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**Subject Coverage** All patent-relevant areas of science and technology. The start of coverage varies by both subject matter and patent authority:

- Pharmaceuticals: 1963
- Plastics and polymers: 1966
- Mechanical, electrical, and general technology: 1974
- Agricultural chemicals: 1965
- All other chemistry and general technology: 1970

**File Type** Bibliographic

**Features**

Thesauri European Patent Classification (/EPC), F-Term (/FTERM), FI-Term (/FCL), ICO (in-computer-only) Classification (/ICO), International Patent Classification (/IPC), Cooperative Patent Classification (/CPC), Manual Code (/MC), Polymer Indexing Enhanced (/PLE), Title Terms (/TT), and US National Patent Classification (/NCL). There is a thesaurus-like feature in the Compound Number (/DCN), Registry Number (/DRN), Patent Assignee Code (/PACO), and Plasdac Key Serials (/KS)

[Alerts \(SDIs\)](#) Monthly, weekly, or with each update (1-2 updates per week) (every update is the default)

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**Record Content** Bibliographic Records

- Patent family data available for each bibliographic record:
  - Basic patent
  - Equivalent (information about the same invention issued in other countries)
- Invention Level: bibliographic data and Clarivate Analytics (UK) Limited value-added titles, abstracts, general and (where appropriate) in-depth chemical and electrical indexing. Electrical, engineering drawings and chemical structure drawings. Data from the individual member patents is collated and de-duplicated.
- Member Patent Level (Publication Level): bibliographic data, equivalent abstracts and general indexing information associated with individual documents in the patent family. Additional first-level elements comprise author titles and abstracts, claims, original inventor, patent assignee and agent information including addresses.
- The Invention and Member Patent Levels can be searched individually or in combination.
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- Numeric values of 55 physical and chemical properties in almost 400 unit variants are searchable in all English text fields (titles, abstracts, claims).

Structure Records

- Structure searchable chemical repository including substance identification and indexing linked to the corresponding bibliographic records

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| <b>File Size</b>                              | More than 39.8 million records with more than 28.8 million images (03/2019)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| <b>Coverage</b>                               | <ul style="list-style-type: none"> <li>• 1963-present</li> <li>• Electrical and engineering drawings: 1988-present</li> <li>• Chemical structure drawings 1992-present</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| <b>Updates</b>                                | Updated twice a week with about 40,000 new records (Basic Patents), about 60,000 Equivalents, Polymer and Chemical Coding, and about 34,000 images (technical drawings and chemical structure drawings)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| <b>Language</b>                               | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| <b>Database Producer</b>                      | <p>Clarivate Analytics (UK) Limited<br/>         Friars House, 160 Blackfriars Rd.<br/>         London SE1 8EZ<br/>         United Kingdom</p> <p>Copyright Holder: Clarivate Analytics</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| <b>Sources</b>                                | <p>Patent documents are covered from:</p> <table border="0"> <tr> <td>Argentina (1975)*</td> <td>Kyrgyzstan (2002-present)**</td> </tr> <tr> <td>Armenia (2002-present)**</td> <td>Luxembourg (1984-present)</td> </tr> <tr> <td>Australia (1963-69,1983-pres.)</td> <td>Malaysia (2005-present)</td> </tr> <tr> <td>Austria (1975-present)</td> <td>Mexico (1997-present)</td> </tr> <tr> <td>Belarus (2002-present)**</td> <td>Moldova (2002-present)**</td> </tr> <tr> <td>Belgium (1963-present)</td> <td>Netherlands (1963-present)</td> </tr> <tr> <td>Brazil (1976-present)</td> <td>New Zealand (1993-present)</td> </tr> <tr> <td>Canada (1963-present)</td> <td>Norway (1974-present)</td> </tr> <tr> <td>China (1987-present)</td> <td>PCT (WIPO) (1978-present)</td> </tr> <tr> <td>Czech Republic (1994-present)</td> <td>Philippines (1994-present)</td> </tr> <tr> <td>Czechoslovakia (1975-1994)*</td> <td>Poland (2011-present)</td> </tr> <tr> <td>Denmark (1974-present)</td> <td>Portugal (1974-present)</td> </tr> <tr> <td>Eurasien Patent Organization (2002-present)**</td> <td>Rep. of Korea (1986-present)</td> </tr> <tr> <td>European Pat. Off. (1978-present)</td> <td>Romania (1975-present)</td> </tr> <tr> <td>Finland (1974-present)</td> <td>Russian Federation (1994-present)</td> </tr> <tr> <td>France (1963-present)</td> <td>Singapore (1995-present)</td> </tr> <tr> <td>Georgia (2002-present)**</td> <td>Slovakia (1994-present)</td> </tr> <tr> <td>Germany (1963-present)</td> <td>South Africa (1963-present)</td> </tr> <tr> <td>Germany (Utility Models) (1995-present)</td> <td>Soviet Union (1963-1994)*</td> </tr> <tr> <td>German (Dem. Rep.) (1963-1990)</td> <td>Spain (1983-present)</td> </tr> <tr> <td>Gulf Cooperation Council (2011-present)</td> <td>Sweden (1974-present)</td> </tr> <tr> <td>Hong Kong (2011-present)</td> <td>Switzerland (1963-present)</td> </tr> <tr> <td>Hungary (1975-present)</td> <td>Taiwan (1993-present)</td> </tr> <tr> <td>India (2004-present)</td> <td>Tajikistan (2002-present)**</td> </tr> <tr> <td>Indonesia (2010-present)</td> <td>Thailand (2010-present)</td> </tr> <tr> <td>Ireland (1963-69,1995-pres.)</td> <td>Turkey (2015-present)</td> </tr> <tr> <td>Israel (1975-present)</td> <td>United Kingdom (1963-present)</td> </tr> <tr> <td>Italy (1966-69,1978-present)</td> <td>United States (1963-present)</td> </tr> <tr> <td>Japan (1963-present)</td> <td>Uzbekistan (2002-present)**</td> </tr> <tr> <td>Kazakhstan (2002-present)**</td> <td>Vietnam (2010-present)</td> </tr> </table> | Argentina (1975)* | Kyrgyzstan (2002-present)** | Armenia (2002-present)** | Luxembourg (1984-present) | Australia (1963-69,1983-pres.) | Malaysia (2005-present) | Austria (1975-present) | Mexico (1997-present) | Belarus (2002-present)** | Moldova (2002-present)** | Belgium (1963-present) | Netherlands (1963-present) | Brazil (1976-present) | New Zealand (1993-present) | Canada (1963-present) | Norway (1974-present) | China (1987-present) | PCT (WIPO) (1978-present) | Czech Republic (1994-present) | Philippines (1994-present) | Czechoslovakia (1975-1994)* | Poland (2011-present) | Denmark (1974-present) | Portugal (1974-present) | Eurasien Patent Organization (2002-present)** | Rep. of Korea (1986-present) | European Pat. Off. (1978-present) | Romania (1975-present) | Finland (1974-present) | Russian Federation (1994-present) | France (1963-present) | Singapore (1995-present) | Georgia (2002-present)** | Slovakia (1994-present) | Germany (1963-present) | South Africa (1963-present) | Germany (Utility Models) (1995-present) | Soviet Union (1963-1994)* | German (Dem. Rep.) (1963-1990) | Spain (1983-present) | Gulf Cooperation Council (2011-present) | Sweden (1974-present) | Hong Kong (2011-present) | Switzerland (1963-present) | Hungary (1975-present) | Taiwan (1993-present) | India (2004-present) | Tajikistan (2002-present)** | Indonesia (2010-present) | Thailand (2010-present) | Ireland (1963-69,1995-pres.) | Turkey (2015-present) | Israel (1975-present) | United Kingdom (1963-present) | Italy (1966-69,1978-present) | United States (1963-present) | Japan (1963-present) | Uzbekistan (2002-present)** | Kazakhstan (2002-present)** | Vietnam (2010-present) |
| Argentina (1975)*                             | Kyrgyzstan (2002-present)**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Armenia (2002-present)**                      | Luxembourg (1984-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Australia (1963-69,1983-pres.)                | Malaysia (2005-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Austria (1975-present)                        | Mexico (1997-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Belarus (2002-present)**                      | Moldova (2002-present)**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Belgium (1963-present)                        | Netherlands (1963-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Brazil (1976-present)                         | New Zealand (1993-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Canada (1963-present)                         | Norway (1974-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| China (1987-present)                          | PCT (WIPO) (1978-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Czech Republic (1994-present)                 | Philippines (1994-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Czechoslovakia (1975-1994)*                   | Poland (2011-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Denmark (1974-present)                        | Portugal (1974-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Eurasien Patent Organization (2002-present)** | Rep. of Korea (1986-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| European Pat. Off. (1978-present)             | Romania (1975-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Finland (1974-present)                        | Russian Federation (1994-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| France (1963-present)                         | Singapore (1995-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Georgia (2002-present)**                      | Slovakia (1994-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Germany (1963-present)                        | South Africa (1963-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Germany (Utility Models) (1995-present)       | Soviet Union (1963-1994)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| German (Dem. Rep.) (1963-1990)                | Spain (1983-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Gulf Cooperation Council (2011-present)       | Sweden (1974-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Hong Kong (2011-present)                      | Switzerland (1963-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Hungary (1975-present)                        | Taiwan (1993-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| India (2004-present)                          | Tajikistan (2002-present)**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Indonesia (2010-present)                      | Thailand (2010-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Ireland (1963-69,1995-pres.)                  | Turkey (2015-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Israel (1975-present)                         | United Kingdom (1963-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Italy (1966-69,1978-present)                  | United States (1963-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Japan (1963-present)                          | Uzbekistan (2002-present)**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |
| Kazakhstan (2002-present)**                   | Vietnam (2010-present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                             |                          |                           |                                |                         |                        |                       |                          |                          |                        |                            |                       |                            |                       |                       |                      |                           |                               |                            |                             |                       |                        |                         |                                               |                              |                                   |                        |                        |                                   |                       |                          |                          |                         |                        |                             |                                         |                           |                                |                      |                                         |                       |                          |                            |                        |                       |                      |                             |                          |                         |                              |                       |                       |                               |                              |                              |                      |                             |                             |                        |

Additional Sources are:

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**Sources  
(cont.)**

Additional first level data elements such as original titles and abstracts, claims, inventor, assignee and agent information and addresses may be present at the Member Patent Level as follows:

- Australia (2004-present)
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## Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (\*).

### General Search Fields

| Search Field Name                                                                                                                              | Search Code           | Search Examples                                                                                      | Display Codes                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Basic Index* (contains single words from AB, ABDT, ABEQ, ABEX, ACTN, ACTV, ADV, ALE, DETD, DRWD, NOV, TECH, TI, TT, UADV, and USE) <b>(18)</b> | None or /BI (or /BIX) | S DRILLING FLUID AND EMULS?<br>S ?PHENYLEETHER?<br>S #####DIPHENYLEETHER<br>S ULCER TREATMENT(L)ORAL | AB, ABDT,<br>ABEQ, ABEX,<br>ACTN, ACTV,<br>ADV, ALE,<br>DETD, DRWD,<br>NOV, TECH,<br>TI, TT, UADV,<br>USE |
| Abstract *(contains value-added data) <b>(18)</b>                                                                                              | /AB                   | S OSTEOGENIC PROTEIN?/AB                                                                             | AB                                                                                                        |
| Abstract, Documentation Type <b>(1)</b>                                                                                                        | /ABDT                 | S (DNA AND PROTEIN)/ABDT                                                                             | ABDT                                                                                                      |
| Abstract, Documentation Type, Activity <b>(1)</b>                                                                                              | /ABDT.ACTV            | S ?AGONIST?/ABDT.ACTV                                                                                | ABDT                                                                                                      |
| Abstract, Documentation Type, Administration <b>(1)</b>                                                                                        | /ABDT.ADM             | S ORAL/ABDT.ADM                                                                                      | ABDT                                                                                                      |
| Abstract, Documentation Type, Advantage <b>(1)</b>                                                                                             | /ABDT.ADV             | S (STRENGTH AND (INCREAS? OR RIS? OR GAIN?))/ABDT.ADV                                                | ABDT                                                                                                      |
| Abstract, Documentation Type, Biology <b>(1)</b>                                                                                               | /ABDT.BIO             | S (LEUKAEM? AND CELL?)/ABDT.BIO                                                                      | ABDT                                                                                                      |
| Abstract, Documentation Type, Claimed <b>(1)</b>                                                                                               | /ABDT.CLM             | S KETON?/ABDT.CLM                                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, Definition <b>(1)</b>                                                                                            | /ABDT.DEF             | S ?CYCL?/ABDT.DEF                                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, Description <b>(1)</b>                                                                                           | /ABDT.DES             | S ?ARYL?/ABDT.DES                                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, Dosage <b>(1)</b>                                                                                                | /ABDT.DOS             | S (?SPRAY? OR AEROSOL OR DUST? OR POWDER? OR GRANUL?)/ABDT.DOS                                       | ABDT                                                                                                      |
| Abstract, Documentation Type, Drawing Description <b>(1)</b>                                                                                   | /ABDT.DRWD            | S FILTER?/ABDT.DRWD                                                                                  | ABDT                                                                                                      |
| Abstract, Documentation Type, Embodiment <b>(1)</b>                                                                                            | /ABDT.EMB             | S (POLYESTER AND RESIN?)/ABDT.EMB                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, Example <b>(1)</b>                                                                                               | /ABDT.EX              | S BIODEGRAD?/ABDT.EX                                                                                 | ABDT                                                                                                      |
| Abstract, Documentation Type, First Section <b>(1)</b>                                                                                         | /ABDT.FS              | S NYLON/ABDT.FS                                                                                      | ABDT                                                                                                      |
| Abstract, Documentation Type, General <b>(1)</b>                                                                                               | /ABDT.GEN             | S RARE EARTH/ABDT.GEN                                                                                | ABDT                                                                                                      |
| Abstract, Documentation Type, Inorganic Chemistry <b>(1)</b>                                                                                   | /ABDT.INO             | S (FIBER OR RESIN)/ABDT.INO                                                                          | ABDT                                                                                                      |
| Abstract, Documentation Type, Mechanism of Action <b>(1)</b>                                                                                   | /ABDT.ACTN            | S CELL?/ABDT.ACTN                                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, More Specifically <b>(1)</b>                                                                                     | /ABDT.MS              | S (F OR CI)/ABDT.MS                                                                                  | ABDT                                                                                                      |
| Abstract, Documentation Type, Novelty <b>(1)</b>                                                                                               | /ABDT.NOV             | S (SHEET OR FABRIC)/ABDT.NOV                                                                         | ABDT                                                                                                      |
| Abstract, Documentation Type, Organic Chemistry <b>(1)</b>                                                                                     | /ABDT.ORG             | S TETRAHYDROFURAN/ABDT.ORG                                                                           | ABDT                                                                                                      |
| Abstract, Documentation Type, Specific Materials <b>(1)</b>                                                                                    | /ABDT.MAT             | S ?VINYL?/ABDT.MAT                                                                                   | ABDT                                                                                                      |
| Abstract, Documentation Type, Patent Number <b>(1)</b>                                                                                         | /ABDT.PN              | S US1368H/ABDT.PN                                                                                    | ABDT                                                                                                      |
| Abstract, Documentation Type, Preferred <b>(1)</b>                                                                                             | /ABDT.PRE             | S BUTYROLACTON?/ABDT.PRE                                                                             | ABDT                                                                                                      |

