DWPI^{SW} Tips & Tricks

PIUG Fall 2012

STN is available through FIZ Karlsruhe, Germany
and Chemical Abstracts Service, U.S.A.

Agenda

- General tips
- Remember the Members!
- Numeric property search 

- DCR structure searching
- Current awareness searching

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Recommended settings

- American/British spellings & terminology
  - E.g., color/colour; diaper/nappy

  => SET SPELLINGS ON PERM
- Plurals and DWPI abbreviations

  => SET PLURALS ON

  => SET ABBREVIATION ON PERM
- Normalize all IPCs to IPC Reform format
  - H01J037-04/IPC = pre-Reform format
  - H01J0037-04/IPC = Reform format

  => SET ICFORMAT ON PERM

Note: None of these are the default settings on STN®.

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Agenda

- General tips
- Remember the Members!
- Numeric property search
- DCR structure searching
- Current awareness searching

What are the members?

- As of 2006, DWPI records now have two parts – invention (family) and members (publications)
  - The invention part with value-added DWPI content – patent family, abstract, etc.
  - The members part with additional content and search options for members (publications) listed in the invention part
- Both parts can be searched or displayed separately or in combination

DWPI invention level data

- Patent family data
- Thomson Reuters value added data
  - Enhanced title and abstract(s)
  - Proprietary classification and indexing
- Deduplicated inventor and assignee data
- Deduplicated patent classifications

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DWPI member level data

- Original titles, abstracts, and claim(s)
- Full inventor names and addresses
- Original assignee names and addresses
- Attorney/agent names and addresses
- Available for many DWPI patent authorities
  - WO, EP, AU, DE, JP, GB, US, RU, FR, CA, BR, CH, ES, IN, CN, TW, KR, PH, VN, TH, GC, HK, PL

Note: Different patent authorities and publication types have different amounts of data at the member level. See this table for all the details: http://www.stn-international.com/dwpi_table.html

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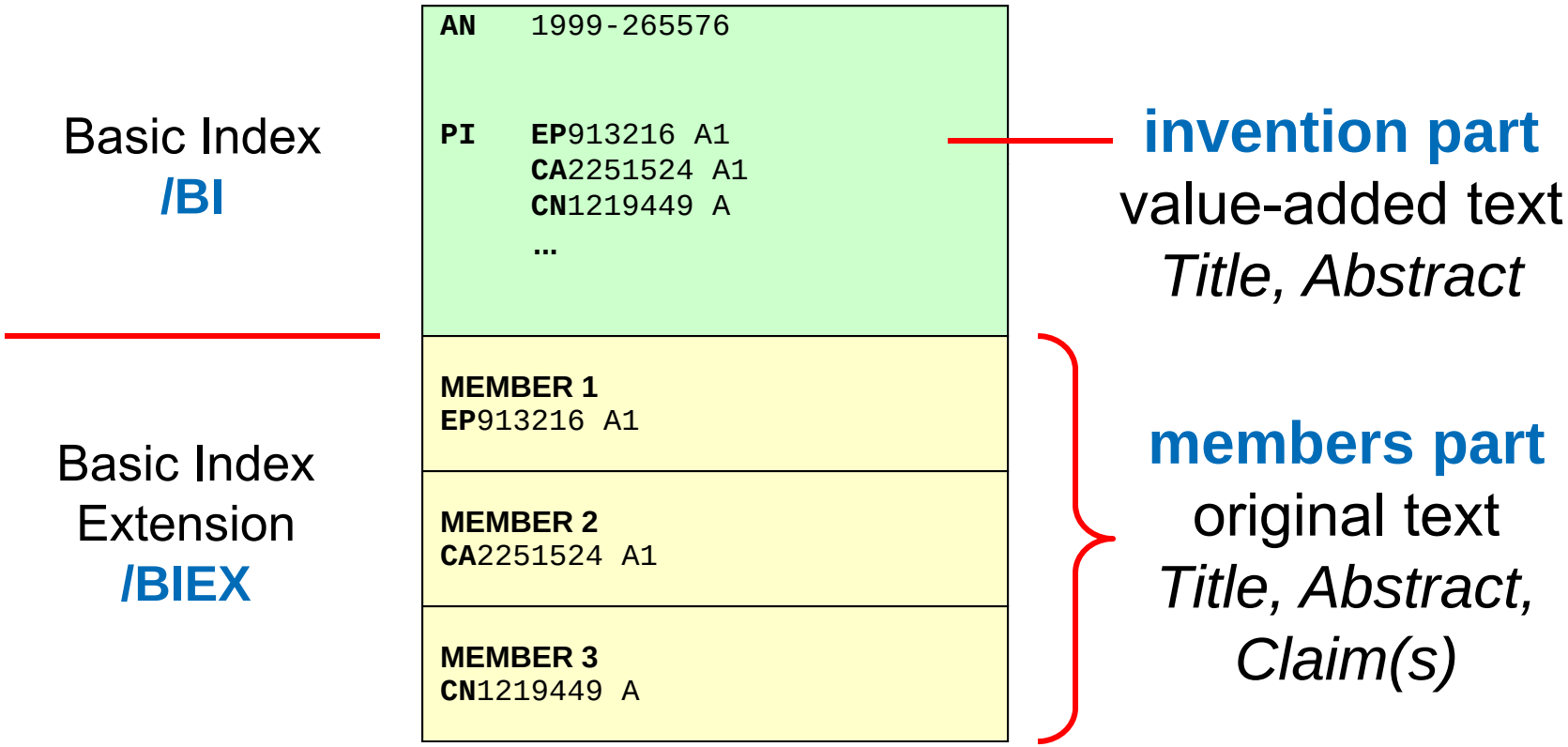
The DWPI default Basic Index (/BI) is formed from value-added text fields



Search examples to capitalize on the members level data

- Enhanced text search
  - Increased comprehensiveness (**BIEX**)
  - Increased precision (**CLMEN**)
- Improved company search
  - More comprehensive (**AG**)
  - More precise (**DLVL**)
- Precise inventor search (**INO**)

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Text searching in the members level – Asian patents

Search Example:

Search for recent anti-cancer treatment patent documents published in China, Korea, or Japan.

Note: this example is used to demonstrate DWPI coverage, database structure, and search technique. The simple anti-cancer search query used is not intended to be an exhaustive search for the topic.

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Search in the DWPI Basic Index (BI)

```
=> FILE WPINDEX

=> S (JP OR CN OR KR)/PC (P) 2011/PY
L1     1586842 (JP OR CN OR KR)/PC (P) 2011/PY

=> S L1 AND ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR
   CYTOSTATIC
L2       99856 L1 AND ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR
               CYTOSTATIC

=> D SCAN

L2   99856  ANSWERS  WPINDEX         COPYRIGHT 2012 THOMSON REUTERS on STN

TI   New substituted 6,7-dihydro-1H-1,3,6-triaza-s-indacene-5-one
     compounds, are tyrosine kinase inhibitors, useful for treating disease
     e.g. neuroblastoma, inflammatory myofibroblastic tumor, esophageal
     carcinoma, breast and prostate cancer

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

...
```

Retrieve DWPI records with recent Japanese, Chinese, or Korean family members (**L1**).

Tip: searching *anti?(**1T**)?cancer?* retrieves, e.g., both *anticancer* and *anti-cancer*.

Review DWPI enhanced titles with **D SCAN**.

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Add the DWPI Basic Index Extension (BIEX) – increase comprehensiveness

```
=> SET SFIELDS BI BIEX
SET COMMAND COMPLETED

=> S L1 AND ANTI? (1T) (?CANCER? OR ?TUMOR? OR
    ?NEOPLAS?) OR CYTOSTATIC
L3       100238 L1 AND ANTI?/BI,BIEX (1T)
                   (?CANCER?/BI,BIEX OR ?TUMOR?/BI,BIEX OR
                ?NEOPLAS?/BI,BIEX) OR CYTOSTATIC/BI,BIEX

=> S L3 NOT L2
L4          382 L3 NOT L2

=> D L4 TI TIEN ABEN CLMEN 1-10
```

Use the **SET** command to add the **BIEX** to the default search.

Additional answers are found by including **BIEX** (**L4**).

Review some results using the DWPI title, applicant title, applicant abstract, and claims.

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Sample record: Applicant title, abstract, and claims

```
L4   ANSWER 4 OF 382  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
TI   Immunoglobulin heavy chain variable region comprises complementarity
     determining region of complementarity determining region 1. . .

Member(0001)
TIEN Monoclonal antibody for serological diagnosis of liver cancer and
     application thereof

Member(0001)
ABEN CN 102276721 A       UPAA 20
     The invention claims a monoclonal antibody for serological diagnosis
     of liver cancer and application thereof.Specially, the invention
     claims a specific monoclonal antibody 7C8 of anti-human liver
     cancer.The monoclonal antibody has good stability and strong
     specificity with liver cancer antigen. The invention provides . . .

Member(0001)
CLMEN CN 102276721 A       UPCL 20120222
      [CLAIM 1] An immune globulin VH chain, wherein the complementary
      determining region CDR has amino acid sequence having following CDR:
      CDR1 shown as SEQ ID NO: 6, CDR2 shown as SEQ ID NO: 8 and CDR3 . . .
```

The Basic Index Extension (**BIEX**) includes English-language translations of Chinese applicant title, abstract, and all claims.

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English-language Asian patent claims in DWPI

- China
  - Human translation
  - Full claims for published applications and utility models from January 2007 onwards
  - Main claim for granted patents from January 2011

- South Korea
  - Machine assisted translation
  - Full claims for granted patents, published applications and utility models from January 2008
- Japan
  - Machine assisted translation
  - Main (first) claim for published applications, granted patents and utility models from December 2008

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Focus on patent claims (CLM) only – increase precision

```
L1     1586842 (JP OR CN OR KR)/PC (P) 2011/PY
. . .
=> S L1 (L) (ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR
   CYTOSTATIC)/CLM
L5        1424 L1 (L) (ANTI? (1T) (?CANCER? OR
               CYTOSTATIC)/CLM

=> D BIB CLM 1-10

L5   ANSWER ... OF 1424  WPINDEX COPYRIGHT 2012
AN   2011-Q78668 [201209]   WPINDEX  Full-text
TI   Composition useful in foodstuffs for preventing and/or treating
     cancer, comprises glycosaminoglycan extracted from Aplysia kurodai
DC   B04; D13
IN   CHOI Y J; PARK S H
PA   (UYGY-N) UNIV GYEONGSANG IND ACAD COOP FOUND
CYC  1
PIA  KR 2011132746   A  20111209 (201209)* KO  20[8]
ADT  KR 2011132746 A KR 2010-52254 20100603
PRAI KR 2010-52254        20100603
```

Use (**L**)-proximity to focus the search specifically to Asian patent claims (**CLM**) (**L5**).

