

# What is PatentPak<sup>TM</sup>?

PatentPak is a patent workflow solution integrated with STN®.

PatentPak provides:

- Instant connection to searchable, full-text patents from major patent offices that span the globe
- Superior patent family coverage with access to alternative-language versions of a patent
- Direct links to key substances, including both name and structure substances, in the source patent

If PatentPak is not yet licensed at your site, contact your CAS representative.

## **Key facts about PatentPak**

- PatentPak is a subscription service that is available for CAplus<sup>™</sup> / HCAplus / ZCAplus using STN<sup>®</sup> on the Web<sup>™</sup>
- PatentPak provides full-text searchable patent PDFs
- Information is obtained from world-wide patent offices from 1998 present
- PatentPak includes PDFs of patent family members that were not previously available on STN

### **System Requirements**

To ensure the best user experience, please use these recommended browsers:

- Firefox 24 and higher
- Chrome 36 and higher
- Internet Explorer 9 and higher

Note: Chrome 45 and higher does not work with STN on the Web plug-ins.



# **Accessing full-text patent PDFs**

When viewing patent references, you can click one of the options described below to view the full-text PDF for the patent reference or for the Patent Family members that have full-text PDFs available. The display options are:

- PatentPak PDF original, clean PDF from the PatentPak library
- PatentPak PDF+ PDF supplemented with a table designed to simplify access to the chemistry within the patent. Substances represented in the table include page references, CAS Registry Number® identifiers, chemical names, and chemical structures.
- PatentPak Interactive interactive version of the PDF that has been annotated by CAS analysts to help identify locations of the most important chemistry and is used in conjunction with the PatentPak Interactive viewer Click a location marker <sup>♀</sup> in the patent PDF to link to the position where the substance is discussed. You will also be provided with the substance structure, CAS Registry Number, and additional page references, subject to their availability.

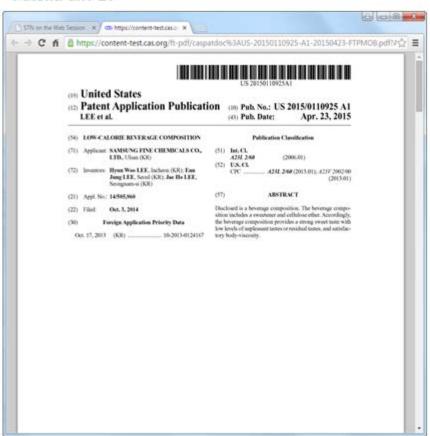
# Steps:

- 1. Conduct a search in CAplus<sup>SM</sup>, or HCAplus, or ZCAplus.
- 2. Display the retrieved record(s). Additional fields appear in the display based on the type of display you select (see the NOTES section below.)
- 3. Click one of the full-text PDF links that appear at the top of the displayed record or in the PatentPak column under the PPPI field.

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ANSWER 1 OF 1 CAPILIS COPYRIGHT 2015 ACS on STN
<u> PatentPak PDF | PatentPak PDF+ | PatentPak Interactive | Full Text | Citing References</u>
    2015:758808 CAPLUS
DN
    162:591100
ΤI
    Method of jetting ink
   Breton, Marcel Philippe; Belelie, Jennifer L.; Goredema, Adela; Smith,
IN
    Paul F.
PA
    Xerox Corporation, USA
S0
   U.S., 31pp.
    CODEN: USXXAM
DT
    Patent
LA
    English
FAN.CNT 1
PPPI
                   KIND DATE
                                   LANGUAGE
                                                 PatentPak
    PATENT NO.
                    B1 20150505 English
A1 20150529
    US 9022546
                                                 PDF | PDF+ | Interactive
                       A1 20150528 English
A1 20150528 German
    US 20150145920
                                                 PDF
    DE 102014223318
                                                 PDF
     JP 2015101103
                        A 20150604 Japanese
                                                 PDF
ΡI
                                       APPLICATION NO.
    PATENT NO.
                       KIND DATE
                                                                DATE
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    US 9022546
                        B1
                             20150505
                                       US 2013-14089479
                                                                20131125
                       A1
A1
    US 20150145920
                             20150528
    DE 102014223318
                             20150528
                                       DE 2014-102014223318
                                                                20141114
                        A1
    CA 2871394
                             20150525
                                         CA 2014-2871394
                                                                20141117
     JP 2015101103
                                         JP 2014-232596
                        Α
                             20150604
                                                                20141117
                      Α
PRAI <u>US 2013-14089479</u>
                             20131125
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS CASREACT 162:591100
RE.CNT 31
             THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
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4. The PDF opens in the active browser (review descriptions above).