## General Search Fields (cont'd)

|                                                              |                 |                                                             |                 |
|--------------------------------------------------------------|-----------------|-------------------------------------------------------------|-----------------|
| Abstract, Documentation Type, Preparation <b>(1)</b>         | /ABDT.PRP       | S ?IMIDAZOL?/ABDT.PRP                                       | ABDT            |
| Abstract, Documentation Type, Specific Substances <b>(1)</b> | /ABDT.SUB       | S MALEIC/ABDT.SUB                                           | ABDT            |
| Abstract, Documentation Type, Technology Focus <b>(1)</b>    | /ABDT.TECH      | S (LAYER? OR COAT?)/ABDT.TECH                               | ABDT            |
| Abstract, Documentation Type, Use <b>(1)</b>                 | /ABDT.USE       | S ((DERM? OR SKIN?) AND AGE?)/ABDT.USE                      | ABDT            |
| Abstract, Documentation Type, Use/Advantage <b>(1)</b>       | /ABDT.UADV      | S (TAST? OR EAT?)/ABDT.UADV                                 | ABDT            |
| Abstract, Documentation Type, Wider Disclosure <b>(1)</b>    | /ABDT.WD        | S BLOOD?/ABDT.WD                                            | ABDT            |
| Abstract, Extension * <b>(2)</b>                             | /ABEX           | S ?FERMENT?/ABEX                                            | ABEX            |
| Abstract, Ext., Administration * <b>(2)</b>                  | /ABEX.ADM       | S BUCCAL(P)DOS?/ABEX.ADM                                    | ABEX            |
| Abstract, Ext., Definition * <b>(2)</b>                      | /ABEX.DEF       | S (?ALKYL? AND ?ALKOX?)/ABEX.DEF                            | ABEX            |
| Abstract, Ext., Example * <b>(2)</b>                         | /ABEX.EX        | S (NUC? AND COMPLEX?)/ABEX.EX                               | ABEX            |
| Abstract, Ext., Priority * <b>(2)</b>                        | /ABEX.PRI       | S METABOLIC/ABEX.PRI                                        | ABEX            |
| Abstract, Ext., Specific Compounds * <b>(2)</b>              | /ABEX.SC        | S ?NITRO?/ABEX.SC                                           | ABEX            |
| Abstract, Ext., Wider Disclosure * <b>(2)</b>                | /ABEX.WD        | S KINASE?/ABEX.WD                                           | ABEX            |
| Abstract, Extension* <b>(2)</b>                              | /ABEX           | S ?FERMENT?/ABEX                                            | ABEX            |
| Accession Number                                             | /AN             | S 2008-B12345/AN<br>S 2007-894520/AN<br>S 197022/DW.AN      | AN              |
| Accession Number Week, Supplement                            | /DW.AN          | S 197022/DW.AN                                              | AN              |
| Activity                                                     | /ACTV           | S ANTIBIOTIC ACTIVITY/ACTV                                  | AB, ACTV        |
| Advantage <b>(18)</b>                                        | /ADV            | S LASER BEAM?/ADV                                           | AB, ADV         |
| Application Country <b>(3)</b>                               | /AC             | S GB/AC(P)1990/AY                                           | ADT, AI         |
| Application Date <b>(3,4)</b>                                | /AD             | S JAN 1993-APR 1993/AD(S)FR/AC                              | ADT, AI         |
| Application Number <b>(3,5)</b>                              | /AP             | S 1989GB-000219641/AP<br>S GB1989-219641/AP<br>S 2004/AP.YR | ADT, AI         |
| Application Number Year <b>(4)</b>                           | /AP.YR          | S 2004/AP.YR                                                | ADT, AI         |
| Application Type                                             | /APT            | S RELATED TO/APT                                            | ADT, AI         |
| Application Year <b>(3,4)</b>                                | /AY             | S 1990-1991/AY                                              | ADT, AI         |
| Cooperative Patent Classification                            | /CPC            | S D03D0015-0011/CPC                                         | CPC             |
| Country Count <b>(4)</b>                                     | /CYC            | S 20-30/CYC                                                 | CYC             |
| CPC, Action Date                                             | /CPC.ACD        | S 20130101/CPC.ACD                                          | CPC.TAB         |
| CPC, Codes of a Combination Set <b>(19)</b>                  | /CPC.CS         | S A61K0039-42/CPC.CS                                        | CPC,<br>CPC.TAB |
| CPC, Keyword Terms                                           | /CPC.KW         | S INVENTION/CPC.KW                                          | CPC.TAB         |
| CPC, Version                                                 | /CPC.VER        | S 20130101/CPC.VER                                          | CPC.TAB         |
| Cross Reference                                              | /CR<br>(or /XR) | S 1990-001459/CR<br>S 1990-001459/AN,CR                     | CR              |
| Crossover Accession Number                                   | /ANX            | S 1980-B7362C/ANX                                           |                 |
| Derwent Application Number Kind Code                         | /AP.PKC         | S ATA62/AP.PKC                                              | ADT             |
| Designated State <b>(6)</b>                                  | /DS             | S BE/DS<br>S RW: BE/DS(P)1990/PY                            | PI              |
| Detailed Description* <b>(18)</b>                            | /DETD           | S NAPHTHALENE?/DETD                                         | AB, DETD        |
| Document Level                                               | /DLVL           | S L1 AND INVENTION/DLVL                                     | not displayed   |
| Document Number CPI                                          | /DNC            | S C1993-056092/DNC                                          | DNC             |
| Document Number Non CPI                                      | /DNN            | S N1983-041955/DNN                                          | DNN             |
| Document Type                                                | /DT             | S L7 AND P/DT                                               | not displayed   |
| Drawing Description* <b>(18)</b>                             | /DRWD           | S ?TANGUL?/DRWD                                             | AB, DRWD        |
| Number of Drawings <b>(4)</b>                                | /DRWN           | S DRWN=9                                                    | DRWN            |
| DWPI Class <b>(7)</b>                                        | /DC             | S A25/DC<br>S A/DC                                          | DC              |
| DWPI Update <b>(4)</b>                                       | /DUPD           | S 197007/DUPD                                               | DUPD            |
| DWPI Week <b>(4,6)</b>                                       | /DW             | S 199108/DW<br>S 199301-199315/DW(P)FR/PC                   | PI              |
| DWPI Week, Basic <b>(4,6)</b>                                | /DW.B           | S 199315/DW.B(P)US/PC.B                                     | PI, PI.B        |

## General Search Fields (cont'd)

| Search Field Name                                                                     | Search Code                      | Search Examples               | Display Codes |
|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------|---------------|
| Entry Date <b>(4)</b>                                                                 | /ED                              | S ED>19940201 AND L10         | ED            |
| European Patent Classification <b>(8)</b>                                             | /EPC (or<br>/ECLA, or<br>/EPCLA) | S A01B0015-20/EPC             | EPC           |
| European Patent Classification<br>Keywords                                            | /EPC.KW                          | S D2/EPC.KW                   | EPC           |
| Field Availability                                                                    | /FA                              | S L7 NOT NOAB/FA              | FA            |
| File Segment                                                                          | /FS                              | S L11 AND GI/FA               | FS            |
| Filing Details <b>(5,6)</b>                                                           | /FDT                             | S PLASMA AND EPI/FS           | FDT           |
| Filing Details, Patent Country<br>(WIPO code and text)                                | /FDT.PC                          | S US5072794/FDT               | FDT           |
| Filing Details, Patent Kind                                                           | (or /RLPC)                       | S EP-----105613/FDT           | FDT           |
| Filing Details, Patent Number                                                         | /FDT.PK                          | S CANADA/FDT.PC               | FDT           |
| Filing Details, Type                                                                  | (or /RLPK)                       | S CA/FDT.PK                   | FDT           |
| ICO (in-computer-only)<br>Classification <b>(8)</b>                                   | /FDT.PN                          | S CA1248729/FDT.PN            | FDT           |
| ICO Classification, Keywords                                                          | (or /RLPN)                       | S REISSUE OF/FDT.TP           | FDT           |
| International Patent Classification<br>(contains ICM and ICS)                         | /FDT.TP                          | S K61M/ICO                    | ICO           |
| International Patent Classification<br>(ICA, ICI, ICM, ICS, IPCI, IPCR)<br><b>(8)</b> | /ICO                             | S MANOL/ICO.KW                | ICO           |
| Inventor                                                                              | /IC                              | S C09K007/IC                  | IC            |
| IPC Keyword Terms                                                                     | /IPC.KW                          | S C09K007-02/IC               | IPC           |
| IPC Reform                                                                            | /IPC.REF                         | S C09K007-02/IC               | IPC           |
| IPC, Action Date <b>(4)</b>                                                           | /IPC.ACD                         | S D01D005-08?/IC              | IPC           |
| IPC, Additional (supplementary)                                                       | /ICA                             | S C12P021-08/IPC              | IPC           |
| IPC, Index (complementary)                                                            | /ICI                             | S HALE, A H/IN                | IN            |
| IPC, Main <b>(7)</b>                                                                  | /ICM                             | S HALE A H/IN,PA              | IPC.TAB       |
| IPC, Secondary                                                                        | /ICS                             | S ADDITIONAL/IPC.KW           | IPCI, IPCR    |
| IPC, Version <b>(5)</b>                                                               | /IPC.VER                         | S A01B0003-44/IPC.REF         | IPC.TAB       |
| Japanese Patent Office<br>Classification (FI Class)<br>(Additional)                   | /FACL                            | S IPC.ACD>20070107            | ICA           |
| Japanese Patent Office<br>Classification (FI Class) (Index)                           | /FICL                            | S A01K067-027/ICA             | ICI           |
| Japanese Patent Office<br>Classification (FI Class) (Main)                            | /FMCL                            | S B03D103:08/ICI              | IC            |
| Japanese Patent Office<br>Classification (FI Class)<br>(Secondary)                    | /FSCL                            | S C09K007-02/ICM              | IC            |
| Japanese Patent Office<br>Classification (FI or File Index)<br><b>(8)</b>             | /FCL                             | S D01B001-38/ICS              | IPC.TAB       |
| Japanese Patent Office<br>Classification (FTERM or File<br>Forming Term) <b>(8)</b>   | /FTRM                            | S 20080101/IPC.VER            | FCL           |
| Language (ISO code and text)                                                          | /LA                              | S A01B001/FACL                | FCL           |
| Main Group of IPC Version 1-7<br>Range Searchable <b>(4)</b>                          | /MGR                             | S A61K0031:045/FICL           | FCL           |
|                                                                                       |                                  | S H01B0001-02/FMCL            | FCL           |
|                                                                                       |                                  | S H05K0013-08 Z/FSCL          | FCL           |
|                                                                                       |                                  | S A61K0006-00 A/FCL           | FCL           |
|                                                                                       |                                  | S 5B001/AA01/FTRM             | FTRM          |
|                                                                                       |                                  | S FR/LA(P)EP/PC AND L3        | PI            |
|                                                                                       |                                  | S FRENCH/LA(P)EP/PC(P)1990/PY | not displayed |
|                                                                                       |                                  | S C09K/ICM(T)18-20/MGR        | not displayed |

## General Search Fields (cont'd)

| Search Field Name                                    | Search Code       | Search Examples                                                                                                                         | Display Codes    |
|------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Manual Code (8,9)                                    | /MC               | S A12-W10A/MC                                                                                                                           | MC               |
| Markush Compound Number                              | /MCN              | S 0153-12201-CL/MCN                                                                                                                     | MCN, CMC         |
| Mechanism of Action*                                 | /ACTN             | S CYTOKINES/ACTN                                                                                                                        | AB, ACTN         |
| Novelty* (11)                                        | /NOV              | S EXCITATION LIGHT/NOV                                                                                                                  | NOV              |
| Number of Pages (4)                                  | /PGN              | S PGN=5 AND L2                                                                                                                          | PI               |
| Patent Assignee (10)                                 | /PA               | S SHELL OIL/PA                                                                                                                          | PA               |
| Patent Assignee Code (8,12)                          | (or /CS)<br>/PACO | S "NEW YORK WIRE"?/PA<br>S SHEL/PACO                                                                                                    | PA<br>PI         |
| Patent Country (6,13)                                | /PC               | S GB/PC(P)1989/AY<br>S UNITED KINGDOM/PC                                                                                                | PI               |
| Patent Country, Basic (6,13)                         | /PC.B             | S GB/PC.B(P)JUNE 1992/PD.B                                                                                                              | PI               |
| Patent Kind Code (6,14)                              | /PK               | S GBA/PK<br>S EPA2/PK(P)DE/DS                                                                                                           | PI               |
| Patent Kind Code, Basic (6,14)                       | /PK.B             | S EPA/PK.B<br>S EPA1/PK.B(P)1991-1992/PY.B                                                                                              | PI               |
| Patent Number (5,6)                                  | /PN               | S US5198416/PN<br>S EP-----100323/PN<br>S EP0100323/PN<br>S EP100323/PN<br>S US20060000001/PN<br>S US-20060000001/PN<br>S US,100,503/PN | PI               |
| Patent Number, Basic (5,6)                           | /PN.B             | S US5198416/PN.B                                                                                                                        | PI               |
| Patent Number Count (4)                              | /PNC              | S 5-10/PNC                                                                                                                              | PNC              |
| Patent Number/Kind Code                              | /PNK              | S WO2009006253A2/PNK                                                                                                                    | PNK              |
| Patent Number/Kind Code, Basic                       | /PNK.B            | S TH43458A/PNK.B                                                                                                                        | PNK.B            |
| Patent Publication Type                              | /PT               | S EQUIVALENT/PT AND BE/PC                                                                                                               | PI               |
| Priority Application Number, First                   | /PRNF             | S AL1961-8036/PRNF                                                                                                                      | PRAI             |
| Priority Country (15)                                | /PRC              | S FR/PRC<br>S GB/PRC(S)1990/PRY                                                                                                         | PRAI             |
| Priority Country, First                              | /PRCF             | S AU/PRCF                                                                                                                               | PRAI             |
| Priority Date (4,15)                                 | /PRD              | S 19880930/PRD<br>S JUNE 1991/PRD(S)FR/PRC                                                                                              | PRAI             |
| Priority Date, First (4,15)                          | /PRDF             | S JUNE 1991/PRDF                                                                                                                        | PRAI             |
| Priority Number (5,15)                               | /PRN              | S 1988US-000252206/PRN<br>S US1988-252206/PRN<br>S 1990DE-0000010670/PRN<br>S DE1990-10670/PRN                                          | PRAI             |
| Priority Number, Year (4)                            | /PRN.YR           | S 2005/PRN.YR                                                                                                                           | PRAI             |
| Priority Year (4,15)                                 | /PRY              | S 1990-1991/PRY(S)NL/PRC                                                                                                                | PRAI             |
| Priority Year, First (4,15)                          | /PRYF             | S 1992/PRYF                                                                                                                             | PRAI             |
| Publication Date (4,6)                               | /PD               | S 19900404/PD<br>S 1 APR 1990-15 APR 1990/PD(P)GB/PC                                                                                    | PI               |
| Publication Date, Basic (4,6)                        | /PD.B             | S 19930330/PD.B(P)US/PC.B                                                                                                               | PI               |
| Publication Year (4,6)                               | /PY               | S 1990-1991/PY                                                                                                                          | PI               |
| Publication Year, Basic (4,6)                        | /PY.B             | S 1990/PY.B(P)JP/PC.B                                                                                                                   | PI               |
| Sub Group of IPC Version 1-7<br>Range Searchable (4) | /SGR              | S C09K007/ICM(T)100-2000/SGR<br>S F01B-007/IC(T)10000-12000/SGR                                                                         | not<br>displayed |
| Summary Language (ISO code<br>and text)              | /SL               | S L1 AND EN/SL                                                                                                                          | SL               |
| Technology* (11)                                     | /TECH             | S DYEING AGENT#/TECH,BI                                                                                                                 | TECH             |
| Title* (18)                                          | /TI               | S DRILLING FLUID#/TI                                                                                                                    | TI               |
| Title Terms (16)<br>(incl. Additional Words)         | /TT               | S DRILL/TT<br>S FIBRE-OPTIC/TT                                                                                                          | TT               |
| Update Date (4)                                      | /UP               | S JAN 2007/UP                                                                                                                           | UP               |
| Update Date Abstract (4)                             | /UPAB             | S FEB 2009/UPAB                                                                                                                         | UPA              |
| Update Date Chemical Code (4)                        | /UPB              | S UPB=APR 2005                                                                                                                          | UPB              |
| Update Date Documentation<br>Abstract (4)            | /UPDA             | S MAR 2006/UPDA                                                                                                                         | UPDA             |

