)
  – Granted patent backfile coverage extended to 2005

• Enhanced coverage of Thailand (TH)
  – Registration numbers (THR0/PK) now covered

For further details:
http://www.stn-international.com/newsline012013.html
Cultivating rice plant involves applying effective dose of clothianidin to rice seed with maintained moisture state after immersing and treating seeds in water, and inoculating seeds in paddy field and then flooding field with water.

**AB**

NOVELTY - Rice plant (Oryza sativa) cultivation involves applying effective dose of clothianidin to rice seed with maintained moisture state after immersing and treating seeds in water. The seeds are inoculated in a paddy field and then the field is flooded with water.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method for stimulating budding of rice seed, which involves:

- (A) applying effective dose of clothianidin to rice seed with maintained moisture state after immersing and treating seeds in water; and

- (B) seeding seeds in paddy field with flooding conditions.

USE - Method for cultivating rice plant (Oryza sativa).

ADVANTAGE - The rice plant cultivating method enables to improve germination rate of rice seed.
2013 Manual Code (MC) revision

• The revision reflects changes in technology and customer requests received throughout 2012

• A variety of new codes are now available, e.g.
  – B04-Q01 – antibody-drug conjugates
  – E11-J03 – asymmetric synthesis
  – T03-A06N – energy assisted magnetic recording
  – X23-A15 – passenger safety systems (trains)

Learn more about the Manual Code system revision here:
http://ip-science.thomsonreuters.com/support/patents/dwpiref/reftools/classification/code-revision/
INPADOC calculated expiration dates

- For granted publications of 30 major patent authorities
- Available for 97% of all granted patents since 1980

- More than 400 rules operate behind the scenes
  - Patent laws and patent law changes
  - Determination of earliest effective filing date

Learn more in INPADOC News 2013/01:
http://www.stn-international.com/inpadoc_news_201301.html
Calculated expiration date search & display

• Calculated expiration date is now included in all standard display formats, BIB, ALL, MAX, etc.
  – The custom display field XPD is also available

• Calculated expiration date (/XPD) and year (/XPY) search options are available, e.g.

  => S 20131020/XPD
  => S 20140601-20150601/XPD
  => S XPD>20121001
  => S 2013-2016/XPY

Specific dates or ranges may be searched.
Example: Calculated expiration date search

```plaintext
=> FILE INPADOCDB

=> S C12N0015-79+NT/IPC,CPC AND XPD>20130201
L1  47980 C12N0015-79+NT/IPC,CPC AND XPD>20130201

=> D ALL
L3   ANSWER ... OF 47980    INPADOCDB COPYRIGHT 2013 EPO/FIZ KA on STN
AN   60850048 INPADOCDB ED 20120830 EW 201235 UP 20120830 UW 201235
     . . .
PI   AU 2010200666   B2 20120816 English
PIT  AUB2 PATENT PRECEEDED BY A or PATENT PROCEEDED BY OPI . . .
DAV  20120816 printed-with-grant
STA  GRANTED
AI   AU 2010-200666   A 20100223
AIT  AUA Patent application
PRAI AU 2004-213869   A 20040220 (AUA3, 20100223)
     AU 2010-200666   A 20100223 (AUA, 20100223)
     US 2003-371877   A 20030220 (USA, 20070301, Y)
PRAIT AUA3 Prior application claimed for a division
     USA Patent application
XPD  20240220
IPCI C12N0009-10   [I,A]; C12N0015-79   [I,A]
CPC  C12N0015-1082; C12N0009-1051; C12N0015-79
AB   The present invention relates to eukaryotic host cells having . . . .
```

Expiration date (/XPD) after 1st Feb 2013.