### PatentPak PDF

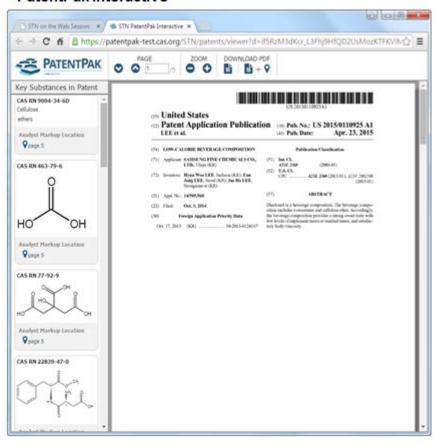


### PatentPak PDF+



p.5 9004-34-6D Cellulose ethers p.5 463-79-6 Carbonic acid	Mark Page #	CAS RN	Name	Structure
20.00	p.5	9004-34-6D	Cellulose	
2 p.5 463-79-6 Carbonic acid			ethers	
	2 p.5	463-79-6	Carbonic acid	ĵ
HO OH				но он

#### PatentPak Interactive



- 5. Use the browser functions to save, print, navigate, or resize the patent PDF.
- 6. Use the PatentPak Interactive tools to:
  - Identify the CAS Registry Numbers and view the structures for key substances
  - Jump directly to the Analyst Markup Location for the substance in the marked patent document
  - Navigate the pages in the marked patent and zoom the display
  - Download the marked patent as a PDF file with or without the location markers and key substance information

#### **NOTES:**

- PDF links remain active while you are online and for an additional 90 days in a saved transcript or a table or report created using post-processing tools.
- Additional fields appear in the CAplus / HCAplus / ZCAplus displays for basic patents based on the type of display you select. The BIB display includes the PPPI field. The STD and ALL displays include the PPPI and PPAK fields.
  - PPPI lists Patent Family members that have PDFs in PatentPak. Active PDF links can be found listed with the field information.
  - PPAK lists all Registry numbers and page numbers marked in the document.
     Active Registry numbers and page numbers can be found listed with the field information.

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=> d L1 all
    ANSWER 1 OF 1 CAPLUS COPYRIGHT 2015 ACS on STN
PatentPak PDF | PatentPak PDF+ | PatentPak Interactive | Full Text | Citing Re
AN 2015:691413 CAPLUS
DN
    162:563379
ED Entered STN: 23 Apr 2015
    Low-calorie beverage composition
TI
IN Lee, Hyun Woo; Lee, Eun Jung; Lee, Jae Ho
    Samsung Fine Chemicals Co., Ltd., S. Korea
SO U.S. Pat. Appl. Publ., 5pp.
    CODEN: USXXCO
DT
    Patent
    English
CC
    17-13 (Food and Feed Chemistry)
FAN.CNT 1
     PATENT NO.
                        KIND DATE
                                         LANGUAGE PatentPak
                        A1 20150423 English PDF | PDF+ | Interactive
A 20150427 Korean PDF
A1 20150429 English PDF
A 20150423 Japanese PDF
A 20150429 Chinese PDF
     US 20150110925
     KR 2015044740
     EP 2865279
     JP 2015077129
     CN 104544462
                                20150429 Chinese
                                                       PDF
     PATENT NO.
                          KIND DATE
                                             APPLICATION NO.
                                                                       DATE
     80863-62-3, Mitame \ 165+50-\7-9; Neocame
     RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)
         (low-calorie beverage contg. sweetener and cellulose ether)
     77-92-9, Citric acid, Pg 5
     81-07-2, Saccharin, Pg 5
     100-88-9, Cyclamate, Pg 5
     463-79-6, Carbonic acid, Pg 5
     1405-86-3, Glycyrrhizin, Pg 5
9004-32-4, CMC, Pg 5
     9004-34-6D, Cellulose, Pg 5
     9004-65-3, HPMC, Pg 5
     9004-67-5, Methylcellulose, Pg 5
     20702-77-6, Neohesperidin DC, Pg 5
     22839-47-0, Aspartame, Pg 5
     55589-62-3, Acesulfame potassium, Pg 5
     56038-13-2, Sucralose, Pg 5
     57817-89-7, Stevioside, Pg 5
     58543-16-1, Rebaudioside A, Pg 5
     80863-62-3, Alitame, Pg 5
     165450-17-9, Neotame, Pg 5
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#### **NOTES:**