Invention display, **BIB**.

(Cont . . .)

STN

Example: Korean patent claims

```
Member(0001)
CLMEN KR 2011132746 A       UPCL 20120206
      [CLAIM 1] The anticancer composition including the
      Glycosaminoglycan extracted from the minor persons (Aplysia
      kurodai) as an active ingredient.
      [CLAIM 2] As to claim 1.The anticancer composition which
      includes at least one kind selected from the group
      consisting of disaccharide represented by the chemical
      formula of the disaccharide and chemical formula 2
      indicated as the chemical formula of below chemical formula
      1 the glycosaminoglycan is.[Chemical formula 1][Chemical
      formula 2]
      [CLAIM 3] The cancer-treatment including the anticancer
      composition of claim 1 as an active ingredient or the
      preventive composition.
      [CLAIM 4] The food composition fo
      including the anticancer composition of claim 1 as an
      active ingredient or the prevention.
```

Member display, **CLM**.

Full-claims of Korean patents, applications and utility models.

(Cont . . .)

STN

Example: Korean patent claims (cont.)

[CLAIM 5] The step of separating to ion chroamtography the ethanol in the step of removing the step: protein adding the flavourzyme in the step of manufacturing the minor persons crushed material it freezes and dries and it pulverizes: minor persons crushed material and reacts the minor persons that removes built in 57º to 63º for 14 hours to 16 hours the trichloroacetic acid (trichloroacetiec acid) is added in the hydrolysate: hydrolysate that removes protein the step of extracting polysaccharide it adds and extracted polysaccharide.The manufacturing method of the glycosaminoglycan extracted from the minor persons comprising.

Tip: The member data (i.e., **CLM**) is **free** when displayed simultaneously with invention data (i.e., **BIB**):
=> D BIB CLM

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Example: Chinese patent claims

```
L5   ANSWER ... OF 1424  WPINDEX COPYRIGHT 2012      THOMSON REUTERS on STN
AN   2012-A22945 [201222]   WPINDEX  Full-text
TI   Sheep's ear herb sesquiterpene lactone B, useful for preparing anti-
     tumor medicines, preferably anti-human cervical tumor medicines and
     medicines to restrain human small cell lung tumor cell proliferation
DC   B04
IN   CONG B; DONG M; NI Z; SHI Q
PA   (UYHE-N) UNIV HEBEI MEDICAL
CYC  1
PIA  CN 102274210    A  20111214 (201222)* ZH  5[0]
ADT  CN 102274210 A CN 2011-10168298 20110617
PRAI CN 2011-10168298     20110617

Member(0001)
CLMEN CN 102274210 A       UPCL 20120330
      [CLAIM 1] Use of sheepear inula herb sesquiterpene lactones B for
      preparing anti-tumour medicine.
      [CLAIM 2] Use of sheepear inula herb sesquiterpene lactones B for
      preparing anti-human body cervix uterus tumour medicine.
      [CLAIM 3] Use of sheepear inula herb sesquiterpene lactones B for
      preparing the medicine to restrain human body small cell lung tumor
      cell proliferative medicine.
```

Full-claims of Chinese patent applications and utility models.

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Example: Japanese patent claims

```
L5   ANSWER ... OF 1424  WPINDEX COPYRIGHT 2012      THOMSON REUTERS on STN
AN   2011-L19959 [201161]   WPINDEX  Full-text
CR   2011-M85790
TI   Agent useful for preventing and/or treating hand and foot syndrome
     e.g. palm and sole redness and rash caused by administering anticancer
     agent, contains solifenacin, tolterodine, or fesoterodine
DC   B05
IN   ISHIZAKA K; KITAO A; NOMIZU H
PA   (ONOY-C) ONO PHARM CO LTD
CYC  1
PIA  JP 4761000      B1 20110831 (201161)* JA  24[6]
ADT  JP 4761000 B1 JP 2010-250168 20101108
PRAI JP 2010-250168       20101108

Member(0001)
CLMEN JP 4761000 B1       UPCL 20110923
      The preventive and/or treating agent containing the compound
      selected from the group which consists of solifenacin, a tolterodine,
      fesoterodine, and those pharmacologically acceptable salts of the
      hand and foot syndrome resulting from anticancer agent
      administration.
```

Main (first) claims of Japanese patents, applications, and utility models.

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Search examples to capitalize on the members level data

- Enhanced text search
  - Increased comprehensiveness (BIEX)
  - Increased precision (CLMEN)
- Improved company search
  - More comprehensive (**AG**)
  - More precise (**DLVL**)
- Precise inventor search (INO)

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More comprehensive company search (AG)

```
=> S SYNGENTA/PA,AG OR SYGN/PACO
L1          2154 SYNGENTA/PA,AG OR SYGN-C/PACO

=> D BIB MEMB
L1   ANSWER ... OF 2154  WPINDEX COPYRIGHT 2012
AN   2011-B43353 [201113]   WPINDEX
TI   Producing transgenic plant with improved drought tolerance, by
     introducing expression cassette into plant cell comprising . . .
IN   CHEN X; GUO L; LAWTON K A; RYALS J A
PA   (CHEN-I) CHEN X; (GUOL-I) GUO L; (LAWT-I) LAWTON K A; (RYAL-I) RYALS J
PI   US 20110030099  A1 20110203 (201113)* EN  31[1]
ADT  US 20110030099 A1 US 2010-837905 20100716; US 20110030099 A1
Provisional
     US 2009-226517P 20090717
PRAI US 2010-837905       20100716
     US 2009-226517P      20090717

Member(0001)
PI   US 20110030099  A1 20110203 (201113)* EN  31[1]
TIEN PLANTS AND MODULATORS FOR IMPROVED DROUGHT TOLERANCE
AG   SYNGENTA BIOTECHNOLOGY, INC.;PATENT DEPARTMENT
       AGA: 3054 CORNWALLIS ROAD, P.O. BOX 12257, RESEARCH TRIANGLE . . .
```

With the search field **AG** 28 additional documents were found.

This record would not have been retrieved without using the **AG** field.

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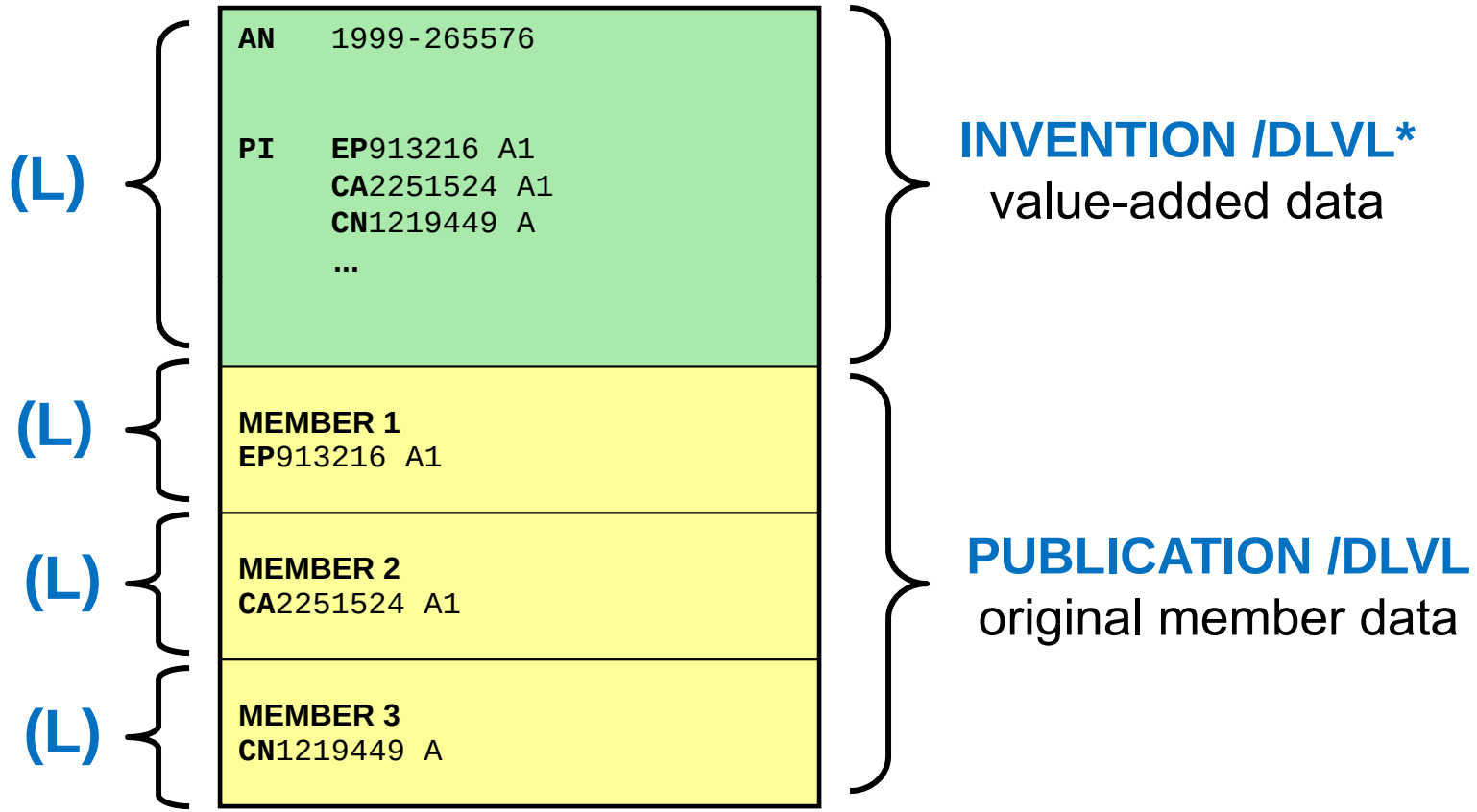
(L)-proximity can be used for precision searches within individual family members



*DLVL = Document Level. Options are INVENTION /DLVL or PUBLICATION /DLVL

More precise company search (DLVL)

```
=> S BADI/PACO (L) JP/PC (L) PUBLICATION/DLVL
L1          6210 S BADI/PACO (L) JP/PC (L) PUBLICATION/DLVL

=> D MEMBF L1

L1   ANSWER 1 OF 6210 WPINDEX COPYRIGHT 2012 THOMSON REUTERS on STN ...
Member(0001)
AN    2011-P60879 [201180]
PA    (BADI-C) CONSTR RES&TECHNOLOGY GMBH
      PAA: JP
PI    JP 2011241095    A   20111201 (20118
ADT   JP 2011241095 A JP 2010-111987 20100514
```

The **MEMBF** display format displays ***all*** available member (publication) details.

