Agenda

• General tips
• Remember the Members!
• Numeric property search
• DCR structure searching
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.
Agenda

- General tips
- Remember the Members!
- Numeric property search
- DCR structure searching
What are the members?

• DWPI records 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
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

**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](http://www.stn-international.com/dwpi_table.html)
The DWPI default Basic Index (/BI) is formed from value-added text fields.

<table>
<thead>
<tr>
<th>AN</th>
<th>1999-265576</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI</td>
<td>EP913216 A1</td>
</tr>
<tr>
<td></td>
<td>CA2251524 A1</td>
</tr>
<tr>
<td></td>
<td>CN1219449 A</td>
</tr>
<tr>
<td>...</td>
<td></td>
</tr>
</tbody>
</table>

**Basic Index**

**/BI**

**Basic Index Extension**

**/BIEX**

**invention level**

- value-added text
- Title, Abstract

**member level**

- original text
- Title, Abstract, Claim(s)

- MEMBER 1
  - EP913216 A1

- MEMBER 2
  - CA2251524 A1

- MEMBER 3
  - CN1219449 A
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**)

STN
Text searching in the members level – Asian patents

Search Question

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

Note: this example is designed 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.
Search in the DWPI Basic Index (BI)

=> FILE WPINDEX

=> S (JP OR CN OR KR)/PC (P) 2012/PY
L1  1159837 (JP OR CN OR KR)/PC (P) 2012/PY

=> S L2 AND ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR CYTOSTATIC
L2  105155 L1 AND ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR CYTOSTATIC

=> D SCAN

L2  105155 ANSWERS WPINDEX COPYRIGHT 2012 THOMSON REUTERS on STN

TI  New polynucleotide comprising sequence encoding chimeric protein containing cytoplasmic domain of T cell costimulatory receptor of tumor necrosis factor receptor family, useful in preparation of activated T cells for treatment of cancer

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

... Review DWPI enhanced titles with D SCAN.

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.
Add the DWPI Basic Index Extension (BIEX) - Increase comprehensiveness

=> SET SFIELDS BI BIEX
SET COMMAND COMPLETED

=> S L2
L3 105437 L1 AND ANTI?/BI,BIEX (IT) (?CANCER?/BI,BIEX
OR ?TUMOR?/BI,BIEX OR ?NEOPLAS?/BI,BIEX) OR
CYTOSTATIC/BI,BIEX

=> S L3 NOT L2
L4 282 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.
Sample record:
Applicant title, abstract and claims

Use of beta3 adrenaline receptor inhibitor for e.g. adjusting and controlling Sirtuin 1, mammalian target of rapamycin and protein 53 signal path; preparing Sirtuin-1/3/4 inhibitor and preparing medicine for treating diseases such as cancer

The invention claims the use of beta3 adrenaline receptor inhibitor and siRNA of targeted beta3 adrenaline receptor gene. A lot of experiments show that the beta3 adrenaline receptor is the important factor for adjusting and controlling the SIRT1, mTOR and p53, so...

[CLAIM 1] The use of beta3 adrenaline receptor for adjusting and controlling the SIRT1, mTOR and p53 signal path.

[CLAIM 2] The use of beta3 adrenaline receptor inhibitor for...
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 4, 2008
Focus on patent claims (CLM) only – Increase precision

=> S L1 (L) (ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR CYTOSTATIC)/CLM

L5 787 L1 (L) (ANTI? (1T) (?CANCER? OR ?TUMOR? OR ?NEOPLAS?) OR CYTOSTATIC)/CLM

=> D BIB CLM 1-10

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

Invention display, BIB.

L5 ANSWER X OF 787 WPINDEX COPYRIGHT 2012

TI Culture medium useful for cultivating functional mushroom e.g. Flammulina velutipes used for producing glycoside extract and stimulating immunity and preventing and/or treating tumor, comprises herbal residues

IN LEE S W; PARK K W; SEO K I; YEE S T

PA (UYSU-N) UNIV SUNCHON NAT IND ACAD COOP CORPS

CYC 1

PIA KR 2012095753 A 20120829 (201266)* KO 22[13]

ADT KR 2012095753 A KR 2011-15264 20110221

PRAI KR 2011-15264 20110221

(Cont . . .)
[CLAIM 1] The culture medium for functional mushroom the mycobiota cultivation wherein as to the culture medium for the mushroom mycobiota cultivation, the dried lung cold room sludge of the particle size 50 through 150 mesh is contained to the medium component to the culture medium dry weight standard with 5 through 15 weight%; the pH is 6.5 through 6.8 after sterilization; the percentage of water content is 64 through 68%; and the immunostimulating activity and anti-tumor agent of the cultivated mushroom are strengthened.

[CLAIM 2] As for claim 1, the culture medium for functional mushroom the mycobiota cultivation, wherein the mushroom is the Flammulina velutipes, and the Lentinus edodes or the Cervi Cornu mushroom.

[CLAIM 3] As for claim 1, the mushroom cultivation use Full claims of Korean patents, applications and utility models.