## General Search Fields (cont'd)

| Search Field Name                                      | Search Code | Search Examples                                            | Display Codes |
|--------------------------------------------------------|-------------|------------------------------------------------------------|---------------|
| Update Date Equivalent (4)                             | /UPEQ       | S UPEQ=AUG 2006                                            | Not displayed |
| Update Date Graphic Image (4)                          | /UPGI       | S UPGI=APR 2005                                            | Not displayed |
| Update Date Index Terms (4)                            | /UPIT       | S 20050412/UPIT                                            | UPIT          |
| Update Date International Patent Classification Code   | /UPIC       | S 20090918/UPIC                                            | UPIC          |
| Update Date Inventor                                   | /UPIN       | S UPIN=3 MAY 2013                                          | UPIN          |
| Update Date Patent Assignee (4)                        | /UPPA       | S 20050426/UPPA AND L15                                    | UPPA          |
| Update Date Patent Family (4)                          | /UPP        | S FEB 1994-APR 1994/UPP                                    | UPP           |
| Update Date Patent Information (4)                     | /UPPI       | S UPPI=JAN 2006                                            | UPPI          |
| Update Date Polymer Indexing (4)                       | /UPA        | S UPA=APR 2005                                             | UPA           |
| Update Date Priority Information (4)                   | /UPPR       | S UPPR>=APR 2008                                           | UPPR          |
| Update Date Enhanced Title (4)                         | /UPTI       | S 20050422/UPTI AND L2                                     | UPTI          |
| US National Patent Classification, Current (8)         | /NCL        | S 002006100/NCL                                            | NCL           |
| US National Patent Classification, Current (main)      | /NCLM       | S 002/NCLM                                                 | NCL           |
| US National Patent Classification, Current (secondary) | /NCLS       | S 004/NCLS                                                 | NCL           |
| Use Section* (18)                                      | /USE        | S (SYNTHESIS AND BIOSYNTHETIC)/ USE<br>S ?PHENYLETHER?/USE | USE           |
| Use/Advantage Section                                  | /UADV       | S TREATMENT/UADV                                           | UADV          |

- (1) This field is displayable in WPIX only. Available for 1995-1999.
- (2) This field is displayable in WPIX only. Available from update 199908 onwards.
- (3) Application Information is linked by (P) proximity to the patent information of the respective document.
- (4) Numeric search field that may be searched using numeric operators or ranges.
- (5) Numbers are searchable in DWPI and STN format.
- (6) Patent information (PN, PC, PK only) and application information of one patent document is linked by (P) proximity.
- (7) The classification text of DWPI classes is available in abbreviated form for EXPAND, however not for SEARCH
- (8) A thesaurus is available in this field.
- (9) DWPI manual codes automatically echo each search term and its definition when you search.
- (10) Search with implied (S) proximity is available in this field. Bound phrases have to be searched with quotation marks.
- (11) Available from Update 199908 onwards.
- (12) The list of Clarivate Analytics (UK) Limited-assigned company codes for patent assignees matched with company names is available in this field. See page 12.
- (13) Enter HELP COUNTRY online for detailed coverage information.
- (14) Enter HELP KIND online for definitions of the patent document kind codes.
- (15) Priority information referring to the same application is linked by (P) proximity.
- (17) A function for preferred and forbidden terms (USE, UF relationship) is available for EXPAND and SEARCH in this field – see 'DWPI Title Terms' on page 11. By default, the preferred term is searched, when a forbidden one is part of the query
- (18) As of Update 3/2019 the words AND, IS, OF, THE, TO are no longer indexed in this field.  
You may use these stop words in your search statement, however at their position a (1W)-proximity is used by the system.
- (19) Field available since March 2019.



## Super Search Fields

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

| Search Field Name                                | Search Code  | Fields Searched                                       | Search Examples                                             | Display Codes    |
|--------------------------------------------------|--------------|-------------------------------------------------------|-------------------------------------------------------------|------------------|
| Application Number Group (1)                     | /APPS        | /AP, /PRN                                             | S 1989GB-0219641/APPS<br>S 1989GB-0219641/APPS              | ADT, AI,<br>PRAI |
| Document Number<br>Chemical Codes, all Subfields | /DN<br>/MALL | /DNC, /DNN<br>/M0, /M1, /M2,<br>/M3, /M4, /M5,<br>/M6 | C1993-056092/DN<br>S A100/M0                                | DNC, DNN<br>CMC  |
| Patent Number Group (2)                          | /PATS        | /FDT, /PN                                             | S GB2223255/PATS<br>S EP-----100323/PATS<br>S EP100323/PATS | FDT, PI          |
| Patent Countries                                 | /PCS         | /PC, /DS                                              | S ES/PCS<br>S SPAIN/PCS                                     | DS, PI           |

(1) Either STN or Derwent format may be used.

(2) Enter HELP COUNTRY for detailed coverage information.

## Additional DWPI individual patent publication (often First Level Data) Search Fields

Fields that allow left truncation are indicated by an asterisk (\*).

| Search Field Name                                                                       | Search Code | Search Examples                                         | Display Codes                                                               |
|-----------------------------------------------------------------------------------------|-------------|---------------------------------------------------------|-----------------------------------------------------------------------------|
| Basic Index Extended* (contains single terms from author abstracts, claims, and titles) | /BIEX       | S NANOCLUSTERS/BIEX                                     | ABDE, ABEN, ABFR, CLMDE, CLMEN, CLMES, CLMFR, CLMOL, TIDE, TIEN, TIES, TIFR |
| Abstract, Original, in English*                                                         | /ABEN       | S ?CONDUCTIVE MATERIAL/ABEN                             | ABEN                                                                        |
| Abstract, Original, in French*                                                          | /ABFR       | S ?MOBILIS?/ABFR                                        | ABFR                                                                        |
| Abstract, Original, in German*                                                          | /ABDE       | S ?AUTOMATISIERT?/ABDE                                  | ABDE                                                                        |
| Accession Number, Publication Level                                                     | /AN.PUB     | S 2005-262794/AN.PUB                                    | AN                                                                          |
| Agent                                                                                   | /AG         | S PFIZER/AG                                             | AG                                                                          |
| Agent Address                                                                           | /AGA        | S NEWCASTLE/AGA                                         | AGA                                                                         |
| Agent Address, City                                                                     | /AGA.CTY    | S (MUNICH OR MUENCHEN)/AGA.CTY                          | AGA                                                                         |
| Agent Address, Country (code)                                                           | /AGA.CNY    | S NL/AGA.CNY                                            | AGA                                                                         |
| Agent, Total                                                                            | /AG.T       | S PFIZER INC./AG.T                                      | AG.T                                                                        |
| Application Information, Clarivate Analytics                                            | /APTS       | S 1978US-000000357/APTS                                 | APTS                                                                        |
| Claims *                                                                                | /CLM        | S OFFICE CHAIR/CLM<br>S BUEROSTUHL/CLM<br>S ?CHAIR?/CLM | CLMDE, CLMEN, CLMES, CLMFR, CLMOL                                           |
| Field Availability                                                                      | /FA.M       | S ABDT/FA.M                                             | FA                                                                          |
| Initial IPC (ICM, ICS)                                                                  | /IIC        | S A01B000/IIC                                           | IIC                                                                         |
| Initial IPC, Additional (supplementary)                                                 | /IICA       | S A01B003-36/IICA                                       | IICA                                                                        |
| Initial IPC, Index (complementary)                                                      | /IICI       | S B03D103:08/IICI                                       | IICI                                                                        |
| Initial IPC, Main                                                                       | /IICM       | S C09K007-02/IICM                                       | IIC                                                                         |
| Initial IPC, Secondary                                                                  | /IICS       | S A01B001/IICS                                          | IIC                                                                         |
| International Patent Classification (IIC, IICA, IICI, IICM, IICS)                       | /IPC        | S A01B003-36/IPC                                        | IIC, IICA, IICI, IICM, IICS                                                 |
| Inventor Address                                                                        | /INA        | S HEIDELBERG/INA                                        | INA                                                                         |
| Inventor Address, City                                                                  | /INA.CTY    | S WIEN/INA.CTY                                          | INA                                                                         |
| Inventor Address, Country (code)                                                        | /INA.CNY    | S DE/INA.CNY                                            | INA                                                                         |
| Inventor, Original                                                                      | /INO        | S MAYER DALE J/INO                                      | INO                                                                         |
| Inventor, Original, First                                                               | /INO.FNM    | S DENNIS ALBERT/INO.FNM                                 | INO                                                                         |
| Inventor, Original, Surname                                                             | /INO.SNM    | S SCHEKINEN/INO.SNM                                     | INO                                                                         |
| Inventor, Residence (WIPO Code)                                                         | /IN.RES     | S BE/IN.RES                                             | INA                                                                         |
| Inventor, Nationality (WIPO Code)                                                       | /IN.NAT     | S AT/IN.NAT                                             | INA                                                                         |
| Inventor, Total                                                                         | /IN.T       | S MAYER?/IN.T                                           | IN.T                                                                        |
| National Classification, Issued                                                         | /INCL       | S D01125000/INCL                                        | INCL                                                                        |
| National Classification, Issued (secondary)                                             | /INCLS      | S PLT001000/INCLS                                       |                                                                             |
| National Classification, Issued (main)                                                  | /INCLM      | S D24225000/INCLM                                       | INCL                                                                        |
| Patent Assignee Address                                                                 | /PAA        | S MUENCHEN?/PAA                                         | PAA                                                                         |
| Patent Assignee Address, City                                                           | /PAA.CTY    | S MUNICH/PAA.CTY                                        | PAA                                                                         |
| Patent Assignee Address, Country (WIPO code)                                            | /PAA.CNY    | S BE/PAA.CNY                                            | PAA                                                                         |
| Patent Assignee, Limitation (WIPO code)                                                 | /PA.LIM     | S DE/PA.LIM                                             | MEMB, MEMBF                                                                 |
| Patent Assignee, Nationality (WIPO code)                                                | /PA.NAT     | S BE/PA.NAT                                             | MEMB, MEMBF                                                                 |
| Patent Assignee, Original                                                               | /PAO        | S 3M COMPANY/PAO                                        | PAO                                                                         |
| Patent Assignee, Residence (WIPO code)                                                  | /PA.RES     | S DE/PA.RES                                             | MEMB, MEMBF                                                                 |

## Additional DWPI individual patent publication (often First Level Data) Search Fields (cont'd)

| Search Field Name                                             | Search Code | Search Examples         | Display Codes |
|---------------------------------------------------------------|-------------|-------------------------|---------------|
| Patent Assignee, Total                                        | /PA.T       | S BASF AG/PA.T          | PA.T          |
| Priority Country, Basic (WIPO code and text)                  | /PRC.B      | S AR/PRC.B              | PRAI          |
| Priority Application Information, Clarivate Analytics         | /PRTS       | S 1998AR-000100591/PRTS | PRTS          |
| Priority Date, Basic (1)                                      | /PRD.B      | S PRD.B=JUN 1998        | PRAI          |
| Priority Number, Basic                                        | /PRN.B      | S AR1968-214388/PRN.B   | PRAI          |
| Priority Year, Basic (1)                                      | /PRY.B      | S 1998/PRY.B            | PRAI          |
| Summary Language (WIPO code and text)                         | /SL.M       | S FR/SL.M               |               |
| Title Language (WIPO code and text)                           | /TL         | S L1 AND EN/TL          | TL            |
| Title, Original, in English                                   | /TIEN       | S PLANT PRODUCT/TIEN    | TIEN          |
| Title, Original, in French                                    | /TIFR       | S FRUIT#/TIFR           | TIFR          |
| Title, Original, in German                                    | /TIDE       | S FRUCHTFLEISCH/TIDE    | TIDE          |
| Title, Original, in Spanish                                   | /TIES       | S FRUTOS/TIES           | TIES          |
| Update Date Author Abstract (1)                               | /UPAA       | S MAR 2006/UPAA         | not displayed |
| Update Date Author Title (1)                                  | /UPAT       | S 16 APR 2005/UPAT      | not displayed |
| Update Date Claims (1)                                        | /UPCL       | S 20050509/UPCL         | not displayed |
| Update Date International Patent Classification, Original (1) | /UPIO       | S UPIO=12 APR 2005      | not displayed |
| Update Date USPTO Classification, Original (1)                | /UPNO       | S UPNO=20050416         | not displayed |

(1) Numeric search field that may be searched using numeric operators or ranges.

## Chemistry Resource Segment Search and Display Fields

Fields that allow left truncation are indicated by an asterisk (\*).

| Search Field Name                                               | Search Code             | Search Examples                       | Display Codes |
|-----------------------------------------------------------------|-------------------------|---------------------------------------|---------------|
| Chemical Name                                                   | /CN                     | S MANDELIC ACID/CN                    | CN            |
| Chemical Name Segment* (from CN.P, CN.S, SY)                    | /CNS                    | S DISULFONYL DIAZIDE/CNS              |               |
| Chemical Name, Preferred                                        | /CN.P                   | S D-GLUCOSE-6-PHOSPHATE/CN.P          | CN.P          |
| Chemical Name, Systematic                                       | /CN.S                   | S DECANE-1,10-DISULFONYL DIAZIDE/CN.S |               |
| Chemistry Resource Accession Number, Chemistry Resource Segment | /AN.S                   | S DCR-100174/AN.S                     | AN.S          |
| Chemistry Resource Number, Chemistry Resource Segment           | /DCSE                   | S 70-0-0-0/DCSE                       | DCSE          |
| Classification Code (Substance Descriptor)                      | /CC                     | S HALOCARBONS/CC                      | CC            |
| Comment                                                         | /CMT                    | S FIBROBLAST#/CMT                     | CMT           |
| Component Molecular Formula                                     | /CMF<br>(or<br>/FRAGMF) | S C H3 F6 P *1/CMF                    | SMF           |
| Controlled Term                                                 | /CT                     | S MAO-INHIBITOR/CT                    | CT            |
| Controlled Term, Drug Activity                                  | /CT.DA                  | S MAP-KINASE-INH?/CT.DA               | CT            |
| Controlled Term, Mechanism of Action                            | /CT.MA                  | S ADRENALINE/CT.MA                    | CT            |
| Derwent Drug Registry Name                                      | /DDRN                   | S GALACTOSE/DDRN                      | DDRN          |
| Element Symbol                                                  | /ELS                    | S (N AND S)/ELS                       | SMF           |
| Element Symbol, Count (1)                                       | /ELS.CNT                | S O/ELS(S)7/ELS.CNT                   | SMF           |
| Entry Date Chemistry Resource (1)                               | /EDCR                   | S 19 JUL 1999/EDCR                    | EDCR          |

## Chemistry Resource Segment Search and Display Fields (cont'd)

| Search Field Name                             | Search Code          | Search Examples                        | Display Codes |
|-----------------------------------------------|----------------------|----------------------------------------|---------------|
| Fragment Molecular Formula                    | /FRAGMF<br>(or /CMF) | S AL *154/FRAGMF                       |               |
| Molecular Formula                             | /MF                  | S H CL2 N/MF                           | MF            |
| Molecular Weight (1)                          | /MW                  | S 17-21/MW                             | MW            |
| Number of Components (1)                      | /NC                  | S 9-11/NC                              |               |
| Number of Fragments (1)                       | /NFRAG               | S 4/NFRAG AND L11                      | SMF           |
| Standardized Molecular Formula                | /SMF                 | S "B *1; SI *1; TOTAL *2; TYPE *2"/SMF | SMF           |
| Substructure Terms                            | /SS                  | S PHOSPHONIC-ACID/SS                   | SS            |
| Structure Cross Reference                     | /SCR<br>(or /SXR)    | S 104403 : SEE ALSO/SCR                | SCR           |
| Structure Segment DWPI<br>Compound Number (2) | /SDCN                | S R20123/SDCN                          | SDCN          |
| Structure Segment DWPI Registry<br>Number (2) | /SDRN                | S 1029/SDRN                            | SDRN          |
| Structure Segment Ring (2)                    | /SRIN                | S 11895/SRIN                           |               |
| Synonym Name                                  | /SY                  | S FALUBIN/SY                           | SY            |
| Update Date DWPI Chemistry<br>Resource (1,3)  | /UPCR                | S JAN 2000/UPCR                        | UPCR          |
| Update Date DWPI Cross<br>Reference (1,4)     | /UPWX                | S 19990719/UPWX                        | UPWX          |

(1) Numeric search field that may be searched with numeric operators or ranges.