BASF (BADI-C) is the patent assignee for the Japanese family member.

STN

This BASF DWPI record would NOT be retrieved . . .

The invention level seems to indicate that BASF has a JP publication.

```
AN    2007-561340 [54]    WPINDEX
PA    (BADI-C) BASF COATINGS JAPAN LTD; (NIRM-N) NIPPON RM KK
PI    WO 2007063382    A1 20070607 (200754)* EN   49[0]
      JP 2007177216    A  20070712 (200754)  JA   21
. . .
Member(0002)
PI    JP 2007177216    A  20070712 (20075
PA    (NIRM-N) NIPPON RM KK
ADT   JP 2007177216 A JP 2006-303981 20061109
APTS  2006JP-000303981
PRAI  JP 2005-343227       20051129
```

The members level specifies that the patent assignee for the JP publication is Nippon, not BASF.

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Search examples to capitalize on the members level data

- Enhanced text search
  - Increased comprehensiveness (BIEX)
  - Increased precision (CLMEN)
- Improved company search
  - More comprehensive (AG)
  - More precise (DLVL)
- Precise inventor search (**INO**)

Search for full inventor name to increase precision (INO)

```
=> S SCHMIDT R/IN
L1          2036 SCHMIDT R/IN

=> S (RALF(P)MICHAEL(P)SCHMIDT)/INO
L2            24 (RALF(P)MICHAEL(P)SCHMIDT)/INO

=> D BIB HIT
L2   ANSWER 1 OF 24  WPINDEX COPYRIGHT 2012        THOMSON REUTERS on STN
AN   2006-079406 [200608]   WPINDEX
DNC  C2006-028718 [200608]
TI   Method for increased production of transgenic plants with . . .
DC   C06; D16; P13
IN   FRANK M; SCHMIDT R; STAUDER S; SCHMIDT R M
PA   (BADI-C) BASF PLANT SCI GMBH
CYC  110
PIA  WO 2006000319   A2 20060105 (200608)* DE  96[1]
     DE 102004030608 A1 20060126 (200609)  DE
     ...
Member(0001)
INO  FRANK, Markus; SCHMIDT, Ralf-Michael;
     STAUDER, Sandrajnmh5r6tttttt
```

Traditional search.

Member level search.

Invention Level.

Member Level.

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Popular member display formats*

- MEMBF (MEMBer Full)
  - All available member level data for every member
- MEMBB (MEMBer Brief)
  - Only unique member level data for every member
- HIT
  - Only the information in the hit FIELD
- HITMEMB (HIT MEMBer)
  - All member data ONLY for the hit member(s)
- CLMEN, CLM, TIO. . . (individual member fields)

*__FREE__ when combined with Invention displays such as **ALL**, **FULL**, **MAX**, etc., none of which include member level data.

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Agenda

- General tips
- Remember the Members!
- Numeric property search 

- DCR structure searching
- Current awareness searching

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Numeric property search

- Now available in CNFULL, CANPATFULL, AUPATFULL, PCTFULL, and MOBILITY
- More than 30 numeric fields covering nearly 400 units
  - A wide variety of chemical and physical properties
  - Including magnitude variation and alternative spelling
- Search within all English-language text fields
- Automatic unit conversion
- An enhanced NPS is now available in DWPI!

Numeric property search fields and base units:
http://www.stn-international.com/pctfull_nps.html

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Enhanced numeric property search in DWPI

- More than **1,800** original unit variants indexed
- More than **50** numeric property search fields
- Enhanced indexing of open and closed ranges
  - New qualifier to exclude indexed open ranges: **.EX**
- Available in all DWPI English-language text fields in BOTH the Invention and the Member level, e.g., enhanced title, abstract, and claims

Type **HELP NPS** in DWPI to learn more.

STN

Search example: Reaction time

```
=> FILE WPINDEX

=> S REACT? TIME (5A) TIM<2 HOURS
L1          2235 REACT? TIME (5A) TIM<2 HOURS

=> D KWIC 1-2

L1   ANSWER 1 OF 2235  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ABEX.  .  .  then the Teflon vacuum pump was turned on and the vacuum was
     immediately applied to the system. After a total reaction time of
     60 minutes the heat was turned off and the flask was backfilled with
     nitrogen. The reaction mixture was then charged with.  .  .

L1   ANSWER 2 OF 2235  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ADV.  .  .  .  reaction, which avoids the system solvent losses and also
air
     pollution caused by solvent evaporation. The residence time or the
     reaction time is not more than 75 minutes in a continuous cycle,
     thus the method is commercially viable.
```

Here we are using the time (/**TIM**) field to search for a chemical reaction time of less than two hours.

STN

Search example: Reaction time (cont.)

```
=> SET SFIELDS BI CLM
SET COMMAND COMPLETED

=> S REACT? TIME (5A) TIM<2 HOURS
L2          5197 REACT? TIME/BI,CLM (5A) TIM<2 HOURS

=> S L2 NOT L1
L3          2961 L2 NOT L1

=> D KWIC

L3   ANSWER 1 OF 2961

Member.  .  .
      degrees centigrade.
      [CLAIM 5] The integrated multi-density polyurethane foaming product
      according to claim 1, wherein in the step three, the mould reaction
      time is 4-5 minutes.
      [CLAIM 6] An integrated multi-density polyurethane .  .  .
```

Adding the DWPI claims field (/**CLM**) may retrieve additional relevant results.

Additional hits are often retrieved in the Chinese and South Korean English-language translated claims.

STN

Search example: Reaction time (cont.)

```
=> S REACT? TIME/ADV (5A) TIM<2 HOURS
L4          96 REACT? TIME/ADV (5A) TIM<2 HOURS

=> D KWIC 1-96
```

More focused searches are possible using DWPI abstract sections, e.g., the advantage (/**ADV**).

```
L4   ANSWER … OF 96  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ADV  ADVANTAGE - The method can greatly enhance catalytic activity, has
     reaction time of 1.5 hours and quickly form high molecular weight
     product at maximum molecular weight of more than 20; has body
     producing, simple..  .  .

L4   ANSWER … OF 96  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ADV  ADVANTAGE - The reactor system does not use oxygen, has high
     temperature heating rate (1000-10000 K/s) and has short reaction time
     (less than 2 seconds). It is capable of providing short chain low
     molecular substance product and improves yield and quality of
     biological oil.
```

STN

Search example: Reaction time (cont.)

```
=> S REACT? TIME/ADV (5A) TIM.EX<2 HOURS
L5          82 REACT? TIME/ADV (5A) TIM.EX<2 HOURS

=> S L4 NOT L5
L6          14 L4 NOT L5

=> D KWIC 1-14

L6   ANSWER … OF 14  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ADV.  .  .  .  can be processed for obtaining the Na2Ta2O6 while the
     hydrothermal reaction temperature is lower than 150 degrees C and the
     reaction time is less than 8 hours.

L6   ANSWER … OF 14  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
ADV.  .  .  .  greater than 30 (preferably greater than 50) kg. The process
     of preparing omeprazole form B is carried out at total reaction time
     of less than 35 hours; is simple, cost-effective and large scale
     applicable; and has improved purification step.
```

Option: exclude indexed open ranges (**.EX**), as this can help focus the search even further.

Open range hits are not always relevant (**L6**).

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Search example: Cisplatin dosage

```
=> FILE WPINDEX

=> S CISPLATIN/CN
L1             2 CISPLATIN/CN

=> SEL CN
E1 THROUGH E40 ASSIGNED

=> D SEL
E1             4     CISPLATIN/CN
E2             1     ABIPLATIN/CN
E3             1     BRIPLATIN/CN
E4             1     CDDP/CN
E5             1     CIS-DDP/CN
E6             1     CIS-PLATINUM/CN
E7             1     CISMAPLAT/CN
E8             1     CISPLATINE/CN
E9             1     CISPLATINO/CN
. . . .
```

In this example, we are looking for DWPI records describing a cisplatin dosage* of less than 16 mg/Kg.

To be more comprehensive, use the various DWPI Chemistry Resource (DCR) chemical names (/**CN**) for cisplatin (**E1-E40**).

STN

Search example: Cisplatin dosage (cont.)

```
=> S E1-E40/BI,CLM (5A) DOS<16
L2          71 (CISPLATIN/BI OR ABIPLATIN/BI OR . . .) (5A) DOS<16 MG/KG

=> D KWIC 1-71

L2   ANSWER … OF 71  WPINDEX COPYRIGHT 2012        THOMSON REUTERS on STN
TECH
     PHARMACEUTICALS - Preferred Components: The dosage quantities of each
     ingredients are 2 mg/kg of cis-platinum, 0.2 l/kg of super-liquid
     iodized oil, and 0.6 Ug/kf of bafilomycin A1 or 60 mg/kg of
     chloroquine.

L2   ANSWER … OF 71  WPINDEX COPYRIGHT 2012        THOMSON REUTERS on STN
ABEX  ADMINISTRATION - Administration of the cisplatin is 10 mg/kg,
     intraperitoneally or orally. Administration of the NK1 receptor
     antagonist is intravenous.

L2   ANSWER … OF 71  WPINDEX COPYRIGHT 2012        THOMSON REUTERS on STN
ACTV .  .  .  disulfide in physiological saline was administered at 40
     mg/kg/day via intraperitoneal (IP) injections. At one hour after MPG
     disulfide administration, cisplatin (2 mg/kg) was administered to
     these rats by IP. MPG treatment alone without cisplatin was continued
     for two more days in..  .  .
```

Here we are looking for a dosage (/**DOS**) of less than 16 mg/Kg.