Tip: The member data (i.e., CLM) is free when displayed simultaneously with invention data (i.e., BIB):
=> D BIB CLM
[CLAIM 1] An anticancer drug, wherein the drug is prepared by using traditional Chinese medicine raw materials, the components and the mixing ratio by weight are as follows: 30-100 parts of codonopsis pilosula, 20-40 parts of fructus ligustri lucidi, 20-40 parts of orange peel, 30-50 parts of chrysanthemum, 10-20 parts of paris polyphylla, 20-30 parts of dandelion, 15-25 parts of patrinia, 15-25 parts of snakeskin, 30-45 parts of schizonepeta, 15-25 parts of safflower, 3-11 parts of potentilla discolor, and 0.2-0.8 part of fructus forsythia.
Taxane anticancer agent sensitivity determination method of cancer cell involves determining sensitivity to taxane anticancer agent being high when expression level of glutathione-S-transferase pi is larger than threshold value.

The taxane anticancer agent sensitivity determination method of the cancer cell which has the determination process determined as the sensitivity with respect to the taxane anticancer agent of the said cancer cell being high when the expression level of GST(pi) in the biological sample containing a cancer cell is larger than a threshold value.
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)
More comprehensive company search (AG)

=> S SYNGENTA/PA,AG OR SYGN/PACO
L1 2330 SYNGENTA/PA,AG OR SYGN-C/PACO

=> D BIB MEMB
L1 ANSWER X OF 2330 WPINDEX COPYRIGHT 2012 THOMSON
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]
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 . . .
(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)

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

BASF (BADI-C) is the patent assignee for the Japanese family member.
This BASF DWPI record would NOT be retrieved . . .

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

The members level specifies that the patent assignee for the JP publication is Nippon RM, not BASF.
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 2114 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
...
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.
Agenda

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

• Now available in 17 databases on STN, including CNFULL, JPFULL, CANPATFULL, AUPATFULL, PCTFULL and MOBILITY
• Over 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

Numeric property search fields and base units: [http://www.stn-international.com/pctfull_nps.html](http://www.stn-international.com/pctfull_nps.html)
Enhanced numeric property search in DWPI

- More than **1,800** original unit variants indexed
- Over **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**

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...

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.
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.

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

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.
Search example: Reaction time (cont.)

=> S REACT? TIME/ADV (5A) TIM.EX<2 HOURS
L5  104 REACT? TIME/ADV (5A) TIM.EX<2 HOURS

=> S L4 NOT L5
L6  11 L4 NOT L5

=> D KWIC 1-11

L6 ANSWER ... OF 11 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 11 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 may help focus the search even further.

Open range hits are not always relevant (L6).
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, we will use the various DWPI Chemistry Resource (DCR) chemical names (/CN) for cisplatin (E1-E40).
PHARMACEUTICALS - Preferred Components: The dosage quantities of each ingredient 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.

ABEX  ADMINISTRATION - Administration of the cisplatin is 10 mg/kg, intraperitoneally or orally. Administration of the NK1 receptor antagonist is intravenous.

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..  .  .
Agenda

• General tips
• Remember the Members!
• Numeric property search
• DCR structure 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

23,500,000+ patent records
2,000,000+ substance records

DCR
DWPI Chemistry Resource (DCR)

- For each specific chemical substance a DCR record is created with a unique DCR number
  - Basic compound
  - Salts, isotopes, mixtures, 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
**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
FI  JP 2005060471 A 20050310 (200523)* JA 10[2]   CO8J0011-12
ADT  JP 2005060471 A JF 2003-290004 20030808
PFAI  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-FRD; 368-CL 368-FRD

**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; CAJEPETENE; CINEENE; DIFENETENE; 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
DCR numbers form the connection between substance and patent records

WPINDEX/ WPIDS/ WPIX

Bibliographic segment
Patent families, titles, abstracts & indexing

/DCR

Substance segment
Structures and substance data

/AN.S

(DWPI)

(DCR)
Structure searching using DCR

- Overcoming system limits
- Enhanced display formats
Searching for simple structures in DCR

Search Question

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.
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 using STN Express query preparation.

=>  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?
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
Options to limit search within DCR

- **Molecular Formula (MF)**
  - E.g.: C6 H11 Br O2 . Na

- **Element Symbol (/ELS)**
  - E.g.: => S BR/ELS

- **Element Symbol Count (/ELS.CNT)**
  - E.g.: => S O 2-3/ELS.CNT

- **Classification Codes (/CC)**
  - E.g.: => 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).
Review some answers using D SCAN

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 SCAN format to compare answers to the original general structure:

HOW MANY MORE ANSWERS DO YOU WISH

CN.S 1-Oxy-1,7b-diaza-benzo[e]acephenanthrylen-8-one;

MF   C18 H10 N2 O2
New quinazoline compound used in pharmaceutical composition or preparing medicaments for treating hyperplasia disease, cancer, non-cancer and chronic obstructive pulmonary disease in mammal...
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 \((2012/PY.B)\)
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 TERMS
SEARCH OF L20 IS APPROXIMATELY 17% COMPLETE...
L11 8160 L20/AN.S

=> S L1 SSS FULL SUBSET=L11
FULL SUBSET SEARCH INITIATED 01:49:35 FILE 'WPINDEX'
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).
Review some answers using D SCAN

Use the free-of-charge 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 COPYRIGHT
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).
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

• DCR structure searching
  – Available to all DWPI users
  – SUBSET command overcomes system limits
Additional Resources

• Recorded e-seminars
  http://www.stn-international.com/recorded_events.html

• DWPI resources and reference materials
  www.stn-international.com/stn_dwpi.html