(2) Cross reference to indexing in bibliographic records. Select data from SDCN or SDRN or SRIN and search in /DCN resp. /DRN, resp. /RIN to retrieve bibliographic records.

(3) UPCR is created when new compounds enter the Chemistry Resource Segment.

(4) UPWX is created when DCR compounds are cited in bibliographic records. UPWX is used in automatic current awareness searches (SDIs) in the Chemistry Resource Segment.

(5) As of Update 3/2019 the words AND, IS, OF, THE, TO are no longer indexed in this field.

You may use these stop words in your search statement, however at their position a (1W)-proximity is used by the system.

## Chemical and Polymer Indexing (see also Chemistry Resource)

| Search Field Name                                                 | Search Code | Search Examples                                           | Display Codes |
|-------------------------------------------------------------------|-------------|-----------------------------------------------------------|---------------|
| DWPI Class (1)                                                    | /DC         | S A25/DC                                                  | DC            |
| DWPI Compound Number (Specific<br>Compound Number) (2)            | /DCN        | S R10034-M/DCN<br>S R10034/DCN<br>S R10034+UF/DCN         | CMC, DCN      |
| Chemistry Resource Accession<br>Number, Bibliographic Segment (3) | /DCR        | S L10/DCR                                                 | DCR           |
| DWPI Registry Number (4)                                          | /DRN        | S 5107-U/DRN<br>S 5107/DRN<br>S CAPROPYL PEROXIDE+USE/DRN | DRN           |
| Fragment Code (PLASDOC) (5,6)                                     | /FG         | S 503 54& 600 609/FG                                      | PLC           |
| Index Term (incl. DCR numbers) (7)                                | /IT         | S 7-PRD/IT<br>S (87874(T)PRD)/IT                          | IT            |
| Plasdoc Key Serials (5,6,8,9)                                     | /KS         | S 2017 2020 2296 2575/KS<br>S L10/DCR(t)PRD/KW            | PLC           |
| Manual Code (10)                                                  | /MC         | S A12-W10A/MC                                             | MC            |
| Markush Compound Number                                           | /MCN        | S 8944-01501-P/MCN                                        | CMC, MCN      |
| Chemical Codes (6)                                                | /M0-/M6     | S B713 G012 H600 L399 M903/M3                             | CMC           |
| Polymer Indexing Enhanced (11)                                    | /PLE        | S (G1854(S)D10)/PLE<br>S ((P0737(P)S1672)(L)B4171)/PLE    | PLE           |
| Ring Index Number (12)                                            | /RIN        | S 50736/RIN                                               | CMC           |
| Update Date Polymer Indexing (13)                                 | /UPA        | S L4 AND MAR 2005/UPA                                     | UPA           |
| Update Date Chemical Code (13)                                    | /UPB        | S UPB=21 APR 2005                                         | UPB           |
| Update Date Keyword Indexing (13)                                 | /UPIT       | S UPIT=MAY 2008                                           | UPIT          |

## Chemical and Polymer Indexing (see also Chemistry Resource) (cont'd)

- (1) The classification text of DWPI classes is available in abbreviated form for EXPAND, however not for SEARCH.
- (2) DWPI compound numbers are linked by (P) proximity to the relevant M1-M6 chemical codes with which they display. They can be searched directly in the Chemical Codes (/Mx) fields. The definition of DCNs is available online with the EXPAND command. Enter code +UF/DCN to see the definition of the DCN represented by 'code'. Text +USE/DCN shows the DCN code to be used for the definition represented by 'text'.
- (3) Field /DCR is used to retrieve records from the bibliographic segment using a search result from the Chemistry Resource Segment. Example: => S L10/DCR. L10 is the result of a search in segment Chemistry Resource. L10/DCR retrieves bibliographic records, where the compounds of L10 are cited.
- (4) The definition of DRNs is available online with the EXPAND command. Enter code +UF/DRN to see the definition of the DRN represented by 'code'. Text +USE/DRN shows the DRN code to be used for the definition represented by 'text'.
- (5) Search with implied (P) proximity is available in this field.
- (6) Fields /FG and /KS were discontinued as of DWPI update 199401 being replaced by field /PLE.
- (7) Contains DCR Numbers and roles, which are linked by (t) proximity. See => HELP ROLES for an explanation of the role codes.
- (8) The Plasdoc Key Serials Codes can be looked up in an online thesaurus – see page 13.
- (9) When using Key Serials Codes in a search in field /KS, the codes are echoed, i.e., their definitions are shown automatically. Use echoing to check your searches in /KS.
- (10) DWPI manual codes automatically echo each search term and its definition when you search.
- (11) /PLE is available since DWPI update 199332, replacing fields /FG and /KS. There are three levels of linking in this field: tightest – (S), middle – (P), widest – (L) proximity. The Polymer Indexing Thesaurus is available online in /PLE.
- (12) Ring indexing numbers are linked by (P) proximity to the chemical codes in field CMC. Since DWPI update 198601 they are specifically linked to the respective CMC subfield. These specifically linked ring index numbers can be searched directly in the Chemical Codes (/Mx) fields. They display below the respective CMC subfield.
- (13) Numeric search field that may be searched using numeric operators or ranges.

## Structure Searching

The scope of Structure Searches is always the full DCR file segment. Structure Search SDIs are executed in the update portion of the file which contains all DCR structures that have been newly cited in the bibliographic file segment in that week.

| Terms                                                                                                                                                                                                                          | Search Examples                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| L-numbers of structures built using the STRUCTURE command or uploaded from STN Express or STN on the Web (Boolean logic allowed between L-numbers)                                                                             | SEARCH L1 FAM<br>SEA L1 AND L2 SSS |
| L-numbers of screen sets created using the SCREEN command (Boolean logic allowed between the L-numbers)                                                                                                                        | S L3 OR L4 SSS                     |
| L-numbers of structures built using the STRUCTURE command or uploaded from STN Express or STN on the Web combined with L-numbers of screen sets created using the SCREEN command (Boolean logic allowed between the L-numbers) | S L1 AND L2 NOT L3                 |

## Types of Structure Searching

| Type                   | Definition                                                                                                                                           | Search Code | Search Examples                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|
| Substructure (default) | Search for substances which match the query. Substitution is allowed at all open positions. Additional components may be retrieved.                  | SSS         | SEARCH L1 SSS<br>S L2 OR L3 SSS<br>S L7 SSS        |
| Closed Substructure    | Search for substances which match the query exactly. Substitution is allowed at positions opened by CONNECT. Additional components may be retrieved. | CSS         | SEARCH L1 CSS<br>S L2 NOT L3 CSS<br>S L4 OR L5 CSS |
| Exact Family           | Search for substances which match the query exactly<br>Search for substances which match the query exactly. Additional components may be retrieved.  | EXA<br>FAM  | S L5 EXA FUL<br>S L6 FAM                           |

## Scopes of Structure Searching

The scope of Structure Searches is always the full DCR file segment. Structure Search SDIs are executed in the update portion of the file that contains all DCR structures that have been newly cited in the bibliographic file segment in that week.

| Scope                 | Definition                                                             | Search Code | Search Examples     |
|-----------------------|------------------------------------------------------------------------|-------------|---------------------|
| Full Sample (default) | Search 100% of the file                                                | FUL         | S L5 OR L8 SSS      |
| Subset Full           | Search a fixed 10% of the file                                         | SAM         | S L6 SSS SAM        |
| Subset Full           | Search 100% of an answer set created by a search in the file           | SUB FUL     | S L7 SSS SUB=L5 FUL |
| Subset Sample         | Search a fixed sample of an answer set created by a search in the file | SUB SAM     | S L7 SSS SUB=L5 SAM |

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

In DWPI a numeric search for a specific set of physical properties (/PHP) is available within the English text fields (titles, abstracts, claims). The numeric values are not displayed as single fields, but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

| Field Code | Property                                      | Unit                     | Search Examples                                |
|------------|-----------------------------------------------|--------------------------|------------------------------------------------|
| /AOS       | Amount of substance                           | Mol                      | S 10/AOS                                       |
| /BIR       | Bit Rate                                      | Bit (Bit)                | S 100000-160000/BIR                            |
| /BIT       | Stored Information                            | Bit                      | S BIT > 3 MEGABIT (10A) STORAGE                |
| /CAP       | Capacitance                                   | Farad                    | S 1-10 MF/CAP                                  |
| /CDN       | Current Density                               | Ampere/Square Meter      | S CDN>10 A/M**2                                |
| /CMOL      | Molarity (Concentration, amount of substance) | mol/l                    | S MOLYBD?/BI (S) 2/CMOL                        |
| /CON       | Conductance                                   | S (Siemens)              | S 1E-2/CON                                     |
| /DB        | Decibel                                       | Decibel                  | S DB>50                                        |
| /DEG       | Degree                                        | Degree                   | S (POLARI? (S) ANGLE)/BI (S) 45/DEG            |
| /DEN       | Density (Mass Density)                        | Kg/m <sup>3</sup>        | S (CELL? (S) RECOMBIN?)/CLM (S) 5E-3-10E-3/DEN |
| /DEQ       | Dose Equivalent                               | Sievert                  | S DEQ>0.5 /S) RADIATION                        |
| /DOS       | Dosage                                        | Milligram/Kilogram       | S DOS>0.8                                      |
| /DV        | Viscosity, dynamic                            | Pa * s (Pascal * second) | S DV>5000                                      |
| /ECH       | Electric Charge                               | Coulomb                  | S 10-15/ECH.EX (XA) CAPACITOR                  |
| /ECD       | Electric Charge                               | Coulomb/Square Meter     | S 1-20 /ECD.EX (XA) ELECTRICAL                 |
| /ECO       | Electrical Conductivity                       | Siemens/Meter            | S ECO>1000 (XA) WIRE                           |
| /ELC       | Electric Current                              | Ampere                   | S 1-10/ELC                                     |
| /ELF       | Electric Field                                | Volt/Meter               | S 1-5 /ELF                                     |
| /ENE       | Energy                                        | J (Joule)                | S L1 AND 10000/ENE                             |
| /ERE       | Electrical Resistivity                        | Ohm * Meter              | S ERE>10 (P) ISOLAT?                           |
| /FOR       | Force                                         | N (Newton)               | S 50 N/FOR                                     |
| /FRE       | Frequency                                     | Hz (Hertz)               | S ANALY?/CLM (10A) 0-3/FRE                     |
| /IU        | International Unit                            | none                     | S IU>1000 (P) ANTIBIOTIC                       |
| /KV        | Viscosity, kinematic                          | m <sup>2</sup> /s        | S LUBRICANT/BI (S) 10E-5/KV                    |

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

| Field Code              | Property                                    | Unit                   | Search Examples                                   |
|-------------------------|---------------------------------------------|------------------------|---------------------------------------------------|
| /LEN (or /SIZ)<br>/LUME | Length<br>Luminous<br>Emittance/Illuminance | Meter<br>Lux           | S 1-4/LEN<br>S 10-50/LUME                         |
| /LUMF                   | Luminous Flux (Luminous<br>Power)           | Lumen                  | S L74 (S) LUMF>70                                 |
| /LUMI                   | Luminous Intensity                          | Candela                | S 5<LUMI<15                                       |
| /M                      | Mass                                        | Kg (Kilogram)          | S ALLOY/BI (30A) 1E-10-1E-5/M                     |
| /MCH                    | Mass to Charge Ratio                        | none                   | S MCH=3                                           |
| /MFD (or /MFS)          | Magnetic Flux Density                       | Tesla                  | S MFD.EX>0E-3 (S) MAGNETC<br>RESONANCE            |
| /MFR (or /MFL)          | Mass Flow Rate                              | Kilogram/Second        | S MFR.EX<0E-3                                     |
| /MM                     | Molar Mass                                  | g/mol                  | S 2000-3000 G/MOL/MM                              |
| /MOLS                   | Molality of Substance                       | mol/kg                 | S 01.-10 mol/kg/MOLS                              |
| /MVR                    | Melt Volume Rate                            | none                   | S 5-10/MVR                                        |
| /NUC                    | Nutrition Content                           | none                   | S NUC<100 (XW) NUTRIENT                           |
| /PER                    | Percent (Proportionality)                   | Percent                | S (TITAN? (3A) DIOXID?)/CLM (S)<br>5/PER          |
| /PERA                   | Permittivity, Absolute                      | Farad/Meter            | S 1-10 PERA (S) BUFFER                            |
| /PHV                    | pH                                          | pH                     | S 7.4-7.6/PHV                                     |
| /POW                    | Power                                       | W (Watt)               | S (SOLAR? OR PHOTOVOLTAIC?)/BI<br>(10A) 5-10/POW  |
| /PRES (or /P)           | Pressure                                    | Pa (Pascal)            | S (VACUUM (5A) DISTILL?)/BI (S)<br>1000-1100/PRES |
| /RAD                    | Radioactivity                               | Bq (Becquerel)         | S RADI?/BI (P) 10-100/RAD                         |
| /RES                    | Electrical<br>Impedance/resistance          | Ohm                    | S CERAMIC/CLM (P) 1-8/RES                         |
| /RSP                    | Rotational Speed                            | Revolution/Minute      | S 7000-8000/RSP AND ENGINE                        |
| /SAR                    | Area /Surface Area                          | m <sup>2</sup>         | S (COATING? OR FOIL?)/BI (S) 10-<br>100/SAR       |
| /SOL                    | Solubility                                  | Gram/100 gram          | S SOL>20 (10W) WATER                              |
| /STSC                   | Surface Tension                             | J/m <sup>2</sup>       | S 60 J/M**2 /STSC                                 |
| /TCO                    | Thermal Conductivity                        | K (Kelvin)             | S 30-40/TCO (S) THERMO?                           |
| /TEMP (or /T)           | Temperature                                 | K (Kelvin)             | S (REACTION? (25A) PHOSPHAT?)<br>(S) 10/TEMP      |
| /TIM                    | Time                                        | S (Second)             | S ?INCUB?/CLM (10W) 10-50/TIM                     |
| /VEL (or /V)            | Velocity                                    | m/s (Metre per Second) | S PUMP?/BI (S) 1E-3-5E-3/VEL                      |
| /VELA                   | Velocity, angular                           | rpm                    | S ANG?/CLM (S) VELA>10                            |
| /VLR                    | Volumetric Flow Rate                        | Cubic Meter/Second     | S 2-5/VLR (XA) TUBE                               |
| /VOL                    | Volume                                      | m <sup>3</sup>         | S ?FUSION?/BI (15A) 1E-8-2E-8 /VOL                |
| /VOLT                   | Voltage                                     | V (Volt)               | S CALIBRAT?/BI(10A) 5E-<br>3<VOLT<7E-3            |

(1) Exponential format is recommended for the search of particularly high or low values, e.g. 1.8E+7 or 1.8E7 (for 18000000) and 9.2E-8 (for 0.00000092).