STN

Search example: Molybdenum content in ppm

```
=> S 200E-6 - 300E-6/PER.EX (3A) (PARTS PER MILLION OR
   PPM)/BI,BIEX (5A) MOLYBDENUM/BI,BIEX

L1          137 200E-6 PERCENT -  300E-6 PERCEN
            MILLION OR PPM)/BI,BIEX(5A)MOLYBDENUM/BI,BIEX

=> D KWIC 1 3 34

L1  ANSWER 1 OF 137  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
NOV  NOVELTY - A lubricant composition contains an organic molybdenum
     compound (A) (200-2000 ppm), base oil (1-30 %mass) having kinematic
     viscosity of 25 mm2/second or more at 100 degrees C, and base oil
. . .

TECH.  .  .  .
     cleaning agent, ash-free dispersant, metal deactivator, rust-
     preventive agent and antifoamer. The extreme-pressure agent is zinc
     dithiophosphate having phosphorus content of 300-800 ppm. The organic
     molybdenum compound is of formula (I)
     R1-R4=4-18C linear or branched alkyl
     X1-X4=O or S.
```

We are looking for a content (/**PER**) of 200 – 300 ppm.

In this record, all hit terms appear within the Basic Index (**BI**).

Parts per	Field	Exponent
Thousand (PPT)	PER	E-3
Million (PPM)	PER	E-6
Billion (PPB)	PER	E-9

STN

Search example: Molybdenum content in ppm (cont.)

Hit terms in the basic index (**BI**) only.

```
L1   ANSWER 23 OF 112        THOMSON REUTERS on STN
NOV.  .  .  lubricating viscosity; (b) 20-300 parts per million by weight
      of titanium in the form of an oil-soluble titanium-containing
      material; (c) 40-500 parts per million by weight molybdenum in the
      form of an oil-soluble molybdenum-containing material; and (d) 0.3-3%
      by weight of a hindered phenolic anti-oxidant.
TECH.  .  .  .
      sodium-containing detergent contributes 100-2000 parts per million by
      weight sodium to the lubricating composition. The lubricating
      composition further comprises: (c) 40-500 parts per million by weight
      molybdenum in the form of an oil-soluble molybdenum-containing
      material. In a second alternative case, the lubricating.  .  .
```

Hit terms are only found in the human translation of the full claims (**CLMEN**) of this Chinese publication, so this record would be missed by searching the basic index only.

```
L1   ANSWER 23 O
Member.  .  .
      wherein the molybdenum compound is present in an amount to provide
      0.5 ppm to 2000 ppm, 1 pm to 700 ppm, or 20 ppm to 250 ppm of
      molybdenum.
      [CLAIM 16] The method according to claim 1, further comprising. . .
```

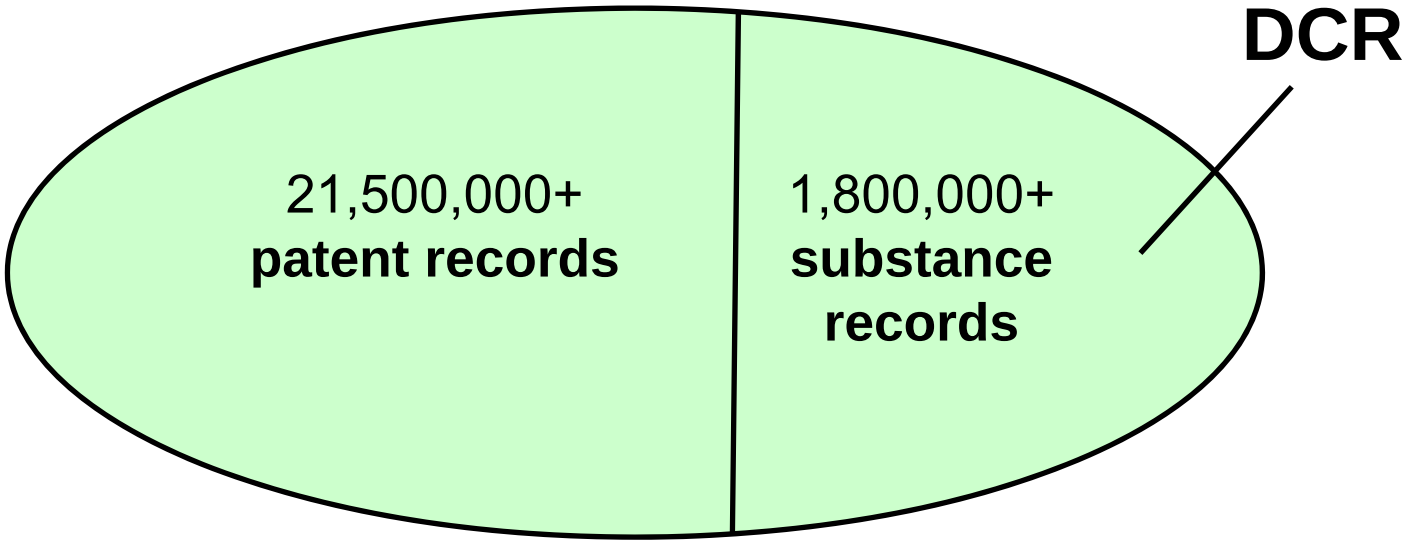
STN

Agenda

- General tips
- Remember the Members!
- Numeric property search
- DCR structure searching
- Current awareness searching

What is DWPI Chemistry Resource?

- DCR is a chemical structure database covering specific chemical structures indexed in DWPI bibliographic patent records
- An integral part of DWPI on STN since 1999
- Available to all users of DWPI



STN

DWPI Chemistry Resource (DCR)

- For each specific chemical substance a DCR record is created with a unique DCR number
  - Basic compound
  - Salts, isotopes, mixtures, and isomers
- Substance records include structure diagrams and substance data, e.g.,
  - IUPAC-name, synonyms
  - Molecular formula, molecular weight
- DCR numbers (/DCR) form the connection to DWPI patent records

STN

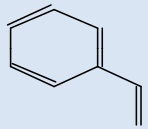
DWPI provides bibliographic patent records and chemical substance records

Bibliographic record

```
L1   ANSWER 1 OF 1  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
AN   2005-217884 [23]   WPINDEX
TI   Recovery of solvent and styrene from polystyrene solution involves
     recovering solvent by evaporation and recovering styrene from polystyrene
     thermally decomposed by solvent
DC   A13; A35; E14; J01
IN   KANG E; KYO Y; OGURA A
PA   (TOSH-N) TOSHIBA PLANT KENSETSU KK
PI   JP 2005060471   A  20050310 (200523)* JA  10[2]       C08J0011-12
ADT  JP 2005060471 A JP 2003-290004 20030808
PRAI JP 2003-290004 20030808
IPCR B01D0001-22 [I,A]; B01D0001-22 [I,C]; B01D0003-00 [I,A]; B01D0003-00
AB   JP 2005060471 A   UPAB: 20050708
     NOVELTY - Solvent from a polystyrene solution obtained by dissolving
     polystyrene in a solvent is evaporated and the solvent is recovered. The
     solvent thermally decomposes the separated polystyrene and styrene is
     recovered.
           DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for
     equipment for recovering solvent and styrene from a polystyrene solution.
           USE - Used for recovering solvent and styrene from a polystyrene
     solution.
           ADVANTAGE - The solvent and styrene are recovered efficiently from
     the polystyrene solution. The styrene monomer of high purity is obtained
     with high yield.
           DESCRIPTION OF DRAWINGS - The figure shows the thermal
     decomposition portion of the apparatus used for solvent and styrene
     recovery. (Drawing includes non-English language text).
           Storage tank (1)
           Transfer pump (2)
           Solvent evaporator (3)
           Piping (4)
           Condenser (5)
TECH ORGANIC CHEMISTRY - Preferred Process: The cracked gas obtained by
     thermally decomposing polystyrene is condensed. The oil component is
     distilled and styrene of high purity is recovered.
FS   CPI
MC   CPI: A04-C02D; A10-E05C; A10-G01A; E10-J02A1; E10-J02B2; E11-Q01A; J01-A01
IT   UPIT 20050708
     2113-DIS 2113-PRD; 368-CL 368-PRD
```

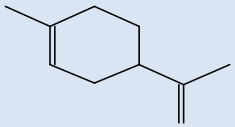
Substance record (DCR)

```
L2   ANSWER 1 OF 2  WPINDEX COPYRIGHT 2012  THOMSON REUTERS on STN
ACCESSION NUMBER:     DCR-368
DERWENT CHEM.RES.NO.: 368-0-0-0
PREF. CHEMICAL NAME:  STYRENE
SYSTEMATIC NAME:      Vinyl-benzene
SYNONYM:              POLYSTYRENE (MONOMER); STYRENE
```



```
MOLECULAR FORMULA:    C8 H8
MOLECULAR WEIGHT:     104.1512
DERWENT COMPOUND NO.: R00708
DERWENT REGISTRY NO.: 0708
```

