

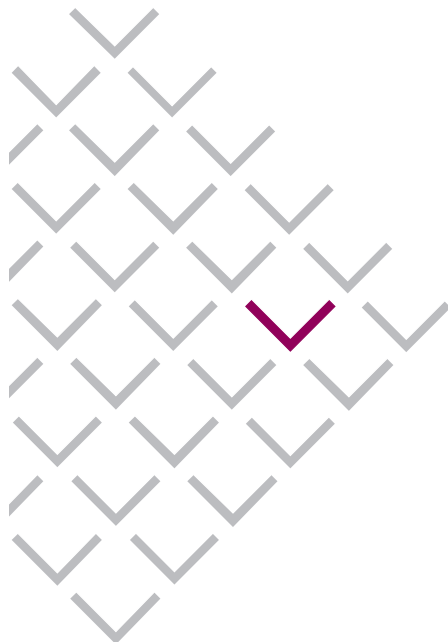


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# STNNotes

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No. 19



## Patent Family Information in CAplus

**You can now easily  
search and display  
patent family  
information directly  
in the CAplus,  
HCAplus, and  
ZCAplus files,  
making your  
chemical patent  
searches more  
convenient and  
complete.**

In response to customer requests for more detailed information on new and enhanced system features, we have created STNNotes. STNNotes give you the in-depth technical details you need for efficient use of STN. We hope you find this information useful. Please let us know how we can continue to improve in meeting your technical information needs.

With the addition of patent family information, patent searching in CAplus, HCAplus, and ZCAplus is more complete and convenient.

You can now search patent information for **any** chemical or chemical engineering patent from the **entire patent family identified by CAS**, not just for the patent document that CAS selected for abstracting and indexing. Previously you had to check the printed Patent Index or search other online files on STN for family information.

Patent family information in CAplus/HCAplus/ZCAplus is most complete from 1981, when the Patent Index was first issued. Some earlier patent family information since 1967 is also available.



# Searching and displaying patent family information for the basic patent

For each CA “basic” patent, i.e., the patent document abstracted and indexed by CAS, we have identified other closely related patent family members. Closely related patent family members tend to have simple priority relationships with the basic patent, such as citing the same priority application.

Information for all of the patent family members is searchable and displayable. The example shows a search on a Japanese patent number. This patent document was not abstracted and indexed by CAS but is included in a patent family.

The PI (Patent Information) field shows a table with the data for the CA basic patent followed by patent information for other closely related patent family members. Designated States for EP and WO patents are also listed in the PI family table with the corresponding EP or WO patent. The hit patent number is highlighted by an arrow on the right side of the line that includes the patent number.

A new display field - FAN.CNT (Family Accession Number Count) - shows that there is only one CAplus record associated with this patent family. Almost all patent families in CAplus/ZCAplus/HCAplus are associated with only 1 CAplus accession number.

## To search and display patent family for a CA basic patent

```
=> FILE CAPLUS

=> E JP62111230/PN 6

E1          1      JP62111000/PN
E2          1      JP62111053/PN
E3          1  --> JP62111230/PN
E4          1      JP62111237/PN
E5          1      JP62111249/PN
E6          1      JP62111250/PN

=> S E3

L1          1      JP62111230/PN

=> D BIB

L1  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 1998 ACS
AN  1987:583620  CAPLUS
DN  107:183620
TI  Ultraviolet blocking agents for contact lenses.
IN  Bambury, Ronald E.; Park, Joon Sup; Choo, Dong
    Joon
PA  Bausch and Lomb Inc., USA
SO  Eur. Pat. Appl., 25 pp.
    CODEN: EPXXDW
DT  Patent
LA  English
FAN.CNT 1

      PATENT NO.  KIND  DATE      APPLICATION NO.  DATE
      -----
PI  EP 221630  A2   19870513  EP 86-305782  19860728
    EP 221630  A3   19880727
      R:  BE, CH, DE, FR, GB, IT, LI, NL, SE
    CA 1286833  A1   19910723  CA 86-515035  19860731
    JP 62111230  A2   19870522  JP 86-185398  19860808<-
PRAI US 85-763947  19850808
```

Enter CAplus.

EXPAND and search the patent number.

Display the bibliographic information (BIB).

The FAN.CNT field shows only 1 CAplus record for this patent family.

BIB includes a PI table for the CA basic patent and other closely related patent family members.

The line with the hit patent number is highlighted by an arrow.

# Extended patent family information

While most patent families consist of closely related patents "covered" by only 1 CAplus record, there are some cases with more than 1 CAplus record (accession number) associated with a patent family. This may happen when related patents have somewhat different technical content or when family members have more complex relationships such as multiple priorities from different countries or relationships resulting from division, addition, continuation, or continuation-in-part patents. When more than one CAplus accession number is associated with a patent family, you can display "extended" patent family information for a record.

This example shows searching and displaying of patent information when more than one CAplus record is associated with a patent family. A search on this particular patent number retrieves 2 CAplus records. To display the PI table for both records, you can use one of the new display formats that include "extended" patent family information, i.e., the patent family table for all the CAplus records associated with the family.

The FBIB format, shown in this example, includes the BIB information with a PI table for the closely related patents, plus the second Family Accession Number (FAN) with its PI table.