## DWPI Compound Numbers (/DCN) Thesaurus

For DWPI Compound Numbers (/DCN), the USE/UF relationships are available to see the definitions. All relationship codes can be used with both the EXPAND and SEARCH commands.

| Field | Relationship Code | Content                                                                                    | Search Examples                                              |
|-------|-------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| /DCN  | ALL<br>UF<br>USE  | All associated terms (SELF, USE, UF)<br>Used for terms (SELF, UF)<br>Use terms (SELF, USE) | E R09609+ALL/DCN<br>E R22401+UF/DCN<br>E ACETIC ACID+USE/DCN |

## DWPI Registry Numbers (/DRN) Thesaurus

For DWPI Registry Numbers (/DRN), the USE/UF relationships are available to see the definitions. All relationship codes can be used with both the EXPAND and SEARCH commands.

| Field | Relationship Code | Content                                                                                    | Search Examples                                          |
|-------|-------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------|
| /DRN  | ALL<br>UF<br>USE  | All associated terms (SELF, USE, UF)<br>Used for terms (SELF, UF)<br>Use terms (SELF, USE) | E 0495+ALL/DRN<br>E 1314+UF/DRN<br>E ACETIC ACID+USE/DRN |

## Polymer Indexing Thesaurus

DWPI Polymer Indexing Thesaurus is available online in field /PLE. All relationship codes can be used with both the EXPAND and SEARCH commands.

| Field | Relationship Code                        | Content                                                                                                                                                                                                                                                                                                                                                                                  | Search Examples                                                                                                                                             |
|-------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /PLE  | ALL<br>AUTO (1)<br>BT<br>HIE<br>KT<br>NT | All Associated Terms (BT, SELF, NOTE, USE, SEE, UF, NT, RT)<br>Automatic Relationship (SELF, USE, UF)<br>Broader Terms (also BT1=1 <sup>st</sup> Level, BT2=2 <sup>nd</sup> Level etc.)<br>Hierarchy Terms (BT, SELF, NT)<br>Keyword Terms (Multi-word Phrases containing the specified Keyword Term)<br>Narrower Terms (also NT1=1 <sup>st</sup> Level, NT2=2 <sup>nd</sup> Level etc.) | E Q8457+ALL/PLE<br>E CANS<APPLICATIONS>+ALL/PLE<br>E BY-PRODUCTS/PLE<br>S E4+AUTO<br>E Q8457+BT/PLE<br>E Q8399+HIE/PLE<br>E POLYOL+KT/PLE<br>E Q8399+NT/PLE |



## Polymer Indexing Thesaurus (cont'd)

| Field | Relationship Code | Content                                                              | Search Examples                                                |
|-------|-------------------|----------------------------------------------------------------------|----------------------------------------------------------------|
|       | RT<br>UF          | Related Terms (see also)<br>Used for (Preferred and Forbidden Terms) | E Q7034+RT/PLE<br>E DIELECTRIC CONSTANT<br><PROPERTIES>+UF/PLE |
|       | USE               | Use (Forbidden and Preferred Terms)                                  | E POWER FACTOR/PLE                                             |

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

## Plasdoc Key Serials Dictionary

The Plasdoc Key Serials codes in field /KS can be looked up in an online dictionary. You may expand on the definitions for the codes in field /KS, e.g., => E GASEOUS/KS will provide an alphabetical list around the term gaseous. The list also shows the number of codes associated with the term (AT column).

| Field | Relationship Code | Content                          | Search Examples  |
|-------|-------------------|----------------------------------|------------------|
| /KS   | ALL               | All Associated Terms (CODE, DEF) | E GASEOUS+ALL/KS |

## Manual Codes Thesauri (CPI AND EPI)

| Field | Relationship Code           | Content                                                                                                                                             | Search Examples                                                                |
|-------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| /MC   | ALL<br>AUTO (1)<br>BT<br>NT | All Associated Terms (BT, SELF, HNTE, DEF, NT)<br>Automatic Relationship (SELF, HNTE, DEF)<br>Broader Terms (BT, SELF)<br>Narrower Terms (NT, SELF) | E A03-A04A1+ALL/MC<br>E S01-B05+AUTO/MC<br>E S06-B02A+BT/MC<br>S S06-B02+NT/MC |

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

## DWPI Title Terms

For the DWPI Title Terms, the preferred and controlled spelling of the words that occur in the title, the USE/UF (Used For) relationship is available for both the EXPAND and SEARCH commands. The automatic relationship is SET ON by default, so that forbidden terms will cause automatic retrieval of the preferred terms in a SEARCH.

| Field | Relationship Code            | Content                                                                                                                                                                              | Search Examples                                                                   |
|-------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| /TT   | ALL<br>AUTO (1)<br>UF<br>USE | All Associated Terms (SELF, USE, UF)<br>Automatic Relationship (SELF, USE)<br>Used for (Preferred and Forbidden Terms - SELF, UF)<br>Use (Forbidden and Preferred Terms - SELF, USE) | E ABLATION+ALL/TT<br>S ABLATE+AUTO/TT<br>E FABRICATE+UF/TT<br>S FABRICATED+USE/TT |

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

## Patent Assignee Code Dictionary

The list of Clarivate Analytics (UK) Limited-assigned company codes for patent assignees matched with company names is available in field /PACO. This feature allows you to easily and comprehensively identify the company names associated with a code, or to identify the code(s) used for a company name. Expanding in field /PACO (Patent Assignee Code) provides the alphabetical list of codes, single words and the full name from the company field (/PA). Each code is listed with its frequency in field /PACO and with the number of associated terms (AT) in the dictionary.

| Field | Relationship Code | Content                                                                                     | Search Examples                     |
|-------|-------------------|---------------------------------------------------------------------------------------------|-------------------------------------|
| /PACO | ALL<br>DEF        | All patent assignee code(s) defined for the name<br>All name definitions for the given code | E BAYER+ALL/PACO<br>E FARB+DEF/PACO |

## IPC Thesaurus

The classifications and catchwords for the main headings and subheadings from the current (8<sup>th</sup>) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-7, use the field code followed by the edition number, e.g., /IPC2, for the 2<sup>nd</sup> edition. Catchwords are included only in the thesauri for the 8<sup>th</sup>, 7<sup>th</sup>, 6<sup>th</sup>, and 5<sup>th</sup> editions.

| Relationship Code                                                                                                                  | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Search Examples                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADVANCED (ADV)<br>ALL<br>BRO (MAN)<br>BT<br>CORE (COR)<br>ED<br><br>HIE<br><br>INDEX<br>KT<br>NEXT<br>NT<br>PREV<br>RT (SIB)<br>TI | Advanced Codes for the Core Level IPC code<br>All Associated Terms (BT, SELF, NT, RT)<br>Complete Class<br>Broader Term (SELF, BT)<br>Core Codes for the Advanced Level IPC code<br>Complete title of the SELF term and IPC manual edition<br>Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)<br>Complete title of the SELF term<br>Keyword Term (catchwords) (SELF, KT)<br>Next Classification<br>Narrower Terms (SELF, NT)<br>Previous Classification<br>Related Terms (SELF, RT)<br>Complete Title of the SELF Term and Broader Terms (BT, SELF) | E A61K006-02+ADV/IPC<br>E C01C003-00+ALL/IPC<br>E C01C+BRO/IPC<br>E C01F001-00+BT/IPC<br>E C03B0001-02+COR/IPC<br>E C01F001-00+ED/IPC<br><br>E C011003-00+HIE/IPC<br><br>E C01F001-00+INDEX/IPC<br>E CYANOGEN+KT/IPC<br>E C01C001-00+NEXT5/IPC<br>E C01C+NT/IPC<br>E C01C001-12+PREV10/IPC<br>E C01C003-20+RT/IPC<br>E C01F001-00+TI/IPC |

## F-Term (/FTERM) Thesaurus

This thesaurus is available in the F-Term (/FTERM) field that contains patent classification from the Japanese Patent Office from February 2009 to the present.

| Relationship Code                                        | Content                                                                                                                                                                                                                                                                                                                     | Search Examples                                                                                                                                                                                                                     |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALL<br>BT<br>CODE<br>DEF<br>HIE<br>KT<br>NT<br>RFI<br>TI | All associated terms (BT, SELF, NT, RT)<br>Broader Term (SELF, BT)<br>Code for the thesaurus text term<br>Definition<br>Hierarchy Terms (all broader and narrower terms)<br>Keyword Term<br>Narrower Term<br>Related F1 (File Indexing) classification Term<br>Complete Title of the SELF Term and Broader Terms (BT, SELF) | E 2B002/AA05+ALL/FTERM<br>E 2B002/AA05+BT/FTERM<br>E 2B002/BA13+CODE/FTERM<br>E 2B002/BA13+DEF/FTERM<br>E 2B002/AA05+HIE/FTERM<br>E 2B002/AA05+KT/FTERM<br>E 2B002/AA09+NT/FTERM<br>E 2B002/AA09+RFI/FTERM<br>E 2B002/AA09+TI/FTERM |

## FI-Term (/FCL) Thesaurus

This thesaurus is available in the FI-Term (/FCL) field that contains patent classification from the Japanese Patent Office.

| Relationship Code                                                | Content                                                                                                                                                                                                                                                                                  | Search Examples                                                                                                                                                                                                                        |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALL<br>BT<br>DEF<br>HIE<br>INDX<br>MAX<br>NOTE<br>NT<br>RT<br>TI | All usually required associated terms<br>Broader Term (SELF, BT)<br>Definition<br>Hierarchy Terms (all broader and narrower terms)<br>Index Note<br>All associated Terms<br>Scope Notes<br>Narrower Term<br>Related Term<br>Complete Title of the SELF Term and Broader Terms (BT, SELF) | E A01B0003-00+ALL/FCL<br>E H02B0001-02+BT/FCL<br>E H05B0041-392+DEF/FCL<br>S H02B0001-02C+HIE/FCL<br>E C07C CSP+INDX/FCL<br>E B01B0001-08+MAX/FCL<br>E B23D+NOTE/FCL<br>E H05B0041-392+NT/FCL<br>E H05B+RT/FCL<br>E A01B0001-12+TI/FCL |

## US National Patent Classification (/NCL) Thesaurus

The US National Patent Classification thesaurus is available online in field /NCL. All relationship codes can be used with both the EXPAND and SEARCH commands.

| Relationship Code                                                                                              | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Search Examples                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALL<br>AUTO (1)<br>BT<br>CODE<br>DEF<br>HIE<br>KT<br>MAX<br><br>NEXT<br>NEXT(n)<br>NT<br>PREV<br>PREV(n)<br>TI | All usually required terms (BT, SELF, DEF, NT)<br>Automatic relationship (BT, SELF, DEF, NT)<br>Broader Terms (BT, SELF)<br>Classification Code (SELF, CODE)<br>Definition (SELF, DEF, DEF2, DEF3, DEF4)<br>Hierarchy Terms (BT, SELF, DEF, NT)<br>Keyword Terms (SELF, KT)<br>All associated Terms (BT, SELF, DEF, DEF2, DEF3, DEF4, NT, KT)<br>Next classification within the same class<br>Next n classifications within the same class<br>Narrower Terms (SELF, NT)<br>Previous Code within the same class<br>Previous n classifications within the same class<br>Complete title of the SELF and the Broader Terms including their definitions (BT (DEF), SELF, DEF) | E 257E21685+ALL/NCL<br>E 02416300R+AUTO/NCL<br>E 02416300R+BT/NCL<br>E APPAREL+CODE/NCL<br>E G9B031001+DEF/NCL<br>E 23548700+HIE/NCL<br>E APPAREL+KT/NCL<br>E G9B031000+MAX/NCL<br><br>E G9B033035+NEXT/NCL<br>E G9B033035+NEXT2/NCL<br>S 257E21685+NT/NCL<br>E 235462260+PREV/NCL<br>E 235462260+PREV3/NCL<br>E 052002110+TI/NCL |

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

## CPC, ECLA (/EPC) and ICO Thesauri

These thesauri are available in the /CPC search field, /EPC search field (for ECLA codes) and /ICO search field ('in-computer-only') Classification. All relationship codes can be used with both the EXPAND and SEARCH commands.

| Relationship Code                                                        | Content                                                                                                                                                                                                                                                                                                                                                                              | Search Examples                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ALL<br>AUTO (1)<br>BT<br>CODE<br><br>DEF<br>HIE<br><br>KT<br>MAX<br>NEXT | All usually required terms (BT, SELF, CODE, DEF)<br>Automatic relationship (BT, SELF, CODE, DEF)<br>Broader terms (BT, SELF)<br>Classification Code (SELF, CODE)<br><br>Definition (SELF, DEF)<br>Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)<br>Keyword terms (SELF, KT)<br>All associated terms<br>Next classification within the same class (SELF, NEXT) | E C12M0001-34H2+ALL/EPC<br>E G01J003-443+AUTO/EPC<br>E G01J0003-443+BT/EPC<br>E SCRAPER BIASING<br>MEANS+CODE/EPC<br>E B65G0045-16+DEF/EPC<br>E A01B0001+HIE/EPC<br><br>E LASER+KT/EPC<br>E G01J0003-44B+MAX/EPC<br>E A01B0001-24+NEXT/EPC |

**CPC, ECLA (/EPC) and ICO Thesauri (cont'd)**

| Relationship Code                      | Content                                                                                                                                                                                                                              | Search Examples                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| NEXT(n)<br>NT<br>PREV<br>PREV(n)<br>TI | Next n classification within the same class<br>Narrower term<br>Previous Code within the same class (SELF, PREV)<br>Previous n classifications within the same class<br>Complete Title of the SELF Term and Broader Terms (BT, SELF) | E A01B0001-24+NEXT3/EPC<br>S G05B0001-03+NT/EPC<br>E L60H0001:00A+PREV/ICO<br>E L60H0001:00A+PREV1/ICO<br>E G05B0001-03+TI/EPC |

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

**DISPLAY and PRINT Formats**

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

| Format                     | Content                                                            | Examples |
|----------------------------|--------------------------------------------------------------------|----------|
| AB                         | Abstract (Basic)                                                   | D AB     |
| ABDT (1)                   | Abstract, Documentation Type                                       | D ABDT   |
| ABEQ                       | Abstract, Equivalent                                               | D ABEQ   |
| ABEX (1)                   | Abstract, Extension                                                | D ABEX   |
| ACTN                       | Mechanism of Action                                                | D ACTN   |
| ACTV                       | Activity                                                           | D ACTV   |
| ADT (2)                    | Application Details                                                | D ADT    |
| ADT.B (2)                  | Application Details, Basic                                         | D ADT.B  |
| ADV                        | Advantage                                                          | D ADV    |
| AI (AP, AI.B) (2)          | Application Information                                            | D AI     |
| ALE                        | Alerting Abstract, First Section                                   | D ALE    |
| AN                         | Accession Number                                                   | D AN     |
| ANX                        | Crossover Accession Number                                         | D ANX    |
| AW                         | Additional Words                                                   | D AW     |
| CC                         | Classification Code (Substance Descriptor)                         | D CC     |
| CMC                        | Chemical Code                                                      | D CMC    |
| CPC                        | Cooperative Patent Classification                                  | D CPC    |
| CR (XR)                    | Cross Reference                                                    | D CR     |
| CYC                        | Country Count                                                      | D CYC    |
| DC                         | DWPI Class                                                         | D DC     |
| DCN                        | DWPI Compound Number                                               | D DCN    |
| DN                         | Document Number (DNC and DNN)                                      | D DN     |
| DNC                        | Document Number CPI                                                | D CNC    |
| DNN                        | Document Number Non CPI                                            | D DNN    |
| DRN                        | DWPI Registry Number                                               | D DRN    |
| DRWN                       | Number of Drawings                                                 | D DRWN   |
| DS                         | Designated State                                                   | D DS     |
| DUPD                       | DWPI Update                                                        | D DUPD   |
| ED                         | Entry Date                                                         | D ED     |
| EPC (ECLA, EPCLA)          | European Patent Classification                                     | D EPC    |
| FA                         | Field Availability                                                 | D FA     |
| FCL (JPC)                  | Japanese Patent Office Classification (FI or File Index)           | D FCL    |
| FDT                        | Filing Details                                                     | D FDT    |
| FG (AM)                    | Fragment Code                                                      | D FG     |
| FS                         | File Segment                                                       | D FS     |
| FTRM (FTERM, FTCLA, JPCLA) | Japanese Patent Office Classification (FTERM or File Forming Term) | D FTRM   |
| GI                         | Graphic Information                                                | D GI     |
| GINF (GIS)                 | Graphic Image(s) Information                                       | D GINF   |
| IC                         | International Patent Classification                                | D IC     |
| ICA                        | IPC, Additional (Supplementary)                                    | D ICA    |