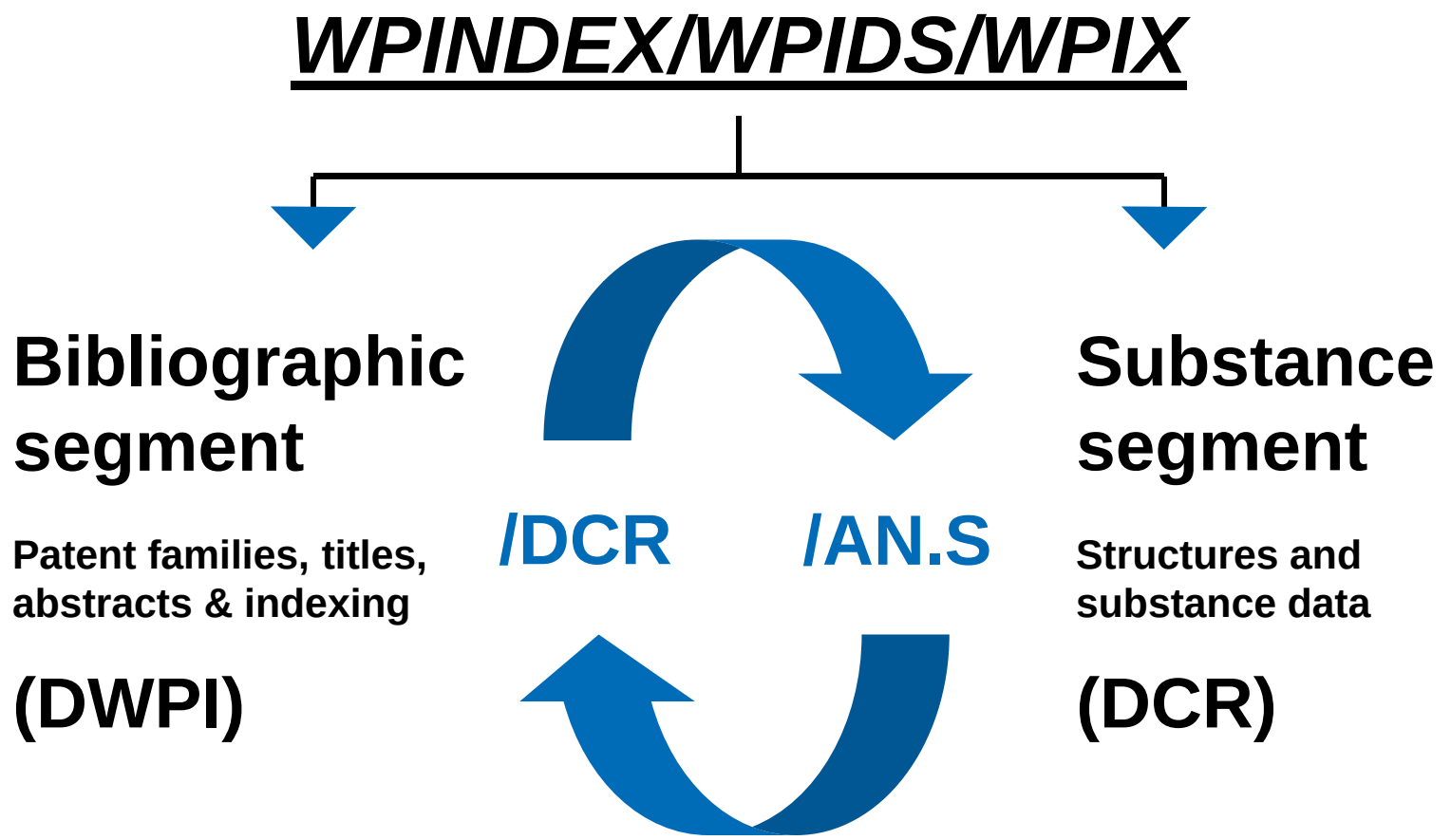
```
L2   ANSWER 2 OF 2  WPINDEX COPYRIGHT 2012  THOMSON REUTERS on STN
ACCESSION NUMBER:     DCR-2113
DERWENT CHEM.RES.NO.: 2113-0-0-0
PREF. CHEMICAL NAME:  LIMONENE
SYSTEMATIC NAME:      4-Isopropenyl-1-methyl-cyclohexene
SYNONYM:              (+-)-LIMONENE; 1,8-P-MENTHADIENE;
                      CAJEPUTENE; CINENE; DIPENTENE; DL-LIMONENE;
                      EULIMEN; KAUTSCHIN; LIMONENE; MENTHADIENE,
                      1,8-P-; REFCHOLE
```



```
MOLECULAR FORMULA:    C10 H16
MOLECULAR WEIGHT:     136.239
DERWENT COMPOUND NO.: R01119
DERWENT REGISTRY NO.: 1119
```

STN

DCR numbers form the connection between substance and patent records



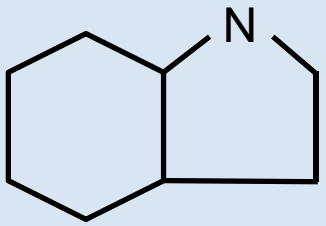
Structure searching using DCR

- Overcoming system limits
- Enhanced display formats

Searching for simple structures in DCR

Search Example:

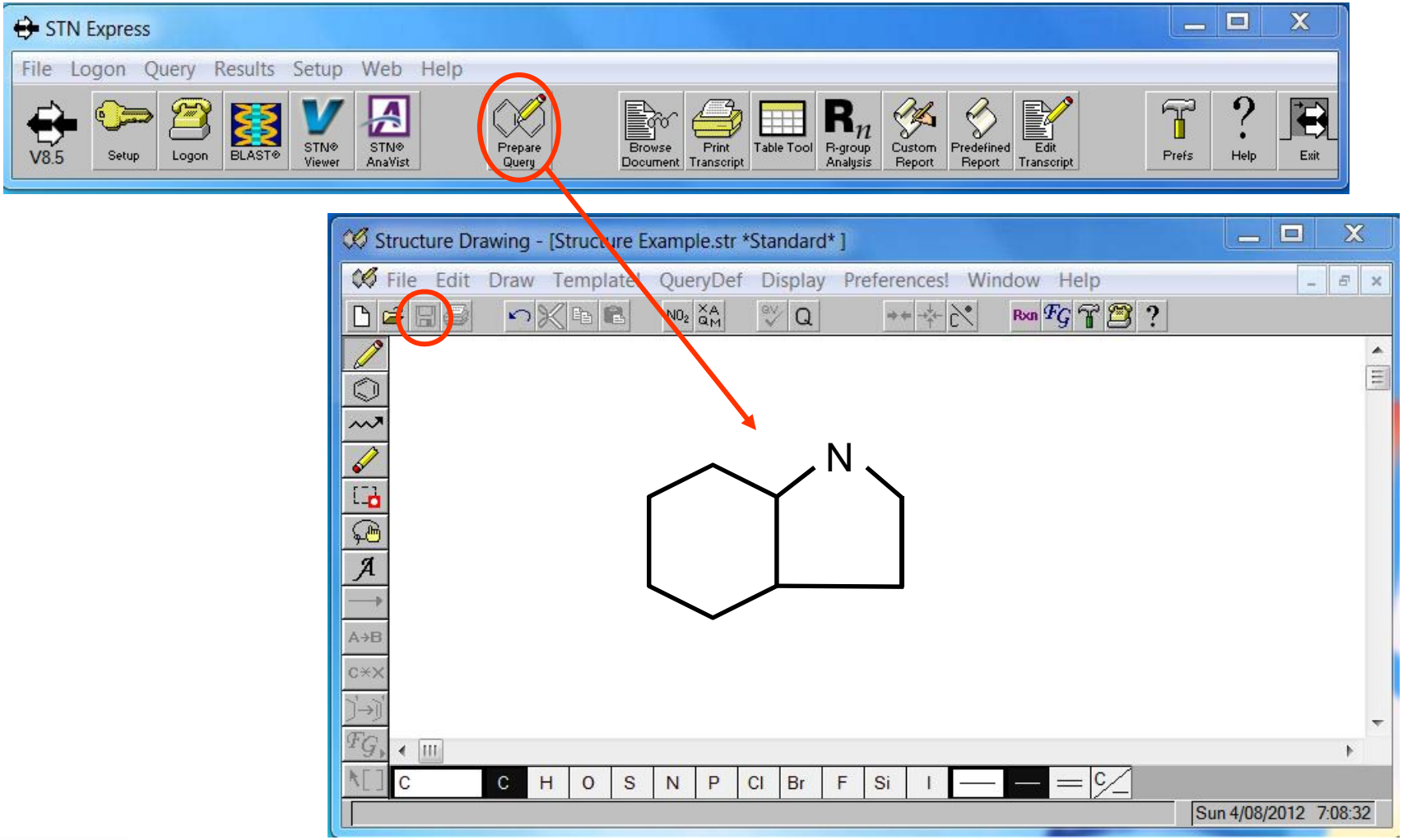
Search for DWPI patent references to compounds which include the following general structure fragment



Learn more about the basics of structure searching: http://www.cas.org/support/stngen/stndoc/structure.html.

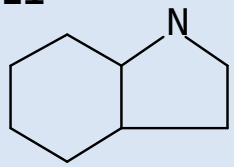
STN

Draw & save the structure query in standard format with STN Express



Upload structure query and run sample structure search

```
=>
Uploading C:\. . . .\STN Express 8.5\Structures\STRUCTURE EXAMPLE.str

L1      STRUCTURE UPLOADED
=> D
L1 HAS NO ANSWERS
L1                STR
```




```
Structure attributes must be viewed usi

=> S L1 SSS SAM
SAMPLE SEARCH INITIATED 00:33:07 FILE 'WPINDEX'
SAMPLE SCREEN SEARCH COMPLETED -    34692 TO ITERATE

2.9% PROCESSED     1000 ITERATIONS                          50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) . . .

FULL FILE PROJECTIONS:  ONLINE   **INCOMPLETE**
                        BATCH    **INCOMPLETE** . . .
```

The uploaded structure query (**L1**).

Option: display the query (**L1**), to verify that the Upload was successful.

Run a substructure (SSS) sample (SAM) search using the query (**L1**).

Now what?

STN

When system limits are exceeded during a structure search

1. Ask requestor for a more specific structure
2. Limit the structure search to a SUBSET
   a. Options within DCR
   b. Bibliographic criteria first

STN

Options to limit search within DCR

- Molecular Formula (MF)

  => S C6 H11 Br O2 . Na
- Element Symbol (/ELS)

  => S BR/ELS
- Element Symbol Count (/ELS.CNT)

  => S O 2-3/ELS.CNT
- Classification Codes (/CC)

  => S ANTIBODIES/CC
- Roles
- ....

Limit using classification codes

```
=> E A/CC 10
**** START OF FIELD ****
E3            0 --> A/CC
E4         7743     ALKALOIDS/CC
E5          188     ALLOYS/CC
E6          729     ANTHRACYCLINES/CC
E7          230     ANTIBODIES/CC
. . .

=> S E4
L4         7743 ALKALOIDS/CC

=> SET SUBSET
ENTER SUBSET L# OR (NONE):L4
SET COMMAND COMPLETED

=> S L1 SSS FULL
FULL SUBSET SEARCH INITIATED 00:41:37 FILE 'WPINDEX'
FULL SUBSET SCREEN SEARCH COMPLETED -     5837 TO ITERATE

100.0% PROCESSED     5837 ITERATIONS                          647 ANSWERS
SEARCH TIME: 00.00.03

L6           647 SEA SUB=L4 SSS FUL L1
```

Expand to review classifications.