AU 2010200666 B2 is a divisional patent with an effective filing date of 20th Feb 2004.
INPADOC citing patent Information

• Citing patent information (forward citations) are now available for over 19 million applications
• Citing patent number (PN.G), publication date, citing patent assignee, and cited patent number
• Citing patent information is included in several standard display formats, e.g. MAX and IFAM
  – Custom display with CGP is also available
  – Display backward and forward citations with CITN

Learn more in INPADOC News 2013/01:
http://www.stn-international.com/inpadoc_news_201301.html
Example: Citing patent information

| L1 | ANSWER 1 OF 1 | INPADOCDB COPYRIGHT 2013 EPO/FIZ KA on STN |
| AN | 68646768 | INPADOCDB ED 20120412 EW 201215 UP 20121018 UW 201242 |

| PI | US 8151139 | B1 20120403 English |
| PIT | USB1 | GRANTED PATENT AS FIRST PUBLICATION |
| DAV | 20120403 | printed-with-grant |
| STA | GRANTED |
| AI | US 2009-412895 | A 20090327 |
| AIT | USA Patent application |
| PRAI | US 2009-412895 | A 20090327 (USA, 20120412) |
| PRAIT | USA Patent application |
| XPD | 20290327 |

| REP | US 7120823 | B2 20061010 (SEA, pat) IBM, US |
| REP | US 7401255 | B1 20080715 (SEA, pat) SYMANTEC CORP, US |
| REP | US 7594157 | B2 20090922 (SEA, pat) SAMSUNG ELECTRONICS CO LTD, KR |

| CGP | US 20120136832 | A1 20120531 [US8151139B1 (PRS, pat)] |
| CGP | US 20120191656 | A1 20120726 [US8151139B1 (PRS, pat)] |

PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
INPAFAMDB patent family counts

• Family size options for search/select
  – Priority Number Count (/PRCNT)
  – Application Number Count (/ACNT)
  – EPO Simple Family Number Count (/FCNT)

• Display all family counts with FSTAT
  – Also included in standard family displays like BRIEF, CFAM, and FFAM

=> HELP FAMILY

Learn more in INPADOC News 2013/01:
http://www.stn-international.com/inpadoc_news_201301.html
Example: Patent family counts

2 priorities, 8 applications, 9 publications (2 EPO simple families)
INPAFAMDB basic patent search and select options

- New detailed SEARCH and SELECT options for basic patents are now available for INPAFAMDB patent family records

<table>
<thead>
<tr>
<th>Description</th>
<th>Search/Select</th>
<th>Display</th>
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<tbody>
<tr>
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<td>PI.B</td>
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<td>PI.B</td>
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<td>PK.B</td>
<td>PI.B</td>
</tr>
<tr>
<td>Patent Country, Basic</td>
<td>PC.B</td>
<td>PI.B</td>
</tr>
<tr>
<td>Publication Year, Basic</td>
<td>PY.B</td>
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<tr>
<td>Publication Date, Basic</td>
<td>PD.B</td>
<td>PI.B</td>
</tr>
</tbody>
</table>

- The new fields are useful, e.g. for invention based statistics, or for faster transfer to other patent databases such as DWPI or CAplus
Example: Basic patent search and select options

=> FILE INPAFAMDB

=> S C12N0015-79+NT/CPC AND US/PC.B AND 2013/PY.B
L1 241 C12N0015-79+NT/CPC AND US/PC.B AND 2013/PY.B

=> FILE WPINDEX

=> TRANSFER L1 1- PNK.B /PNK
L2 TRANSFER L1 1- PNK.B : 241 TERMS
L3 224 L2/PNK

=> D AN TI
L3 ANSWER 1 OF 224 WPINDEX COPYRIGHT 2013 THOMSON REUTERS on STN
AN 2013-M42921 [201356] WPINDEX
TI New seed of soybean variety DLL1290, useful for producing soybean plant or its part having a transgene that confers the desired trait e.g. male sterility, herbicide resistance, insect resistance and modified fatty acid metabolism
Enhanced INPADOC legal status coverage

- El Salvador
  - Legal status information is now available from 1971
- Costa Rica
  - Legal status information is now available from 1990
- Japan
  - Legal status information now available from July 2008

More details on Japanese legal status coverage:
http://www.epo.org/service-support/updates/2012/20120116c.html
New full-text patent database INFULL

- Indian Patent Office English-language full-text patent applications and granted patents
  - From 1912 to date
- Produced by LexisNexis Univentio
- Numeric property search
- Family display options from INPADOCDDB
- IPC, CPC and ECLA and classification Thesauri

INFULL database summary sheet:
http://www.stn-international.com/infull.html
Example: BRIEF format in INFULL