- Use PDF/FA in your search query to restrict the CAplus answer set to patent records having PDFs.
- Use PPAK/FA in your search query to restrict the CAplus answer set to patent records having the PatentPak PDF+ and/or PatentPak Interactive links available.
- Use HITPPAK at the end of your display command to highlight (add below the full set of PPAK listings) the Registry number, chemical name, and page number of the query compound listed in the PPAK field.

For example:

=> D L1 BIB

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PPAK

525-66-6, Propranolol, Pg 59
19216-56-9, Prazosin, Pg 59
56296-78-7, Prozac, Pg 59
78246-49-8, Paxil, Pg 59
79559-97-0, Zoloft, Pg 59
85650-52-8, Remeron, Pg 59
99300-78-4, Effexor, Pg 59
111974-72-2, Seroquel, Pg 59
132539-06-1, Zyprexa, Pg 59
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#### => D L1 BIB HITPPAK

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PPAK

525-66-6, Propranolol, Pg 59
19216-56-9, Prazosin, Pg 59
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78246-49-8, Paxil, Pg 59
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85650-52-8, Remeron, Pg 59
99300-78-4, Effexor, Pg 59
111974-72-2, Seroquel, Pg 59
132539-06-1, Zyprexa, Pg 59
PPAK
79559-97-0, Zoloft, Pg 59
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# **Using PatentPak Interactive**

Many patents in PatentPak have been annotated with page numbers by CAS analysts to help identify locations of the most important chemistry. For these patent documents, the PatentPak Viewer will include a sidebar on the left that displays the **Key Substances in Patent**. To access the viewer, click the **PatentPak Interactive** link that appears in your answer set display.

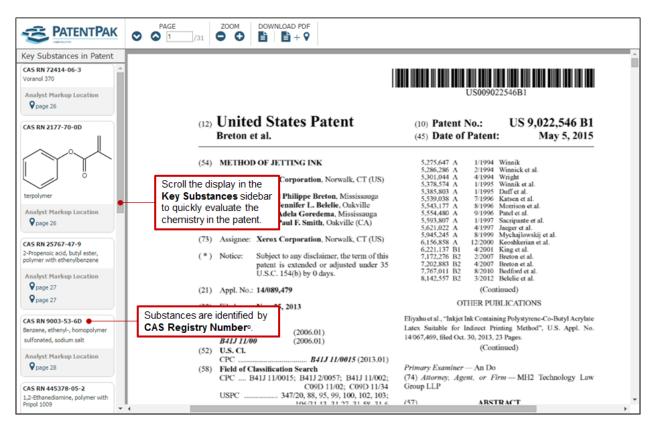
Use the Key Substances sidebar to:

- Identify the CAS Registry Numbers and view the structures for key substances
- Jump directly to the Analyst Markup Location for the substance in the marked patent document