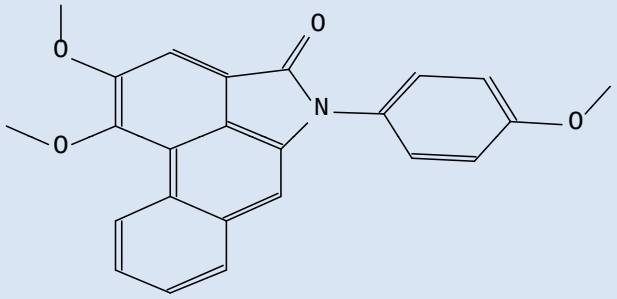
Search for alkaloids (**L4**).

Restrict structure search to the SUBSET alkaloids (**L4**).

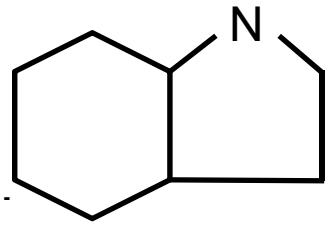
STN

Review some answers using D SCAN

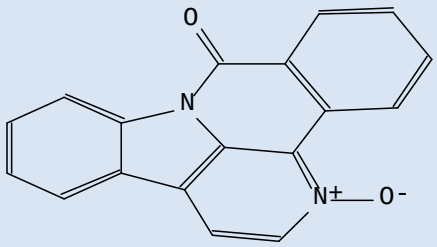
```
=> D SCAN
L6   647  ANSWERS  WPINDEX        COPYRIGHT 2012 THOMSON REUTERS on STN
CN.S 1,2-Dimethoxy-5-(4-methoxy-phenyl)-5H-dibenzo[cd,f]indol-4-one;
     1,2-Dimethoxy-5-(4-methoxy-phenyl)-5H-dibenz[cd,f]indol-4-one
MF   C24 H19 N O4
```



Use the free-of-charge D SCAN format to compare answers to the original general structure:




```
HOW MANY MORE ANSWERS DO YOU WISH
L6   647  ANSWERS  WPINDEX
CN.S 1-Oxy-1,7b-diaza-benzo[e]acephenanthrylen-8-one; . . .
MF   C18 H10 N2 O2
```



STN

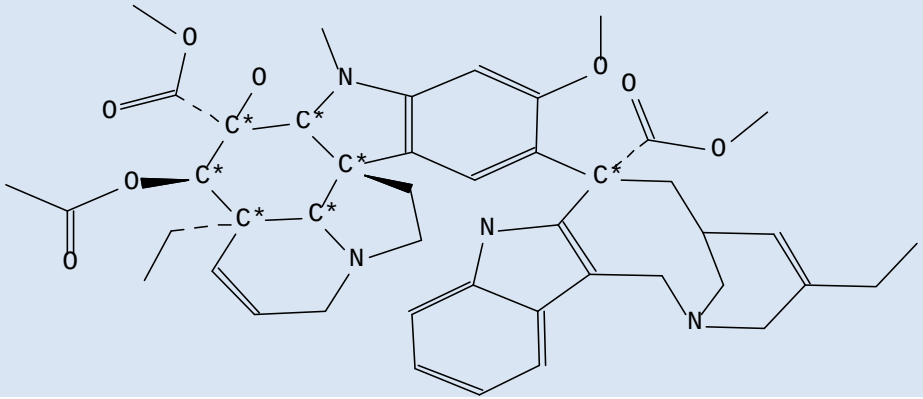
Retrieve and display DWPI patent records

```
=> SET SUBSET=NONE

=> S L6/DCR
L7          4407 L6/DCR

=> D FULL HIT HITSTR

L7   ANSWER 4 OF 4407  WPINDEX COPYRIGHT 2012       THOMSON REUTERS on STN
AN   2012-D03542 [201223]   WPINDEX  Full-text
TI   New quinazoline compound used in pharmaceutical composition or
     preparing medicaments for treating hyperplasia disease, cancer, non-
     cancer and chronic obstructive pulmonary disease in mammal . . .
IT   UPIT 20120404 . . .
     103128-USE; 133806-CL 133806-USE; 93613-CL 93613-USE; 8769-CL . . .
AN.S DCR-133806
CN.P VINORELBINE
SDCN R17804
```

Turn off **SUBSET** searching.

4407 DWPI patent records are retrieved (**L7**).

Display the DWPI patent records with in-context hit structures (**HITSTR**).



STN

When system limits are exceeded during a structure search

1. Ask requestor for a more specific structure
2. Limit the structure search to a SUBSET
   a. Options within DCR
   b. Bibliographic criteria first
      - Antineoplastic agents (A61P003-00/IPC)
      - Basic publication year = 2012 (2012/PY.B)

STN

Perform bibliographic search before the broad structure search

```
=> S A61P0035-00/IPC
L8      79945 A61P0035-00/IPC

=> S L8 AND 2012/PY.B
L9        689 L18 AND 2012/PY.B

=> TRANSFER L9 1- DCR /AN.S
L10         TRANSFER L19 1- DCR :   24140 TI
SEARCH OF L20 IS APPROXIMATELY 17% COMPLETE
. . .
L11       8160 L20/AN.S

=> S L1 SSS FULL SUBSET=L11
FULL SUBSET SEARCH INITIATED 01:49:3
FULL SUBSET SCREEN SEARCH COMPLETED

100.0% PROCESSED     2267 ITERATIONS                    131 ANSWERS
SEARCH TIME: 00.00.01

L12         131 SEA SUB=L11 SSS FUL L1
```

Antineoplastic agents (**L8**).

689 DWPI patent records are retrieved (**L9**).

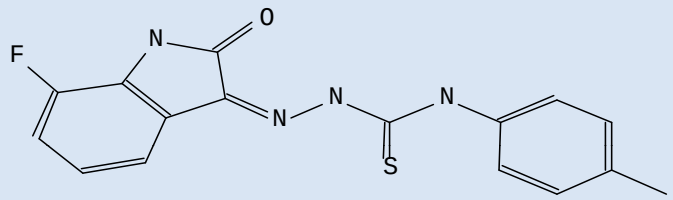
Retrieve all of the substances (**L10**) which were indexed in the DWPI patent records (**L9**).

Perform the broad structure search (**L1**) in the **SUBSET** of structures resulting from the bibliographic search (**L11**).

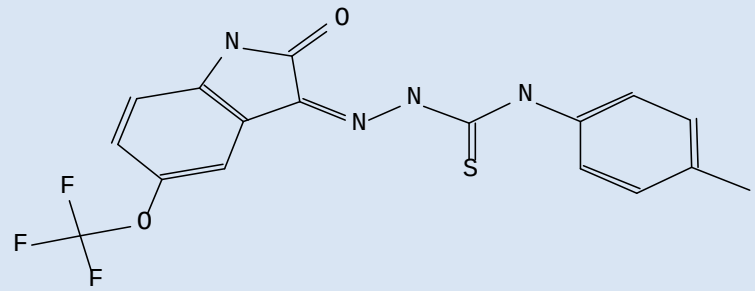
STN

Review some answers using D SCAN

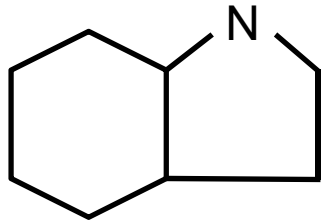
```
=> D SCAN
L12    131  ANSWERS  WPINDEX          COPYRIGHT 2012 THOMSON REUTERS on STN
MF     C16 H13 F N4 O S
```




```
HOW MANY MORE ANSWERS DO YOU WISH T
L12    131  ANSWERS  WPINDEX
MF     C17 H13 F3 N4 O2 S
```



Use the free-of-charge D SCAN format to compare answers to the original general structure:

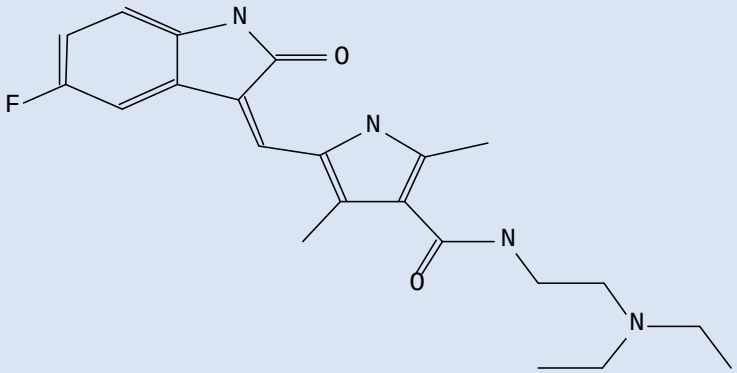


Retrieve and display DWPI patent records

```
=> S L12/DCR
L13          5800 L12/DCR

=> D FULL HIT HITSTR

L13   ANSWER 4 OF 5800  WPINDEX COPYRI
AN    2012-D18159 [201222]   WPINDEX  Full-text
TI    Medical agent useful for treating cancer e.g. gastric cancer and
      stomach cancer, comprises antitumor agent containing protein
      polysaccharide derived from Trametes versicolor and immunosuppressive
      cell inhibitor  . . .
IT    UPIT 20120330
      212522-CL 212522-USE; 95995-CL 95995-USE; 436339-CL 436339-USE; . . .
AN.S DCR-436339
CN.P SUNITINIB
. . .
```

5800 DWPI patent records are retrieved (**L13**).

Display the DWPI patent records with in-context hit structures (**HITSTR**).