=> D BRIEF

L1 ANSWER 1 OF 1 INFULL COPYRIGHT 2013 LNU on STN.
AN 2009018289 INFULL ED 20130525 UP 20130525 EDTX 20130525
DED 20100319 DUPD 20130416
TI GLUCAGON/GLP-I RECEPTOR CO-AGONISTS
IN DAY JONATHAN; PATTERSON, JAMES; CHABEN, SMILEY, DAVID; DIMARCHI, RICHARD D
PA INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, 351, WEST 10th STREET, INDIANAPOLIS, IN 46202, US
LAF English
DT Patent; (Fulltext)
PIT INA APPLICATION
PI IN 2009DN05128 A 20100319
AI IN 2009-DN5128 20090807
RLN WO 2008-US53857 20080213
PRAI US 2007-890087P 20070215
IPCI C07K0014-605 [C]

The BRIEF format includes bibliographic information, ...
Modified glucagon peptides are disclosed having enhanced potency at the glucagon receptor relative to native glucagon. Further modification of the glucagon peptides by forming lactam bridges or the substitution of the terminal carboxylic acid with an amide group produces peptides exhibiting glucagon/GLP-1 receptor co-agonist activity. The solubility and stability of these high potency glucagon analogs can be further improved by modification of the polypeptides by pegylation, substitution of carboxy terminal amino acids, or the addition of a carboxy terminal peptide selected from the group consisting of SEQ ID NO: 26 (GPSSGAPPSS), SEQ ID NO: 27 (K-RNRNNIA) and SEQ ID NO: 28 (KRNR).

1. A non-native glucagon peptide comprising the sequence of SEQ ID NO: 55 or an analog of SEQ ID NO: 55, wherein said analog is not a naturally occurring peptide and said analog differs from SEQ ID NO: 55 by 1 to 3 amino acid modifications, selected from positions 1, 2, 3, 5, 7, 10, 11, 13, 14, 17, 18, 19, 21, 24, 27, 28, and 29, wherein the glucagon peptide comprises a covalent intramolecular bridge between the side chains of two amino acids that are separated by three intervening amino acids to provide the enhanced activity at the GLP-1 receptor, wherein the glucagon peptide exhibits enhanced activity at the GLP-1 receptor as compared to native glucagon.
New full-text patent database JPFULL

- Japan Patent Office (JPO) English-language full-text patent applications, granted patents, and utility models
  - Features human-translated titles and abstracts, and machine-translated full-text, from 1964 to date
- Produced by Questel
- Numeric property search
- Legal status and family display options from the INPADOCDB database
- IPC, CPC and ECLA and classification Thesauri

Example: BRIEF format in JPFULL

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>L1</td>
<td>ANSWER 1 OF 1 JPFULL COPYRIGHT 2012 QUESTEL on STN.</td>
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<tr>
<td>AN</td>
<td>2009089702 JPFULL ED 20120928 UP 20120928 EDTX 20120928</td>
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<tr>
<td>TIEN</td>
<td>L-AMINO ACID-PRODUCING BACTERIUM AND METHOD FOR PRODUCING L-AMINO ACID</td>
</tr>
<tr>
<td>TIJA</td>
<td>L－アミノ酸生産菌 及びL－アミノ酸の製造法</td>
</tr>
<tr>
<td>IN</td>
<td>TAKUMI KAZUHIRO; NONAKA HAJIME</td>
</tr>
<tr>
<td>INJA</td>
<td>宅見 和浩 野中 源</td>
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<tr>
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<td>AJINOMOTO KK</td>
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<td>PAJA</td>
<td>味の素株式会社</td>
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<td>JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]</td>
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<td>PRAI</td>
<td>JP 2009-32835 20090216</td>
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<td>C12N0015-09 [I,A]; C12N0001-21 [I,A]; C12P0013-04 [I,A]</td>
</tr>
</tbody>
</table>

The BRIEF format includes bibliographic information, ...