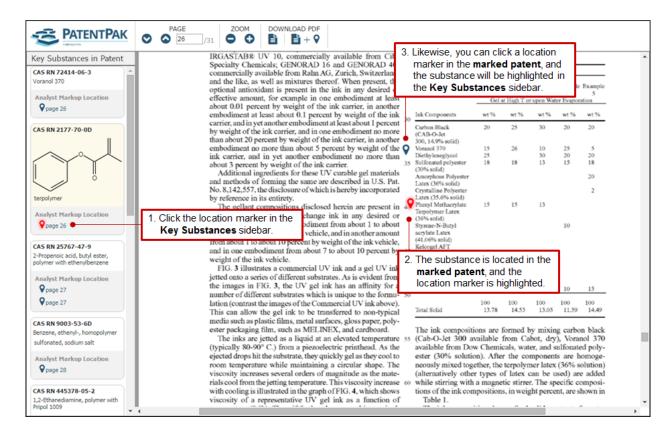
#### Use the PatentPak toolbar to:

- Navigate the pages in the marked patent and zoom the display
- Download the marked patent as a PDF file with or without the location markers and key substance information

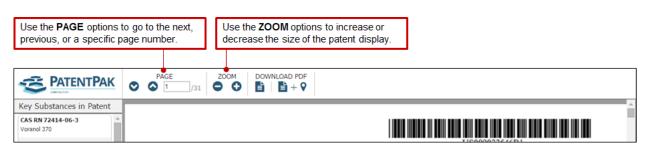
# **Key Substances**



#### **Location Markers**



## Navigate pages and zoom display

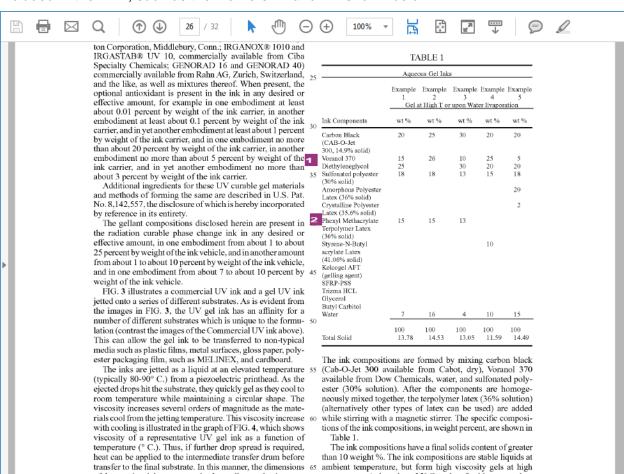


#### **Download PDF**

Use the **DOWNLOAD PDF** options to download a PDF file of the patent either with or without the location markers and key substances information.



When you use the  $\frac{1}{2} + \frac{1}{2}$  option to download the patent PDF, the location markers are included in the PDF, such as the markers  $\frac{1}{2}$  and  $\frac{1}{2}$  shown below.



The key substance information is appended to the patent PDF in the form of a table, as shown below.

Mark	Page #	CAS RN	Name	Structure
1	p.26	72414-06-3	Voranol 370	otractare
2	p.26	2177-70-0D	2-Propenoic acid, 2-methyl-, phenyl ester terpolymer	
3	p.27 p.27	25767-47-9	2-Propenoic acid, butyl ester, polymer with ethenylbenzene	~
4	p.28	9003-53-6D	Benzene, ethenyl-, homopolymer sulfonated, sodium salt	
5	p.28	445378-05-2	1,2-Ethanediamine, polymer with Pripol 1009	
6	p.29	122-99-6	Ethanol, 2-phenoxy-	ООН
7	p.30	261949-00-2	Unilin 350, 2-propenoate	*
8	p.30	165169-28-8	Unilin 350	
9	p.30	79-10-7	2-Propenoic acid	но
10	p.31	1413974-93-2	2-Propenoic acid, 1,1'-[2-[[3-hydroxy-2,2-bis[[(1-oxo-2-propen-1-yl)oxy]methyl]-2-[[(1-oxo-2-propen-1-yl)oxy]methyl]-1,3-propanediyl] ester, polymer with 1,1'-[(octahydro-4,7-methano-1 <i>H</i> -indene-5,?-diyl)bis(methylene)] di-2-propenoate and Unilin 350 2-propenoate	