## DISPLAY and PRINT Formats (cont'd)

| Format            | Content                                              | Examples |
|-------------------|------------------------------------------------------|----------|
| ICI               | IPC, Index (Complementary)                           | D ICI    |
| ICM               | IPC, Main                                            | D ICM    |
| ICO               | ICO (in-computer-only) Classification                | D ICO    |
| ICS               | IPC, Secondary                                       | D ICS    |
| IN (AU)           | Inventor                                             | D IN     |
| IPCI              | IPC, Initial                                         | D IPCI   |
| IPCR              | IPC, Reclassified                                    | D IPCR   |
| IT                | Index Term                                           | D IT     |
| KS                | Plasdoc Key Serials                                  | D KS     |
| M0-M6             | Chemical Codes                                       | D M0     |
| MC                | Manual Code                                          | D MC     |
| NCL               | US National Patent Classification, Current           | D NCL    |
| NOV               | Novelty                                              | D NOV    |
| PA (CS)           | Patent Assignee (incl. code)                         | D PA     |
| PI (2,3)          | Patent Information (including designated states)     | D PI     |
| PI.B (PN.B) (2,3) | Patent Information, Basic                            | D PI.B   |
| PIA (2)           | Patent Information Abbreviated                       | D PIA    |
| PIA.B (2)         | Patent Information Abbreviated, Basic                | D PIA.B  |
| PLC               | Polymer Coding Plasdoc                               | D PLC    |
| PLE               | Polymer Indexing Enhanced                            | D PLE    |
| PN (2,3)          | Patent Information (without designated states)       | D PN     |
| PNK               | Patent Number/Kind Code                              | D PNK    |
| PNK.B             | Patent Number/Kind Code, Basic                       | D PNK.B  |
| PNC               | Patent Number Count                                  | D PNC    |
| PRAI (PRN) (2)    | Priority Information                                 | D PRAI   |
| RIN               | Ring Index Number                                    | D RIN    |
| TECH              | Technology Focus                                     | D TECH   |
| TI                | Title                                                | D TI     |
| TT                | Title Terms                                          | D TT     |
| UADV              | Use/Advantage Section                                | D UADV   |
| UP                | Update Date                                          | D UP     |
| UPA               | Update Date Polymer Indexing                         | D UPA    |
| UPAB              | Update Date Abstract                                 | D UPAB   |
| UPB               | Update Date Chemical Code                            | D UPB    |
| UPDA              | Update Date Documentation Abstract                   | D UPDA   |
| UPEQ              | Update Date Equivalent                               | D UPEQ   |
| UPGI              | Update Date Graphic Image                            | D UPGI   |
| UPIC              | Update Date International patent Classification Code | D UPIC   |
| UPIN              | Update Date Inventor                                 | D UPIN   |
| UPIT              | Update Date Index Terms                              | D UPIT   |
| UPPA              | Update Date Patent Assignee                          | D UPPA   |
| UPPI              | Update Date Patent Information                       | D UPPI   |
| UPPR              | Update Date Priority Information                     | D UPPR   |
| UPS               | Update Date SDI                                      | D UPS    |
| UPTI              | Update Date Enhanced Title                           | D UPTI   |
| USE               | Use                                                  | D USE    |

(1) This field is available in WPIX only.

(2) Application, priority and patent numbers are available in Derwent and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the Derwent format. To change to the STN format again, enter 'SET PAT STN'.

(3) Basic patents are identified with an asterisk (\*), Equivalent-Treated-as-Basic are identified with a capital letter B, and Non-Conventional Equivalents are identified with a hash mark (#).

## Bibliographic Segment Predefined Formats

| Format         | Content                                                                                                                                                                                                                                                                                                                                                              | Examples             |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| ABS<br>ALL (1) | AN, CR, AB, UPAB, ABEQ<br>all invention level data available for a given record, excluding the Equivalent (ABEQ), Documentation (ABDT), and Extension (ABEX) abstracts and the chemical coding and polymer indexing: AN, CR, ANX, DNC, DNN, TI, DC, IN, PA, CYC, PI, ADT, FDT, PRAI, IPC, CPC, EPC, ICO, NCL, FCL, FTRM, AB, UPAB, FS, MC. Short compressed version. | D TI PA ABS<br>D ALL |

## Bibliographic Segment Predefined Formats (cont'd)

| Format                                                                                             | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Examples                                                                                                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| ALLG (1)<br>DALL (1)<br>IALL (1)<br>IALL.G (1)<br>ANL<br>APPS (1)<br>BASIC (1)                     | ALL, plus graphic image<br>ALL, delimited for post processing<br>ALL, indented with text labels<br>ALLG, indented with text labels<br>Accession Number List only<br>ADT, PRAI<br>AN, CR, ANX, DNC, DNN, TI, DC, IN, PA, PNC, CYC, PI.B, ADT.B,<br>PRAI, AB, UPAB, FS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D ALLG<br>D DALL<br>D IALL<br><br>D ANL<br>D APPS                                                                          |
| BIB (1)<br>IBIB (1)<br>BRIEF<br>BRIEFG<br>IBRIEF<br>IBRIEFG<br>CPC.TAB<br>FAM (1)<br>FULL (1,2)    | AN, CR, DNC, DNN, TI, DC, IN, PA, CYC, PIA, ADT, FDT, PRAI<br>BIB, indented with text labels<br>AN, CR, ANX, DNC, DNN, TI, DC, PA, AB, UPAB<br>BRIEF, plus graphic image<br>BRIEF, indented with text labels<br>BRIEFG, indented with text labels<br>CPC, in tabular format<br>PI, ADT, FDT, PRAI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D BIB<br>D IBIB<br>D BRIEF<br>D BRIEFG<br>D IBRIEF<br>D IBRIEFG<br>D CPC.TAB<br>D FAM<br>D FULL                            |
| FULLG (1,2)<br>IFULL (1,2)<br>IFULLG (1,2)<br>CODE (IND)<br>IPC<br>IPC.TAB<br>MAX (1,2)            | all invention level data available for a given record plus Technology Focus (TECH) and Documentation (ABDT) or Extension abstracts (ABEX), excluding the Equivalent abstracts (ABEQ) and the chemical coding and polymer indexing: AN, CR, ANX, DNC, DNN, TI, DC, IN, PA, CYC, PI, ADT, FDT, PRAI, IPC, CPC, EPC, ICO, NCL, FCL, FTRM, AB, UPAB, FS, MC, TECH, ABDT, ABEX. Short compressed version.<br>FULL, plus graphic image<br>FULL, indented with text labels<br>FULLG, indented with text labels<br>AN, DC, IPC, CPC, EPC, FCL, FTRM, MC, IT, DRN, PLE, PLC, CMC<br>IC (ICM, ICS), ICA, ICI, IPCI, IPCR<br>International Patent Classification, in tabular version<br>all invention level data available for a given record, including the chemical coding, and polymer indexing as well as Equivalent (ABEQ), Documentation (ABDT) and Extension (ABEX) abstracts: AN, ED, CR, ANX, DNC, DNN, TI, AW, DC, IN, PA, CYC, PI, ADT, FDT, PRAI, IPC, CPC, EPC, ICO, NCL, FCL, FTRM, AB, UPAB, SL, ABEQ, TECH, ABEX, ABDT, IT, FS, MC, DRN, PLE, PLC, CMC | D FULLG<br>D IFULL<br>D IFULLG<br>D CODE<br>D IPC<br>D IPC.TAB<br>D MAX                                                    |
| MAXG (1,2)<br>IMAX (1,2)<br>IMAXG (1,2)<br>PATS (1)<br>SCAN (3)<br>STD (1)                         | MAX, plus GI, GINF<br>MAX, indented with text labels<br>MAXG, indented with text labels<br>PI, FDT<br>TI (random display, no answer numbers)<br>AN, CR, DNC, DNN, TI, DC, IN, PA, CYC, PI, ADT, FDT, PRAI, IPC<br>(STD is the default)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D MAXG<br>D IMAX<br>D IMAXG<br>D PATS<br>D SCAN<br>D STD                                                                   |
| ISTD (1)<br>SUM<br>TRIAL (TRI, SAMPLE, SAM)<br>UPP<br>XMLDOC (4)                                   | STD, indented with text labels<br>AN, TI, NOV<br>AN, CR, ANX, DNC, DNN, TI, DC, IPC, CPC, EPC, ICO, MC<br><br>Update Patent Family (contains date plus patent family information)<br>Retrieve documents in XML format                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D ISTD<br>D SUM<br>D TRIAL<br><br>D UPP<br>D XMLDOC                                                                        |
| HIT<br>HITCMC<br>HITCODE<br>HITMEMB<br>HITPLC<br>HITPLE<br>HITSTR<br>FRAGHITSTR<br><br>KWIC<br>OCC | Hit term(s) and field(s)<br>Hit chemical coding<br>CMC, EPC, IPC, NCL, MC, PLC, PLE, containing hit terms<br>All individual publications containing hit terms<br>Hit polymer coding<br>Hit polymer indexing<br>DCR hit record which led to the retrieval of the bibliographic record<br>DCR specific chemical structure for a fragment code hit records which led to the retrieval of bibliographic record<br>Up to 50 words before and after hit term(s) (KeyWord-In-Context)<br>Number of occurrences of hit term(s) and field(s) in which they occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D HIT<br>D HITCMC<br>D HITCODE<br>D HITMEMB<br>D HITPLC 1-5<br>D HITPLE<br>D HITSTR<br>D FRAGHITSTR<br><br>D KWIC<br>D OCC |

- (1) Application, priority and patent numbers are available in Derwent and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the Derwent format. To change to the STN format again, enter 'SET PAT STN'.
- (2) ABDT and ABEX are available in WPIX only.
- (3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.
- (4) Only valid in WPIX.

## Additional DWPI individual Patent Publication (often First Level Data) Display and Print Formats

| Format     | Content                                                | Examples |
|------------|--------------------------------------------------------|----------|
| ABDE       | Abstract, Original, in German                          | D ABDE   |
| ABEN       | Abstract, Original, in English                         | D ABEN   |
| ABES       | Abstract, Original, in Spanish                         | D ABES   |
| ABFR       | Abstract, Original, in French                          | D ABFR   |
| ABOL       | Abstract, Original, other languages                    | D ABOL   |
| AG         | Agent                                                  | D AG     |
| AG.T       | Agent, Total                                           | D AG.T   |
| AGA        | Agent Address                                          | D AGA    |
| AN.PUB     | Accession Number, Publication Level                    | D AN.PUB |
| APTS       | Application Information, Clarivate Analytics           | D APTS   |
| CLM (MCLM) | Claims (CLMEN, CLMDE, CLMFR)                           | D CLM    |
| CLMDE (1)  | Claims, in German                                      | D CLMDE  |
| CLMEN (1)  | Claims, in, English                                    | D CLMEN  |
| CLMFR (1)  | Claims, in French                                      | D CLMFR  |
| FS.M       | File Segment (Individual Patent Publication Section)   | D FS.M   |
| GI.M       | Graphic Information, Member Patent                     | D GI.M   |
| IIC        | Initial International Patent Classification (ICM, ICS) | D IIC    |
| IICA       | Initial IPC, Additional (supplementary)                | D IICA   |
| IICI       | Initial IPC, Index (complementary)                     | D IICI   |
| IICM       | Initial IPC, Main                                      | D IICM   |
| IICS       | Initial IPC, Secondary                                 | D IICS   |
| IN.T       | Inventor, Total                                        | D IN.T   |
| INA        | Inventor Address                                       | D INA    |
| INCL       | National Classification, Issued                        | D INCL   |
| INO        | Inventor, Original                                     | D INO    |
| PA.T       | Patent Assignee, Total                                 | D PA.T   |
| PAA        | Patent Assignee Address                                | D PAA    |
| PAO        | Patent Assignee, Original                              | D PAO    |
| PRTS       | Priority Application Information, Clarivate Analytics  | D PRTS   |
| TIDE       | Title, Original, in German                             | D TIDE   |
| TIEN       | Title, Original, in English                            | D TIEN   |
| TIES       | Title, Original, in Spanish                            | D TIES   |
| TIFR       | Title, Original, in French                             | D TIFR   |

(1) Custom display only.

## Additional DWPI individual Patent Publication (often First Level Data) Predefined Formats

| Format                | Content                                                                                                                                                                                                                                                                                                                                                                                                                                         | Examples              |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| IPC.TAB.M<br>MEMB (1) | International Patent Classification, in tabular version<br>all additional publication level data available for a given record including original abstracts and claims, as well as fields showing publication level composition: PN, TIEN, TIDE, TIFR, TIES, AG, IN, INO, INA, PA, PAO, PAA, ADT, APTS, FDT, PRAI, PRTS, IPC, CPC, IIC, IICI, IICA, EPC.M, ICO.M,<br>NCL.M, INCL, FCL, FTRM, ABEQ, ABEN, ABDE, ABFR, ABES, ABOL, CLM, UPCL, FS.M | D IPC.TAB.M<br>D MEMB |

### Additional DWPI individual Patent Publication (often First Level Data) Predefined Formats (cont'd)

| Format                                | Content                                                                                                                                                                                                                                                                                                                                                                                          | Examples |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| MEMBG (1)<br>MEMB(#) (1)<br>MEMBB (1) | MEMB, short compressed version, plus graphic image<br>MEMB, where # = number of the patent publication in the family<br>all additional publication level data available for a given record including original abstracts and claims, as well as fields showing publication level composition: PN, TI, TIEN, TIDE, TIFR, TIES, AG.T, IN.T, PA.T, ABEN, ABDE, ABFR, ABES, ABOL, CLMEN, CLMDE, CLMFR | D MEMBG  |
| MEMBF (1,2)                           | all publication level data available for a given record<br>AN, ED, CR, ANX, DNC, DNN, TI, TIEN, TIDE, TIFR, TIES, AW, DC, AG, IN, INO, INA, PA, PAO, PAA, CYC, PI, ADT, APTS, FDT, PRAI, PRTS, IPC, CPC.M, IIC, IICI, IICA, EPC.M, ICO.M, NCL.M, INCL, FCL, FTRM, AB, ABEQ, TECH, ABEX, ABDT, ABDE, ABEN, ABFR, ABES, ABOL, CLM, UPCL, IT, FS.M, MC, DRN, PLE, CMC                               | D MEMBF  |
| MEMBFG (1,2)<br>MEMBF(#) (1,2)        | MEMBF, plus graphic image<br>MEMBF, where # = number of the patent publication in the family                                                                                                                                                                                                                                                                                                     |          |

(1) Application, priority and patent numbers are available in DERWENT and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the DERWENT format. To change to the STN format again, enter 'SET PAT STN'.

(2) ABDT and ABEX are available in WPIX only.