Patent assignee numbers (/PAN) are available for comprehensive patent applicant and assignee searching.
PROBLEM TO BE SOLVED: To provide an L-amino acid-producing bacterium by developing a new technique for improving the L-amino acid-producing ability of a bacterium: and to provide a method for producing the L-amino acid with the bacterium. SOLUTION: The method for producing the L-amino acid comprises: culturing, in a culture medium, a bacterium having an ability for producing the amino acid such as L-cysteine, gene having a specific mutation, and belonging to Enterobacteriaceae to produce and accumulate the L-amino acid in the culture medium; and then collecting the L-amino acid from the culture medium.

COPYRIGHT: (C)2010,JPO&INPIT

MCLM 1. It possesses L-[amino] productivity, at the same time, in order to keep the mutation type yeaS gene which possesses the mutation from the below-mentioned (I) - (III) being chosen, it cultures the bacterium which belongs to the enteric bacteria course which is altered with the nutrient medium, it features that L-[amino] is extracted from the said nutrient medium, being the manufacturing method of L-[amino] , Description below (A) or (B) each protein the cord/code it does the yeaS gene which does not possess the aforementioned mutation, the aforementioned method: (A) The protein which possesses the amino acid arrangement which is shown in arrangement number 2, or, (B) When it possessed the amino acid arrangement to which the 1-10 includes the substitution, deficiency, insertion or addition of amino acid at the time of amino acid arranging which is shown in arrangement number 2, at the same time, rising revelation with the enteric bacteria, the protein which possesses the activity which it improves L-[shisutein] ....

... Abstract and Main Claim.
PCTFULL backfile enhanced with English-language translations of non-Latin languages

• Non-Latin language PCT documents have been enhanced with a backfile of English-language machine translated descriptions and claims
  – Japanese, Chinese and Korean
  – Russian (from February 1\textsuperscript{st}, 2007)

• The detailed description and claims are also displayable in the original filing language
  – E.g. using ALLOR, or CLMOR display formats
Example: PCTFULL original language display

PCTFULL original language (OR) display formats provide original language characters, e.g. ALLOR, CLMOR, etc.
USGENE Patent Sequence Location (PSL)

- Patent sequence location (PSL) is now available for all records from **January 2005** to date

- PSL indexing includes
  - The Sequence Identity Number (SEQ ID NO)
  - And, if referred to in the claims, the corresponding claim number
  - E.g., **Claim 12; SEQ ID NO 4**

- Retrieve sequences referred to in the claims
  - E.g., **=> S L1 AND CLAIM/PSL**
### Example: USGENE patent sequence location

AN 20130164256.265 Protein USGENE
TI IMMUNOBINDERS DIRECTED AGAINST TNF (Published Application)
IN Hsieh Chung-Ming (Newton, MA); Ghayur Tari...
PA ABBVIE INC (North Chicago IL)
PI US 20130164256 A1 20130627
AI US 2012-13659658 20121024 (13)
PRAI US 2011-550587P 20111024 (61)
PSL Claim 1; SEQ ID NO 265
DESC Artificial protein; Synthetic polypeptide; sequence 265 of 1078
ECLM US20130164256 A1: 1. A binding protein comprising at least one heavy chain variable region (VH region) comprising: (a) three complementarity determining regions (CDRs) from any one of SEQ ID NOS: 22, 24, 26, 28, 30, 32, 34-58, 74-83, 478-486, 496-675, 738-762, 778-956, 1053-1062, 1073, 1075, and 1077; or (b) any one of SEQ ID NOS: 22, 24, 26, 28, 30, 32, 34-58, 74-83, 94-266, 478-486, 496-675, 738-762, 778-956, 1053-1062, 1073, 1075, and 1077.
PSL indexing identifies if and where a SEQ ID NO is referred to in the claims.

<table>
<thead>
<tr>
<th>Key</th>
<th>Location</th>
</tr>
</thead>
</table>
Recent database enhancements

• IMSPATENTS
  – Improved STN standardization of patent publication numbers, including WO, KR, IN, HK, RU, SU and AU
  – Structure images are now available for all components of pharmaceutical mixtures

• Agriculture Online Access (AGRICOLA)
  – Simultaneous left and right truncation (SLART) added to the Basic Index (/BI), Title (/TI) and Abstract (/AB)
  – Numeric property search (NPS) is now available
Recent database enhancements (cont.)