## To display extended patent family information

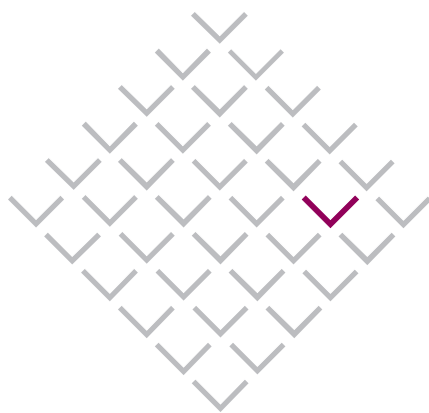
```
=> S DE3016883/PN
L2          2 DE3016883/PN

=> D FBIB
L2  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 1998 ACS
AN  1982:47570  CAPLUS
DN  96:47570
TI  Herbicidal 1,2,4-triazole derivatives
IN  Heubach, Guenther; Bauer, Klaus; Bieringer,
    Hermann
PA  Hoechst A.-G. , Fed. Rep. Ger.
SO  Ger. Offen., 19 pp. Addn. to Ger. Offen.
    2,826,760.
    CODEN: GWXXBX
DT  Patent
LA  German
FAN.CNT 2
PATENT NO. KIND DATE      APPLICATION NO. DATE
-----
PI  DE 3016883 A1  19811119  DE 80-3016883 19800502<-
    DE 78-2826760 19780619
    DE 2826760 A1  19800103  DE 78-2826760 19780619
PATENT FAMILY INFORMATION:
FAN 1980:181200
PATENT NO. KIND DATE      APPLICATION NO. DATE
-----
PI  DE 2826760 A1  19800103  DE 78-2826760 19780619
    ES 481526  A1  19800116  ES 79-481526  19790613
    DE 78-2826760 19780619
    EP 7010    A1  19800123  EP 79-101917  19790613
    R: AT, BE, CH, DE, FR, GB, IT, NL, SE
    DE 78-2826760 19780619
    AU 7948103 A1  19800207  AU 79-48103   19790615
    DE 78-2826760 19780619
    DD 144501  C   19801022  DD 79-213657  19790615
    DE 78-2826760 19780619
    DK 7902538 A   19791220  DK 79-2538    19790618
    DE 78-2826760 19780619
    JP 55002680 A2  19800110  JP 79-75742   19790618
    DE 78-2826760 19780619
    BR 7903837 A   19800304  BR 79-3837    19790618
    DE 78-2826760 19780619
    ZA 7903007 A   19800625  ZA 79-3007    19790618
    DE 78-2826760 19780619
    US 4239525 A   19801216  US 79-49437   19790618
    DE 78-2826760 19780619
    DE 3016883 A1  19811119  DE 80-3016883 19800502
    DE 78-2826760 19780619
```

Search of the patent number retrieves 2 answers.

Display one answer in FBIB format to obtain extended patent family information.

FBIB includes the bibliographic information with the patent table for the first CAplus accession number, plus the second family accession number (FAN) with its patent family table.



## More search and display options

With the addition of patent family information you now have more options for searching and displaying patent data.

For example, you can choose to search or display information only for the CA basic patent, or the basic application or priority application. Simply append the appropriate field code with .B. For example, to search a patent number as a CA basic patent, use the search field code /PN.B. To display only the CA basic patent, display PN.B.

In addition to the basic patent information, you can search the following:

- Country Number Count (/CYC)
- Family Accession Number (/FAN)
- Family Accession Number Count (/FAN.CNT)
- Patent Number Count (/PNC)
- Update Date Patent Family (/UPP)

For example, you can monitor updates to patent families by searching a range of dates in the /UPP field, e.g., => S MERCK/PA AND UPP>NOVEMBER 30, 1998. For a complete list of search fields, enter HELP SFIELDS.

A patent family table with closely related patents has been added to the following existing display formats: BIB, IBIB, PATS, APPS, STD, ISTD, ALL, IALL, and DALL.

Extended patent family information has been added to the existing format MAX (ALL plus family table), and the following new display formats: FAM (family table), FBIB, IMAX, and DMAX.

If you do not wish to display patent family table in a record, use the newly added formats OBIB (Original BIB) and OIBIB (Original Indented BIB).

For a list of all display fields enter HELP DFIELDS. For a list of all display formats, enter HELP FORMATS.

These new and revised display options may affect your post processing and SDI results. Enter HELP PROCESS for helpful details on post processing.

## Cost

There is no extra charge for the display of the patent information table for closely related family members associated with one CPlus accession number. There is an additional fee for the display formats FAM, FBIB, MAX, DMAX, and IMAX that include extended patent family information. This fee is applied only if there is more than one CPlus accession number associated with a patent family. Enter HELP COST at an arrow prompt in the file for cost information.

## For more information

For more information on the enhanced CPlus file, please refer to the CPlus database summary sheet (available online in STNGUIDE and on the Web at <http://www.info.cas.org/ONLINE/DBSS/caplus.html>).

In addition, online help messages for CPlus have been updated to reflect the addition of patent family data. Enter HELP DIRECTORY at an arrow prompt in CPlus to see a list of help messages for the file. For more information on family data, enter HELP FAM.

For more details on patent coverage and content in the CAS database from 1907 to the present, please refer to a booklet "Patent Information from CAS." A free PDF version of this booklet is available at <http://www.cas.org/ONLINE/UG/patentmanual.pdf>.