### Chemistry Resource Segment Display and Print Formats

| Format                                                                                                                                                           | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Examples                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| AN.S<br>CC<br>CMT<br>CN<br>CN.P<br>CN.S<br>CT<br>DCSE<br>DDRN<br>EDCR<br>IT<br>MF<br>MW<br>SCR<br>SDCN<br>SDRN<br>SMF<br>SRIN<br>SS<br>STR<br>SY<br>UPCR<br>UPWX | Chemistry Resource Accession Number, Chemistry Resource Segment<br>Classification Code<br>Comment<br>Chemical Name<br>Chemical Name, Preferred<br>Chemical Name, Systematic<br>Controlled Term<br>Chemistry Resource Number, Chemistry Resource Segment<br>Derwent Drug Registry Name<br>Entry Date Chemistry Resource<br>Index Term<br>Molecular Formula<br>Molecular Weight<br>Structure Cross Reference<br>Structure Segment DWPI Compound Number<br>Structure Segment DWPI Registry Number<br>Standardized Molecular Formula<br>Structure Segment Ring Index Number<br>Substructure Terms<br>Chemical Structure Display<br>Synonym Name<br>Update Date DWPI Chemistry Resource<br>Update Date DWPI Cross Reference | D AN.S<br><br><br><br><br><br><br><br><br><br>D IT<br><br><br><br><br><br><br><br><br><br>D SCDN<br><br><br><br><br><br><br><br><br><br>D UPWX |

### Chemistry Resource Segment Predefined Formats

| Format                               | Content                                                                                                                                                           | Examples |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ALL (FULL)<br>ALLSTR<br>IALL (IFULL) | AN.S, DSCE, CN, CN.S, STR, SCR, CMT, MF, SMF, MW, SRIN, SDCN, SDRN, CC<br>All structures pertaining to a bibliographic document<br>ALL, indented with text labels |          |



## Chemistry Resource Segment Predefined Formats (cont'd)

| Format                   | Content                                                                                    | Examples   |
|--------------------------|--------------------------------------------------------------------------------------------|------------|
| MAX                      | AN.S, DCSE, CN, CN.S, STR, SCR, CMT, MF, SMF, MW, SRIN, SDCN, SDRN, DDRN, DCRN, CC, CT, SS | D MAX      |
| IMAX                     | MAX, indented with text labels                                                             | D IMAX     |
| SCAN (1)                 | CN, CN.S, MF, STR (random display without answer numbers)                                  | D STD      |
| STD (IDE)                | AN.S, DCSE, CN, CN.S, STR, SCR, CMT, MF (STD is the default)                               | D STD      |
| ISTD                     | STD, indented with text labels                                                             | D TRI 3-10 |
| TRIAL (TRI, SAMPLE, SAM) | CN, CN.S, MF, MTY, STR                                                                     | D TRI 3-10 |
| HIT                      | Hit term(s) and field(s)                                                                   | D HIT      |
| KWIC                     | Up to 50 words before and after hit term(s) (KeyWord-In-Context)                           | D KWIC     |
| OCC                      | Number of occurrences of hit term(s) and field(s) in which they occur                      | D OCC      |

(1) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

| Field Name                                              | Field Code   | ANALYZE/<br>SELECT (1) | SORT |
|---------------------------------------------------------|--------------|------------------------|------|
| Abstract (Basic)                                        | AB           | Y                      | N    |
| Abstract, Documentation Type                            | ABDT         | Y (2)                  | N    |
| Abstract, Extension                                     | ABEX         | Y (2)                  | N    |
| Accession Number                                        | AN           | Y                      | Y    |
| Activity                                                | ACTV         | Y                      | Y    |
| Additional Words                                        | AW           | Y (3)                  | Y    |
| Advantage                                               | ADV          | Y                      | Y    |
| Alerting Abstract, First Section                        | ALE          | Y                      | Y    |
| Application Country                                     | AC           | Y                      | N    |
| Application Date                                        | AD           | Y                      | N    |
| Application Number                                      | AP (AI, ADT) | Y (4)                  | N    |
| Application Number Group                                | APPS         | Y (4,5)                | N    |
| Application Number, Year                                | AP.YR        | Y                      | N    |
| Application Year                                        | AY           | Y                      | N    |
| Chemical Codes                                          | M0-M6        | Y                      | Y    |
| Chemical Resource Number                                | DCR          | Y                      | N    |
| Chemical Resource Number, without role                  | DCR.WR       | Y                      | N    |
| Chemical Resource Number, without role, with DCR-prefix | DCR.WRS      | Y (6)                  | N    |
| Cooperative Patent Classification                       | CPC          | Y                      | N    |
| Country Count                                           | CYC          | Y                      | Y    |
| Cross Reference                                         | CR (XR)      | Y                      | N    |
| Crossover Accession Number                              | ANX          | Y                      | N    |
| Designated State                                        | DS           | Y                      | N    |
| Document Number                                         | DN           | Y (7)                  | N    |
| Document Number CPI                                     | DNC          | Y                      | Y    |
| Document Number Non CPI                                 | DNN          | Y                      | Y    |
| DWPI Class                                              | DC           | Y                      | Y    |
| DWPI Registry Number                                    | DRN          | Y                      | N    |
| DWPI Update                                             | DUPD         | Y                      | Y    |
| DWPI Week                                               | DW           | Y (8)                  | Y    |
| DWPI Week, Basic                                        | DW.B         | Y (8)                  | N    |

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

| Field Name                                                                                     | Field Code                    | ANALYZE/<br>SELECT (1) | SORT |
|------------------------------------------------------------------------------------------------|-------------------------------|------------------------|------|
| Entry Date                                                                                     | ED                            | Y                      | Y    |
| European Patent Classification                                                                 | EPC (ECLA,<br>EPCLA)          | Y                      | N    |
| File Segment                                                                                   | FS                            | Y                      | Y    |
| Filing Details                                                                                 | FDT                           | Y                      | N    |
| Filing Details, Patent Country                                                                 | FDT.PC (RLPC)                 | Y                      | N    |
| Filing Details, Patent Kind                                                                    | FDT.PK (RLPK)                 | Y                      | N    |
| Filing Details, Patent Number                                                                  | FDT.PN (RLPN)                 | Y                      | N    |
| Filing Details, Type                                                                           | FDT.TP                        | Y                      | N    |
| Fragment Code                                                                                  | FG (AM)                       | Y                      | Y    |
| Graphic Information Size                                                                       | GIS                           | Y                      | N    |
| ICO (in-computer-only) Classification                                                          | ICO                           | Y                      | Y    |
| International Patent Classification (ICM, ICS, ICA, ICI, IPCI, PCR,<br>IICM, IICS, IICA, IICI) | IPC                           | Y                      | N    |
| Inventor                                                                                       | IN (AU)                       | Y                      | Y    |
| IPC Advanced Level                                                                             | IPC.A                         | Y (9)                  | N    |
| IPC Advanced Level, Invention                                                                  | IPC.AI                        | Y (9)                  | N    |
| IPC Core Level                                                                                 | IPC.C                         | Y (9)                  | N    |
| IPC Core Level, Invention                                                                      | IPC.CI                        | Y (9)                  | N    |
| IPC Reform                                                                                     | IPC.REF                       | Y                      | N    |
| IPC, Additional (supplementary)                                                                | ICA                           | Y                      | Y    |
| IPC, Index (complementary)                                                                     | ICI                           | Y                      | Y    |
| IPC, Initial                                                                                   | IPCI                          | Y (10)                 | N    |
| IPC, Main                                                                                      | ICM                           | Y                      | Y    |
| IPC, Main and Secondary                                                                        | IC                            | Y                      | Y    |
| IPC, Main or First                                                                             | IPC.F                         | Y (9)                  | Y    |
| IPC, Reclassified                                                                              | IPCR                          | Y (10)                 | N    |
| IPC, Secondary                                                                                 | ICS                           | Y                      | N    |
| Japanese Patent Office Classification (FI Class) (Additional)                                  | FACL                          | Y                      | N    |
| Japanese Patent Office Classification (FI Class) (Index)                                       | FICL                          | Y                      | N    |
| Japanese Patent Office Classification (FI Class) (Main)                                        | FMCL                          | Y                      | N    |
| Japanese Patent Office Classification (FI Class) (Secondary)                                   | FSCL                          | Y                      | N    |
| Japanese Patent Office Classification (FI or File Index)                                       | FCL (JPC)                     | Y                      | N    |
| Japanese Patent Office Classification (FTERM or File Forming<br>Term)                          | FTRM (FTERM,<br>FTCLA, JPCLA) | Y                      | N    |
| Language                                                                                       | LA                            | Y (8)                  | N    |
| Manual Code                                                                                    | MC                            | Y                      | N    |
| Markush Compound Number                                                                        | MCN                           | Y                      | Y    |
| Mechanism of Action                                                                            | ACTN                          | Y                      | Y    |
| Novelty                                                                                        | NOV                           | Y                      | Y    |
| Number of Drawings                                                                             | DRWN                          | Y                      | Y    |
| Occurrence Count of Hit Terms                                                                  | OCC                           | N                      | Y    |
| Patent Assignee                                                                                | PA (CS)                       | Y                      | Y    |
| Patent Assignee Code                                                                           | PACO                          | Y                      | Y    |
| Patent Assignee Code and Name                                                                  | PAX                           | Y                      | N    |
| Patent Countries                                                                               | PCS                           | Y (11)                 | N    |
| Patent Country                                                                                 | PC                            | Y                      | N    |
| Patent Country, Basic                                                                          | PC.B                          | Y                      | Y    |
| Patent Number Group                                                                            | PATS                          | Y (12)                 | Y    |
| Publication Date                                                                               | PD                            | Y                      | Y    |
| Publication Date, Basic                                                                        | PD.B                          | Y                      | Y    |
| Patent Information Abbreviated                                                                 | PIA                           | Y (13)                 | N    |
| Patent Information Abbreviated, Basic                                                          | PIA.B                         | Y (14)                 | Y    |
| Patent Kind Code                                                                               | PK                            | Y                      | Y    |
| Patent Kind Code, Basic                                                                        | PK.B                          | Y                      | Y    |
| Patent Number                                                                                  | PN (PI)                       | Y (5)                  | Y    |
| Patent Number Count                                                                            | PNC                           | Y                      | Y    |

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

| Field Name                                             | Field Code  | ANALYZE/<br>SELECT (1) | SORT |
|--------------------------------------------------------|-------------|------------------------|------|
| Patent Number, Basic                                   | PN.B (PI.B) | Y (5)                  | Y    |
| Patent Number/Kind Code                                | PNK         | Y                      | N    |
| Patent Number/Kind Code, Basic                         | PNK.B       | Y                      | N    |
| Polymer Indexing Enhanced                              | PLE         | Y                      | N    |
| Priority Country                                       | PRC         | Y                      | N    |
| Priority Date                                          | PRD         | Y                      | N    |
| Priority Date First                                    | PRDF        | Y                      | Y    |
| Priority Number                                        | PRN (PRAI)  | Y (5)                  | Y    |
| Priority Year                                          | PRY         | Y                      | Y    |
| Priority Year First                                    | PRYF        | Y                      | N    |
| Publication Year                                       | PY          | Y                      | Y    |
| Publication Year, Basic                                | PY.B        | Y                      | Y    |
| Ring Index Number                                      | RIN         | Y                      | Y    |
| Subclass                                               | SCL         | Y (15)                 | N    |
| Subclass Additional                                    | SCLA        | Y (16)                 | N    |
| Subclass Group                                         | SCG         | Y (15)                 | N    |
| Subclass Group Additional                              | SCGA        | Y (16)                 | N    |
| Subclass Group Main                                    | SCGM        | Y (17)                 | N    |
| Subclass Group Secondary                               | SCGS        | Y (16)                 | N    |
| Subclass Main                                          | SCLM        | Y (17)                 | N    |
| Subclass Secondary                                     | SCLS        | Y (18)                 | N    |
| Technology Focus                                       | TECH        | Y                      | N    |
| Title                                                  | TI          | Y (default)            | Y    |
| Title Terms                                            | TT          | Y                      | N    |
| Update Date                                            | UP          | Y                      | Y    |
| Update Date Abstract                                   | UPAB        | Y                      | Y    |
| Update Date Chemical Code                              | UPB         | Y                      | Y    |
| Update Date Documentation Abstract                     | UPDA        | Y                      | Y    |
| Update Date Enhanced Title                             | UPTI        | Y                      | Y    |
| Update Date Graphic Image                              | UPGI        | Y                      | Y    |
| Update Date Index Terms                                | UPIT (UPKW) | Y                      | Y    |
| Update Date Inventor                                   | UPIN        | Y                      | N    |
| Update Date Patent Assignee                            | UPPA        | Y                      | Y    |
| Update Date Patent Family                              | UPP         | Y                      | Y    |
| Update Date Patent Information                         | UPPI        | Y                      | Y    |
| Update Date Polymer Code (PLC and PLE)                 | UPA         | Y                      | Y    |
| Update Date Priority Information                       | UPPR        | Y                      | Y    |
| Use Section                                            | USE         | Y                      | Y    |
| US National Patent Classification, Current             | NCL         | Y                      | Y    |
| US National Patent Classification, Current (main)      | NCLM        | Y (19)                 | N    |
| US National Patent Classification, Current (secondary) | NCLS        | Y (19)                 | N    |
| Use/Advantage Section                                  | UADV        | Y                      | Y    |

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) Field valid in WPIX only.
- (3) Appends /TT to the terms created by SELECT.
- (4) SELECTed, ANALYZed and SORTed application, priority and patent numbers are in the format set by the Messenger SET PATENT command, either Derwent or STN.
- (5) Selects or analyzes application and priority numbers and appends /APPS to the terms created by SELECT.
- (6) Appends /AN.S to the terms created by SELECT
- (7) Selects or analyzes DNC and DNN with /DN appended to the terms created by SELECT.
- (8) SELECT HIT or ANALYZE HIT are not valid with this field.
- (9) Appends /IPC to the terms created by SELECT.
- (10) Appends /IPC.REF to the terms created by SELECT.
- (11) Selects or analyzes patent countries and designated states and appends /PCS to the terms created by SELECT.
- (12) Selects or analyzes patent number and filing details and appends /PATS to the terms created by SELECT.
- (13) Selects or analyzes patent numbers with /PN appended to the terms created by SELECT.
- (14) Selects or analyzes basic patent numbers with /PN.B appended to the terms created by SELECT.
- (15) Appends /IC to the terms created by SELECT.
- (16) Appends /ICA to the terms created by SELECT.
- (18) Appends /ICM to the terms created by SELECT.
- (17) Appends /ICS to the terms created by SELECT.
- (19) Appends /NCL to the terms created by SELECT.

## Additional DWPI individual Patent Publication (often First Level Data) SELECT, ANALYZE, and SORT Fields

| Field Name                                                 | Field Code | ANALYZE/<br>SELECT (1) | SORT |
|------------------------------------------------------------|------------|------------------------|------|
| Abstract, Original, in English                             | ABEN       | Y (2)                  | N    |
| Abstract, Original, in French                              | ABFR       | Y (2)                  | N    |
| Abstract, Original, in German                              | ABDE       | Y (2)                  | N    |
| Abstract, Original, in Spanish                             | ABES       | Y (2)                  | N    |
| Abstract, Original, other languages                        | ABOL       | Y (2)                  | N    |
| Accession Number, Publication Level                        | AN.PUB     | Y                      | N    |
| Agent                                                      | AG         | Y                      | Y    |
| Agent Address                                              | AGA        | Y                      | Y    |
| Agent Address, City                                        | AGA.CTY    | Y                      | Y    |
| Agent Address, Country                                     | AGA.CNY    | Y                      | Y    |
| Agent, Total                                               | AG.T       | Y                      | Y    |
| Application Information, Clarivate Analytics               | APTS       | Y                      | N    |
| Claims in English                                          | CLMEN      | Y (2)                  | N    |
| Claims in French                                           | CLMFR      | Y (2)                  | N    |
| Claims in German                                           | CLMDE      | Y (2)                  | N    |
| Field Availability (Individual Patent Publication Section) | FA.M       | Y                      | N    |
| File Segment (Individual Patent Publication Section)       | FS.M       | Y                      | Y    |
| Initial IPC, Subclass                                      | ISCL       | Y                      | N    |
| Initial IPC, Subclass Additional                           | ISCLA      | Y                      | N    |
| Initial IPC, Subclass Group                                | ISCG       | Y                      | N    |
| Initial IPC, Subclass Group Additional                     | ISCGA      | Y                      | N    |
| Initial IPC, Subclass Group Secondary                      | ISCGS      | Y                      | N    |
| Initial IPC, Subclass Main                                 | ISCLM      | Y                      | N    |
| Inventor Address                                           | INA        | Y                      | Y    |
| Inventor Address, City                                     | INA.CTY    | Y                      | Y    |
| Inventor Address, Country                                  | INA.CNY    | Y                      | Y    |
| Inventor, Nationality                                      | IN.NAT     | Y                      | Y    |
| Inventor, Original                                         | INO        | Y                      | Y    |
| Inventor, Total                                            | IN.T       | Y                      | Y    |
| IPC, Initial                                               | IIC        | Y                      | Y    |
| IPC, Initial, Additional (supplementary)                   | IICA       | Y                      | Y    |
| IPC, Initial, Index (complementary)                        | IICI       | Y                      | Y    |
| Main Claim                                                 | MCLM (CLM) | Y                      | N    |
| National Classification, Issued                            | INCL       | Y                      | Y    |
| National Classification, Issued (main)                     | INCLM      | Y                      | N    |
| National Classification, Issued (secondary)                | INCLS      | Y                      | Y    |
| Patent Assignee Address                                    | PAA        | Y                      | Y    |
| Patent Assignee Address, City                              | PAA.CTY    | Y                      | Y    |
| Patent Assignee Address, Country                           | PAA.CNY    | Y                      | Y    |
| Patent Assignee, Limitation                                | PA.LIM     | Y                      | Y    |
| Patent Assignee, Nationality                               | PA.NAT     | Y                      | Y    |
| Patent Assignee, Original                                  | PAO        | Y                      | Y    |
| Patent Assignee, Residence                                 | PA.RES     | Y                      | Y    |
| Patent Assignee, Total                                     | PA.T       | Y                      | Y    |
| Priority Application Information, Clarivate Analytics      | PRTS       | Y                      | N    |
| Title, Original, in English                                | TIEN       | Y                      | Y    |
| Title, Original, in French                                 | TIFR       | Y                      | Y    |
| Title, Original, in German                                 | TIDE       | Y                      | Y    |
| Title, Original, in Spanish                                | TIES       | Y                      | Y    |

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g. SEL HIT TIDE.