STN

Structure searching using DCR

- Overcoming system limits
- Enhanced display formats

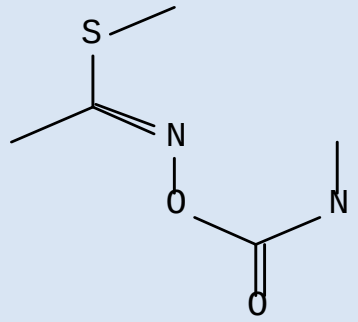
ALLSTR display format

- All specific chemical structures indexed by Thomson Reuters, for a given DWPI record, can now be displayed in one step using the ALLSTR format
- ALLSTR combines all of the DWPI Chemistry Resource (DCR) structures associated with a DWPI bibliographic record into a single unified display
- Additional text data relating to the structures are displayed as well, including the DCR numbers, and any DCR preferred or systematic chemical names
- ALLSTR is a free-of-charge format for DWPI on STN

STN

Example: ALLSTR display format

```
=> S WO2010028012/PN
L1            1 WO2010028012/PN

=> D AN TI ALLSTR

L1   ANSWER 1 OF 1  WPINDEX COPYRIGHT 2012      THOMSON REUTERS on STN
AN   2010-C71770 [201021]   WPINDEX
TI   Protection of plant from phytophagous nematode for reducing crop
     production losses comprises applying nematocide mixture consisting of
     methomyl and neonicotinoids to plant, seed or growing medium

AN.S DCR-72275
CN.P METHOMYL
SDCN R01993
SDRN 1993
```



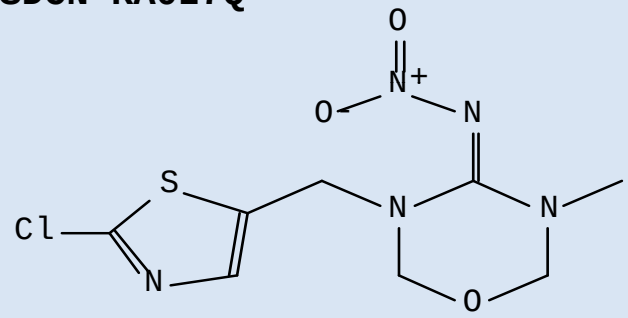

```
. . . .
```

The **ALLSTR** display can be combined with any standard DWPI bibliographic displays, e.g., the Thomson Reuters enhanced title (**TI**).

STN

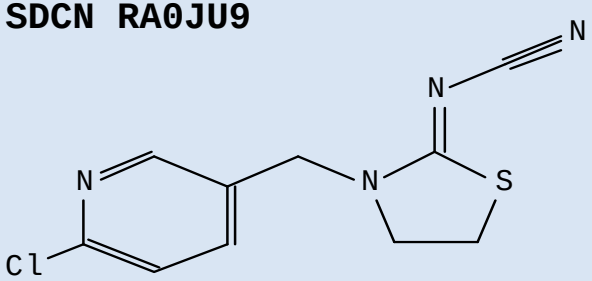
Example: ALLSTR display format (cont.)

```
AN.S DCR-200552
CN.P THIAMETHOXAM
CN.S 3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-
     ylidene(nitro)amine; 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-
     methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine
SDCN RA0I7Q
```



ALLSTR combines all of the DWPI Chemistry Resource (DCR) structures associated with a DWPI bibliographic record, into a single display.

```
AN.S DCR-226531
CN.P THIACLOPRID
CN.S 3-(6-Chloro-pyridin-3-ylmethyl)-thiazolidin-2-ylidene-cyanamide
SDCN RA0JU9
```



STN

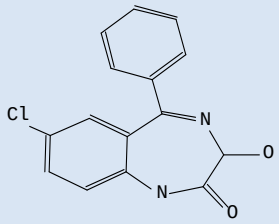
FRAGHITSTR display format

- D FRAGHITSTR displays the corresponding DWPI Chemistry Resource (DCR) HITSTR for any specific compounds retrieved after a fragmentation code search has been conducted
- Ideal for the time period since DCR was introduced (1999 – present), but is also available for 20K+ backfile compounds dating from 1987
- Like HITSTR and ALLSTR, FRAGHITSTR is a free-of-charge display format

STN

Example: FRAGHITSTR display format

```
=> FILE WPIDS

=> S (H641(P)01829(P)P442)/M2
L1             271  (H641(P)01829(P)P442)/M2

=> D TI HIT FRAGHITSTR 3

L1   ANSWER 3 OF 271  WPIDS COPYRIGHT 2012      THOMSON REUTERS on STN
TI Medicament e.g. morphine, for treating diseases e.g. chronic . . .
M2 *10*  D014 D022 D780 G010 G100 H4 H401 H421 H6 H602 H641 H8 . . .
         M781 N103 P442 P444 P448 P510 P517 P633 P816  M905 M904
         RIN: 01829
         DCN: R04819-K R04819-U
         DCR: 102942-K 102942-U
. . .
AN.S DCR-102942
CN.P OXAZEPAM
CN.S 7-Chloro-3-hydroxy-5-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one
SDCN R04819
```



H641 = chloro substituent
01829 = diazepine ring
P442 = anti-convulsant
/M2 = pharma/agrochem

HIT Fragmentation Code paragraph includes the corresponding DCR number for this specific compound.

FRAGHITSTR displays the corresponding DWPI Chemistry Resource (DCR) hit structure (**HITSTR**) for specific compounds retrieved after a fragmentation code search.

STN

New predefined hit display formats

- Relevant portions of the coding are displayed when they include HIT terms
- Selective display of code fields include
  - HITCMC: Hit Chemical Code
  - HITCODE: CMC, EPC, IPC, NCL, FCL, FTERM, MC, PLC, and PLE containing hit terms
  - HITPLC: Hit Polymer Coding (Plasdoc)
  - HITPLE: Hit Polymer Indexing Enhanced
- Enter **HELP FORMATS** at the command prompt (=>) in WPINDEX, WPIDS, or WPIX for details

STN

Agenda

- General tips
- Remember the Members!
- Numeric property search
- DCR structure searching
- Current awareness searching

Current awareness searches

- Stay up-to-date with general R&D trends and your competitor's specific patenting activities
- Monitor your competitor's patent families, e.g., tracking when US or EP patents are granted
- Watch for potential infringement of your employer's intellectual property rights
- Current awareness search = Alert = profile = Selective Dissemination of Information (SDI)

STN

Using SDIs

- Setting up automatic SDIs
- Updating SDIs
- Using LINKED SDIs

To learn more, view the recorded e-seminar at http://www.stn-international.com/stn_dwpi.html.

STN

Set up an automatic SDI after perfecting the search strategy (L2)

```
=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END):L2
ENTER UPDATE FIELD CODE (UP), ED, UPP, UPAB, UPCR, EDCR, UPWX, UPB, UPKW, UPA,
UPTC, UPEQ OR ?:.
ENTER SDI REQUEST NAME, (AA001/S), OR END:PARACHUTE/S
ENTER COST CENTER (NONE) OR NONE:.
ENTER TITLE (NONE):POWERED PARACHUTES
ENTER METHOD OF DELIVERY (EMAIL), ONLINE OR RSS:EMAIL
ENTER EMAIL ID (14K):JIM.BROWN@FIZ-K.COM
JIM.BROWN@FIZ-K.COM
RECEIVE DELIVERY NOTIFICATION? (Y)/N:Y
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN?  Y/(N):Y
ENTER PRINT FORMAT (STD) OR ?:ALLG.H
HIGHLIGHT HIT TERMS? (Y)/N:Y
ARCHIVE ANSWERS? Y/(N):N
REDISTRIBUTE ANSWERS? Y/(N):N
ENTER MAXIMUM NUMBER OF HITS TO BE PRINTED PER RUN (100):25
SORT SDI ANSWER SET (N)/Y?:N
SEND SDI WITH NO ANSWERS? (Y)/N:Y
ENTER SDI RUN FREQUENCY - WEEKLY, (EVERYUPDATE), MONTHLY, OR ?:MONTHLY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):.
QUERY L2 HAS BEEN SAVED AS SDI REQUEST 'PARACHUTE/S'
```

To set up an automatic SDI, enter SDI at the prompt.

STN

Setting up an automatic SDI

```
=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END):L2
ENTER UPDATE FIELD CODE (UP), ED, UPP, UPAB, UPCR, EDCR, UPWX, UPB, UPKW, UPA,
UPTC, UPEQ OR ?:.
ENTER SDI REQUEST NAME, (AA001/S), OR END:PARACHUTE/S
ENTER COST CENTER (NONE) OR NONE:.
ENTER TITLE (NONE):POWERED PARACHUTES
ENTER METHOD OF DELIVERY (EMAIL), ONLINE OR RSS:
ENTER EMAIL ID (14K):JIM.BROWN@FIZ-K.COM
JIM.BROWN@FIZ-K.COM
RECEIVE DELIVERY NOTIFICATION? (Y)/N:Y
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI
ENTER PRINT FORMAT (STD) OR ?:ALLG.H
HIGHLIGHT HIT TERMS? (Y)/N:Y
ARCHIVE ANSWERS? Y/(N):N
REDISTRIBUTE ANSWERS? Y/(N):N
ENTER MAXIMUM NUMBER OF HITS TO BE PRINTED PER RUN (100):25
SORT SDI ANSWER SET (N)/Y?:N
SEND SDI WITH NO ANSWERS? (Y)/N:Y
ENTER SDI RUN FREQUENCY - WEEKLY, (EVERYUPDATE), MONTHLY, OR ?:MONTHLY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):.
QUERY L2 HAS BEEN SAVED AS SDI REQUEST 'PARACHUTE/S'
```

The system will ask a series of questions. The default answers are in parantheses (). To accept the default answer, simply type in a period. Otherwise, use one of the other options available.

STN

Setting up an automatic SDI (cont.)

```
=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END):L2
ENTER UPDATE FIELD CODE (UP), ED, UPP, UPAB, UPCR, EDCR, UPWX, UPB, UPKW, UPA,
UPTC, UPEQ OR ?:.
ENTER SDI REQUEST NAME, (AA001/S), OR END:PARACHUTE/S
ENTER COST CENTER (NONE) OR NONE:.
ENTER TITLE (NONE):POWERED PARACHUTES
ENTER METHOD OF DELIVERY (EMAIL), ONLINE OR RSS:EMA
ENTER EMAIL ID (14K):JIM.BROWN@FIZ-K.COM
JIM.BROWN@FIZ-K.COM
RECEIVE DELIVERY NOTIFICATION? (Y)/N:Y
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN?  Y/(N):Y
ENTER PRINT FORMAT (STD) OR ?:ALLG.H
HIGHLIGHT HIT TERMS? (Y)/N:Y
ARCHIVE ANSWERS? Y/(N):N
REDISTRIBUTE ANSWERS? Y/(N):N
ENTER MAXIMUM NUMBER OF HITS TO BE PRINTED PER RUN (100):25
SORT SDI ANSWER SET (N)/Y?:N
SEND SDI WITH NO ANSWERS? (Y)/N:Y
ENTER SDI RUN FREQUENCY - WEEKLY, (EVERYUPDATE), MONTHLY, OR ?:MONTHLY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):.
QUERY L2 HAS BEEN SAVED AS SDI REQUEST 'PARACHUTE/S'
```

In this example, a record will only be seen once.