• COMPENDEX
  – Numeric property search (NPS) is now available
  – Author’s Correspondence Addresses are now available
    • Each author and corresponding corporate source are numbered, e.g. (1) and the authors are no longer repeated in the CS field
    • For example:

<table>
<thead>
<tr>
<th>AU</th>
<th>Waswa Boaz S.(1); Vlek Paul L.G.(1); Tamene Lulseged D.(2); Okoth Peter(2); Mbakaya David(3); Zingore Shamie(4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Correspondence(s): Waswa B.S.(5)</td>
</tr>
<tr>
<td></td>
<td>(1)Center for Development Research (ZEF), University of Bonn, Germany</td>
</tr>
<tr>
<td></td>
<td>(2)International Center for Tropical Agriculture (CIAT), Lilongwe, Malawi</td>
</tr>
<tr>
<td></td>
<td>(3)Kenya Agricultural Research Institute (KARI), Kakamega, Kenya</td>
</tr>
<tr>
<td></td>
<td>(4)International Plant Nutrition Institute (IPNI), Nairobi, Kenya</td>
</tr>
<tr>
<td></td>
<td>(5)Centre for Development Research (ZEF), University of Bonn</td>
</tr>
<tr>
<td></td>
<td>EMAIL: <a href="mailto:bswaswa@yahoo.com">bswaswa@yahoo.com</a></td>
</tr>
</tbody>
</table>
Seventeen STN databases now offer the Numeric Property Search (NPS) feature!

<table>
<thead>
<tr>
<th>Databases with the feature &quot;NUMERIC PROPERTY SEARCH&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MOBILITY Global Mobility Bibliographic database</td>
</tr>
<tr>
<td>2MOBILITY Global Mobility Standards database</td>
</tr>
<tr>
<td>AEROSPACE The Aerospace and High Technology database</td>
</tr>
<tr>
<td>AGRICOLA Food, agriculture and related fields database</td>
</tr>
<tr>
<td>AUPATFULL Australian patent applications and specifications</td>
</tr>
<tr>
<td>CABA CAB Abstracts file</td>
</tr>
<tr>
<td>CANPATFULL Canadian patent applications and specifications</td>
</tr>
<tr>
<td>CNFULL Chinese Applications, Patents, and Utility Models</td>
</tr>
<tr>
<td>COMPENDEX Computerized Engineering Index and EI Engineering Meetings</td>
</tr>
<tr>
<td>ENCOMPPAT / ENCOMPPAT2 API EnCompass Patent Database</td>
</tr>
<tr>
<td>FSTA Food Science Technology Abstracts</td>
</tr>
<tr>
<td>INFULL Indian Patent Applications and Granted Patents</td>
</tr>
<tr>
<td>JPFULL Japanese Applications, Patents, and Utility Models</td>
</tr>
<tr>
<td>METADEX Metals Abstracts/Alloy Index</td>
</tr>
<tr>
<td>PCTFULL Patent Cooperation Treaty database</td>
</tr>
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<td>PQSCITECH ProQuest Science and Technology</td>
</tr>
<tr>
<td>TULSA / TULSA2 Petroleum Abstracts (Subscribers/Non-subscribers)</td>
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<tr>
<td>WVPIDS Derwent World Patents Index Subscriber File</td>
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<td>WPINDEX Derwent World Patents Index Publisher File</td>
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<td>WPIX Derwent World Patents Index Publisher File</td>
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</table>

A list of STN databases with the NPS feature: [http://www.stn-international.com/nps_databases.html](http://www.stn-international.com/nps_databases.html)
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- Derwent Patents Citation Index (DPCI) on STN
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- Apply your Skills: e-Seminar for the experienced searcher not familiar with STN
- Pharmacovigilance Alerts on STN
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Summary

- Implementation of CPC on STN
- Derwent World Patents Index (DWPI)
- INPADOC files (INPAFAMDB/INPADOCDB)
- New patent databases INFULL and JPFULL
- PCTFULL backfile enhancements
- Enhancements to USGENE
- Other recent database enhancements
- Resources for searchers
For more information …

CAS
help@cas.org
Support and Training:
www.cas.org

FIZ Karlsruhe
helpdesk@fiz-karlsruhe.de
Support and Training:
www.stn-international.de