(2) Appends /BIEX to the terms created by SELECT.

## Chemistry Resource Segment SELECT, ANALYZE, and SORT Fields

| Field Name                                                      | Field Code | ANALYZE/<br>SELECT (1) | SORT |
|-----------------------------------------------------------------|------------|------------------------|------|
| Chemical Name                                                   | CN         | Y (2)                  | N    |
| Chemical Name, Preferred                                        | CN.P       | Y                      | N    |
| Chemical Name, Systematic                                       | CN.S       | Y                      | N    |
| Chemistry Resource Accession Number, Chemistry Resource Segment | AN.S       | Y                      | N    |
| Chemistry Resource Number, Chemistry Resource Segment           | DCSE       | Y                      | Y    |
| Classification Code                                             | CC         | Y                      | N    |
| Comment                                                         | CMT        | Y                      | N    |
| Controlled Term                                                 | CT         | Y                      | -    |
| Derwent Drug Registry Name                                      | DDRN       | Y                      | -    |
| Entry Date Chemistry Resource                                   | EDCR       | Y                      | Y    |
| Index Term                                                      | IT         | Y                      | N    |
| Molecular Weight                                                | MW         | Y                      | Y    |
| Standardized Molecular Formula                                  | SMF        | Y                      | N    |
| Structure Cross Reference                                       | SCR        | Y                      | N    |
| Structure Segment DWPI Compound Number                          | SDCN       | Y                      | Y    |
| Structure Segment DWPI Registry Number                          | SDRN       | Y                      | Y    |
| Structure Segment Ring Index Number                             | SRIN       | Y                      | N    |
| Substructure Term                                               | SS         | Y                      | N    |
| Synonym Name                                                    | SY         | Y (3)                  | N    |
| Update Date Chemistry Resource                                  | UPCR       | Y                      | Y    |
| Update Date DWPI Cross Reference                                | UPWX       | Y                      | Y    |

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g. SEL HIT CN.

(2) Selects or analyzes CN.P and SY with /CN appended to the terms created by SELECT.

(3) Selects or analyzes CN.P and SY with /SY appended to the terms created by SELECT.

## Sample Records

### DISPLAY IFULLG

ACCESSION NUMBER: 2000-430976 [200037] WPIDS  
 DOC. NO. CPI: C2000-130861 [200037]  
 DOC. NO. NON-CPI: N2000-321671 [200037]  
 TITLE: Self-healing roll for surface conditioning of sheets, e.g. metal sheets, has non-woven web elements comprising entangled fibers held together by a bonding agent  
 DERWENT CLASS: A88; F04; M12; P51; P73; Q62  
 INVENTOR: BARBER L L; YOUNG J B  
 PATENT ASSIGNEE: (MINN-C) 3M INNOVATIVE PROPERTIES CO  
 COUNTRY COUNT: 20

### PATENT INFORMATION:

| PATENT NO     | KIND | DATE     | WEEK      | LA | PG | MAIN | IPC |
|---------------|------|----------|-----------|----|----|------|-----|
| WO 2000030778 | A1   | 20000602 | (200037)* | EN | 25 | [3]  |     |
| EP 1135220    | A1   | 20010926 | (200157)  | EN |    |      |     |
| US 6300261    | B1   | 20011009 | (200162)  | EN |    |      |     |
| EP 1135220    | B1   | 20020904 | (200266)  | EN |    |      |     |
| DE 69902811   | E    | 20021010 | (200274)  | DE |    |      |     |
| JP 2002530544 | W    | 20020917 | (200276)  | JA | 24 |      |     |

**WPIDS / WPINDEX / WPIX**

## APPLICATION DETAILS:

| PATENT NO     | KIND | APPLICATION      | DATE     |
|---------------|------|------------------|----------|
| WO 2000030778 | A1   | WO 1999-US24138  | 19991014 |
| US 6300261    | B1   | US 1998-197132   | 19981120 |
| DE 69902811   | E    | DE 1999-69902811 | 19991014 |
| EP 1135220    | A1   | EP 1999-952014   | 19991014 |
| EP 1135220    | B1   | EP 1999-952014   | 19991014 |
| DE 69902811   | E    | EP 1999-952014   | 19991014 |
| EP 1135220    | A1   | WO 1999-US24138  | 19991014 |
| EP 1135220    | B1   | WO 1999-US24138  | 19991014 |
| DE 69902811   | E    | WO 1999-US24138  | 19991014 |
| JP 2002530544 | W    | WO 1999-US24138  | 19991014 |
| JP 2002530544 | W    | JP 2000-583649   | 19991014 |

## FILING DETAILS:

| PATENT NO     | KIND | PATENT NO       |
|---------------|------|-----------------|
| DE 69902811   | E    | EP 1135220 A    |
| EP 1135220    | A1   | WO 2000030778 A |
| EP 1135220    | B1   | WO 2000030778 A |
| DE 69902811   | E    | WO 2000030778 A |
| JP 2002530544 | W    | WO 2000030778 A |

PRIORITY APPLN. INFO: US 1998-197132 19981120

INT. PATENT CLASSIF.:

MAIN: D04H001-58

IPC RECLASSIF.: B21B0045-02 [I,A]; B21B0045-02 [I,C]; B32B0005-22 [I,C];  
B32B0005-26 [I,A]; C23G0003-02 [I,A]; C23G0003-02 [I,C];  
D04H0001-58 [I,A]; D04H0001-58 [I,C]; F16C0013-00 [I,A];  
F16C0013-00 [I,C]

ECLA: B21B0045-02R4L; B32B0005-26; B32B0037-00; C23G0003-02T6;  
F16C0013-00

ICO: L32B0031:00D2; L32B0305:20; L32B0309:12

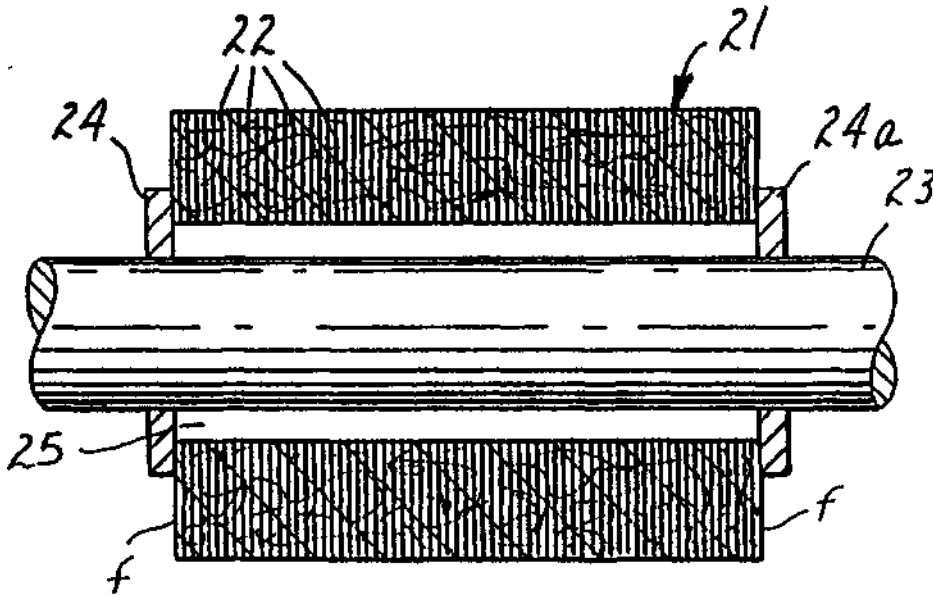
USCLASS NCLM: 442/328.000

NCLS: 428/912.000; 442/329.000; 442/337.000; 442/417.000

JAP. PATENT CLASSIF.:

MAIN/SEC.: D04H0001-58 A; F16C0013-00 A

FTERM CLASSIF.: 3J103; 4L047; 3J103/AA02; 4L047/BA03; 4L047/BA16;  
4L047/BC02; 4L047/BC08; 4L047/BC13; 4L047/CA05;  
4L047/CB10; 4L047/CC08; 4L047/DA00; 3J103/EA02;  
3J103/EA09; 3J103/EA13; 3J103/FA14; 3J103/FA15;  
3J103/FA30; 3J103/GA02; 3J103/HA19; 3J103/HA60



BASIC ABSTRACT:

WO 2000030778 A1 UPAB: 20060116

NOVELTY - A self-healing article e.g. in the form of roll (21) comprises several compacted stacked web elements (22) having entangled fibers bonded together at points of mutual contact by a bonding agent. The article is resistant to an oxidizing agent and has a Shore A hardness of 70-93 and a void volume of 2-30%.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of making a self-healing and non-woven article comprising (i) providing several non-woven web elements comprising entangled fibers bonded at points of mutual contact by a bonding agent; (ii) stacking into a pile; (iii) compacting under a compaction force; and (iv) restraining the pile to form the self-healing article.

USE - For surface conditioning of sheets, e.g. metal sheets.

ADVANTAGE - The invention provides a self-healing article resistant to oxidizing agents having an increased life span. If used, results in fewer roll replacements and unscheduled production line downtimes. Chances of chemical contamination between treating solutions are also minimized.

DESCRIPTION OF DRAWINGS - The figure shows a partial cross-sectional view of a roll disposed on a keyed shaft.

Roll (21)

Compacted stacked non-woven web elements (22) TECHNOLOGY FOCUS:

POLYMERS - Preferred Agent: The bonding agent is nitrile rubber, polychloroprene, styrene butadiene rubber, polysulfide, silicone and/or polyepichlorohydrin (preferably nitrile rubber having a glass transition temperature of -30 - 10 degreesC).

METALLURGY - Preferred Method: The non-woven web is added with water prior to compacting.

FILE SEGMENT:

CPI; GMPI

MANUAL CODE:

CPI: A11-B05; A11-C05A; A12-H11; A12-S05G; A12-S05U;  
F02-C01; F02-C02B1; M12-A04

**WPIDS / WPINDEX / WPIX****DISPLAY MEMB(1)**

Member(0001)

PI WO 2000030778 A1 20000602 (200037)\* EN 25[3]

TIEN SELF-HEALING ARTICLES RESISTANT TO OXIDIZING AGENTS

TIFR ARTICLES DE REGENERATION RESISTANT AUX AGENTS D'OXYDATION

AG BUSSE, Paul, W.

AGA: 3M Innovative Properties Company, Office of Intellectual Property  
Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427, US

IN YOUNG J B

INO: YOUNG, John, B.

INA: P.O. Box 33427, Saint Paul, MN 55133-3427, US

BARBER L L

INO: BARBER, Loren, L.

INA: P.O. Box 33427, Saint Paul, MN 55133-3427, US

PA (MINN-C) 3M INNOVATIVE PROPERTIES CO

PAO: 3M INNOVATIVE PROPERTIES COMPANY

PAA: 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427, US

Residence: US

Nationality: US

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APTS 1999WO-US0024138

PRAI US 1998-197132 19981120

PRTS 1998US-000197132 19981120

IPCR Current: B21B0045-02 [I,A]; B21B0045-02 [I,C]; B32B0005-22 [I,C];  
B32B0005-26 [I,A]; C23G0003-02 [I,A]; C23G0003-02 [I,C]; D04H0001-58  
[I,A]; D04H0001-58 [I,C]; F16C0013-00 [I,A]; F16C0013-00 [I,C]

IIC IICM B21B045-02

IICS B32B003-08; B32B005-26; B32B031-10; B32B033-00; C23G003-02;  
D04H013-00; F16C013-00

EPC B21B0045-02R4L; B32B0005-26; B32B0037-00; C23G0003-02T6; F16C0013-00

ICO L32B0031:00D2; L32B0305:20; L32B0309:12

ABEN Self-healing articles resistant to oxidizing agents and useful for surface conditioning of sheets, especially metal sheets, are described. The articles (21) comprise a plurality of compacted, stacked non-woven web elements (2, 22), the web elements each comprising entangled fibers bonded together at points of mutual contact by a bonding agent. The article is resistant to an oxidizing agent or agents, has a Shore A hardness in the range of 70 to 93 and a void volume in the range of 2 to 30 percent. The non-woven articles can be configured into any of a variety of convenient and useful shapes, such as roll shapes, slab or bar shapes. The methods of making these articles are also described.

ABFR L'invention porte sur des articles de regeneration resistant aux agents d'oxydation et utiles pour le conditionnement en surface de feuilles, notamment de feuilles metalliques. Les articles (21) comprennent une pluralite d'elements (2, 22) de bande non tissee empiles, comprimes, comprenant chacun des fibres enchevetrees reliees en des points de contact mutuels par un agent de liaison. L'article est resistant aux agents d'oxydation, a une durete Shore A comprise entre 70 et 93 et un volume vide compris entre 2 et 30%. Les articles non tissés peuvent avoir une variete de formes pratiques et utiles telles que des rouleaux, des plaques et des barres. L'invention porte egalement sur des procedes de fabrication de ces articles.

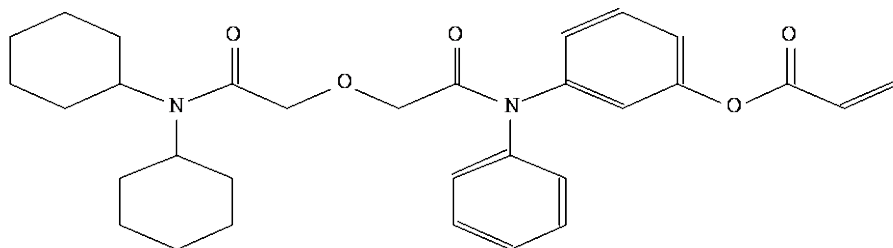


## DISPLAY ALL DCR SEGMENT

AN.S DCR-1000003

DCSE 1000003-0-0-0

CN.S Acrylic acid 3-({[(dicyclohexylcarbamoyl)-methoxy]-acetyl}-phenyl-amino)-phenyl ester



MF C31 H38 N2 O5

SMF C31 H38 N2 O5 \*1; TOTAL \*1; TYPE \*1

MW 518.6589

SDCN RAG9YE

CC UNSATURATED FATTY ACIDS

**In North America**

CAS  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:  
Phone: 800-753-4227 (North America)  
614-447-3700 (worldwide)  
Fax: 614-447-3751  
Email: help@cas.org  
Internet: www.cas.org

**In Europe**

FIZ Karlsruhe  
STN Europe  
P.O. Box 2465  
76012 Karlsruhe  
Germany  
Phone: +49-7247-808-555  
Fax: +49-7247-808-259  
Email: helpdesk@fiz-karlsruhe.de  
Internet: www.stn-international.com

**In Japan**

JALCI (Japan Association for  
International Chemical Information)  
STN Japan  
Nakai Building  
6-25-4 Honkomagome, Bunkyo-ku  
Tokyo 113-0021, Japan  
Phone: +81-3-5978-3601 (Technical Service)  
+81-3-5978-3621 (Customer Service)  
+81-3-5978-3600  
Fax: +81-3-5978-3600  
Email: support@jaici.or.jp (Technical Service)  
customer@jaici.or.jp (Customer Service)  
Internet: www.jaici.or.jp