STN

Automatic SDI email notification

STN Results: POWERED PARACHUTES

14K@stnk.fiz-karlsruhe.de

Sent: Sat 7/23/2011 5:13 AM

To: Brown, Jim

Your STN results are just a click away. STN brings you more electronic delivery options than ever. Delivering sci-tech information as you like it, STN is proud to be your choice for the most current and timely information available.

Click on a link below to retrieve your results:

Title: **POWERED PARACHUTES**
Reference Number: **AJ00106K**
Number of Answers: **1**
File Name: **WPINDEX**
SDI Name: **PARACHUTE/S**
SDI Run Number: **046**
SDI Run Date: **JUL 22, 2011**

1. RTF (Rich Text Format)
2. PDF (Adobe Portable Document Format)
3. Self-extracting or Zipped HTML (Hypertext Markup Language)
4. Plain Text (ASCII)

In this example, the RTF option was chosen.

All formats except Plain Text *include images.*

Links will expire 90 days from the date this message was sent. Be sure to save your results.

If you have any questions regarding these options or require assistance retrieving your results, please contact the Help Desk.

STN® - *Your Connection to Science and Technology*

Which DWPI update code?

Search field	Use when searching for
/ED	New records = new basic patents
/UPP	New records or equivalent patents
/UP	Any updates, changes or corrections

UPP can be linked with search terms using the **(P)** operator.

STN

Using SDIs

- Setting up automatic SDIs
- Updating SDIs
- Using LINKED SDIs

STN

Review existing SDIs

```
=> D SAVED/S
NAME             CREATED      NOTES/TITLE
-------------    ----------   -------------
PARACHUTE/S      07 JUL 2011  SDI REQUEST FOR FILE WPINDEX
                              POWERED PARACHUTES

=> D PARACHUTE/S
NAME             CREATED      NOTES/TITLE
-------------    ----------   -----------------------------------
PARACHUTE/S      07 JUL 2011  SDI REQUEST FOR FILE WPINDEX
                              POWERED PARACHUTES
COST CENTER                   NONE
UPDATE QUALIFIER              UP
METHOD OF DELIVERY            EMAIL
EMAIL ID(S)                   JIM.BROWN@FIZ-
NOTIFICATION                  YES
PRINT FORMAT                  ALLG.H
MAXIMUM NUMBER OF HITS
   TO BE PRINTED              25
HIGHLIGHTING                  YES
DUPLICATE ELIMINATION         YES
PRINT FILE BACKGROUND         NO
SEND SDI WITH NO ANSWERS      YES
SDI RUN FREQUENCY             MONTHLY
DISPLAY QUERY WITH RESULTS    YES
```

To see a complete list of SDIs, use the command **D SAVED/S**.

To see the particulars for a specific SDI, use the command **D *SDIName*/S**. In this example, the specific SDI name is PARACHUTE.

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Editing an existing SDI

```
=> SDI EDIT
ENTER SDI NAME TO BE EDITED OR (END):PARACHUTE/S
    PARAMETER                    SETTING
    ---------------------------- ------------
    SDI Name and Creation Date   PARACHUTE/S
                                 SDI REQUEST F
  1 Title                        POWERED PARAC
  2 Cost Center                  NONE
  3 Update Qualifier             UP
  4 Method of Delivery           EMAIL
  5 Email ID(s)                  JIM.BROWN@FIZ-K.COM
  6 Maximum Hits to be Printed   25
  7 Print Format                 ALLG.H
  8 SDI Sort Parameters          NOT SPECIFIED
. . .
 14 Duplicate Elimination        YES
 15 Display Query with Results   YES
 16 SDI Run Frequency            MONTHLY
 17 SDI Expiration Date          NOT SPECIFIED
    ------------------------------------------------------------
 18 L1    QUE   SPE=ON  ABB=ON  PLU=ON POWER? PARACHUTE?
 19 L2    QUE   SPE=ON  ABB=ON  PLU=ON L1 OR (B64C0037-00+NT/IPC,EPC AND
                PARACHUTE?)
ENTER LINE NUMBER(S) FOR CHANGE, END, OR (?):16
ENTER SDI RUN FREQUENCY - WEEKLY, (EVERYUPDATE), MONTHLY, OR ?:EVERYUPDATE
```

To edit an existing SDI, use the command **SDI EDIT**. Then select the specific SDI and finally the parameter you wish to edit.

STN

Using SDIs

- Setting up automatic SDIs
- Updating SDIs
- Using LINKED SDIs

STN

Patent family linked SDIs

- Patent family SDIs for tracking any document type additions can be set-up using UPP
- Alternatively specific document type additions to families can be tracked using linked SDIs

=> QUERY terms of interest (P) UPP/LAST

Example: QUE USB#/PK (P) UPP/LAST

=> SDI

Update code: UPP (or UP)

Eliminate previously seen answers: NO

STN

Patent family linked SDIs (cont.)

```
=> QUE DUPO/PACO AND (USB# OR EPB#)/PK (P) UPP/LAST
L1   QUE DUPO/PACO AND (USB# OR EPB#)/PK (P) UPP/LAST

=> SDI
ENTER QUERY L# FOR SDI REQUEST OR (END):L1
ENTER UPDATE FIELD CODE (UP) OR ?:UPP
ENTER SDI REQUEST NAME, (AA001/S), OR END: DUPONT/S
ENTER COST CENTER (NONE) OR NONE: LEGAL
ENTER TITLE (NONE): DUPONT US & EP GRANTED
ENTER METHOD OF DELIVERY (OFFLINE), ONLINE, OR EMAIL: EMAIL
ENTER EMAIL ID (4400K): PETER.SMITH@ABC.COM
PETER.SMITH@ABC.COM
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN?  Y/(N):N
ENTER PRINT FORMAT (STD) OR ?: BIB
HIGHLIGHT HIT TERMS? (Y)/N:.
ENTER MAXIMUM NUMBER OF HITS TO BE PRINTED PER RUN (100):.
. . . .
ENTER SDI RUN FREQUENCY - WEEKLY, (EVERYUPDATE), MONTHLY, OR ?:WEEKLY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):.
QUERY L3 HAS BEEN SAVED AS SDI REQUEST 'DUPONT/S'
```

Example: monitor US and EP patents being granted to DuPont.

Important!!

STN

Patent family linked SDIs (cont.)

```
L2   ANSWER 9 OF 32  WPINDEX COPYRIGHT 2012
AN   2011-J83110 [201152]   WPINDEX  Full-te
TI   Catalytic converter bed integrated exha
     system of e.g. internal combustion engi
     gas exiting engine in e.g. vehicle, has adapters and muffler body
     forming sealed internal chamber
DC   A28; A88; H06; J04; Q19; Q51
IN   JONES D P; MAURER K P
PA   (DUPO-C) DU PONT DE NEMOURS&CO E I
CYC  113
PIA  US 20110186376  A1 20110804 (201152)*
     WO 2011097207   A2 20110811 (201153)
     WO 2011097207   A3 20111229 (201203)
     US 8146708      B2 20120403 (201224)  EN
ADT  US 20110186376 A1 US 2011-13017 20110125; US 20110186376 A1
     Provisional US 2010-300499P 20100202; WO 2011097207 A2 WO 2011-US23302
     20110102; WO 2011097207 A3 WO 2011-US23302 20110102; US 8146708 B2
     Provisional US 2010-300499P 20100202; US 8146708 B2 US 2011-13013017
     20110125
PRAI US 2011-13017        20110125
     US 2010-300499P      20100202
```

In this SDI run, 32 DuPont families have been updated with an EP patent and/or US patent.

In this example, a US patent was added in the most recent DWPI database update (DW 201224).

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The linked SDI gives more precise answers

Linked SDI:

S DUPO/PACO and (EPB# OR USB#)/PK **(P) UPP/LAST**

SDI update code: UPP

SDI results for run 3:

32 answer sets

Normal SDI:

S DUPO/PACO and (EPB# OR USB#)/PK

SDI update code: UPP

SDI results for run 3:

69 answer sets

Match from linked SDI.

```
ANSWER 10 OF 32  WPINDEX COPYRIGHT 2012
PIA  US 20100303762   A1 20101202 (201102)* EN   80[10]
     US 8148510       B2 20120403 (201224)  EN                    <--
```

False drop from normal SDI.

```
ANSWER 3 OF 69  WPINDEX COPYRIGHT 2012
PIA US 20100261849   A1 20101014 (201073)* EN   5[0]
     WO 2010120745    A1 20101021 (201073)  EN
     US 7964001       B2 20110621 (201140)  EN                    <--
     EP 2419476       A1 20120222 (201214)  EN
     CN 102388097     A  20120321 (201224)  ZH                    <--
```

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Summary

- Remember the Members!
  - English language translations of Asian documents
  - Display formats (MEMBB, MEMBF, HITMEMB)
- Enhanced numeric property search
  - Captured from both Invention and Members level
  - Includes Dosage (DOS) and PPM (PER)
- DCR structure searching
  - Available to all DWPI users
  - SUBSET command overcomes system limits
- Increase precision of SDIs using Linked SDIs

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Additional Resources

- Recorded e-seminars

  http://www.stn-international.com/recorded_events.html

  – Introduction to the Derwent World Patents Index (DWPI)
  – Structure Searching in DWPI Chemistry Resource (DCR)
  – Setting up SDIs in the Derwent databases on STN
  – Search for key patents in DPCI

- DWPI resources and reference materials

  www.stn-international.com/stn_dwpi.html

STN

For more information …

CAS
E-mail: help@cas.org
Support and Training:
www.cas.org

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

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