

## Full-Text & Full-Claims Display Feature

Add **EP**, **WO** and **US** full-text or claims when displaying in files that do not contain those fields.

When searching databases such as DWPI and PlusPat, enhance your displays with Full-text and Claims data provided by the following full-text files on Questel•Orbit:

- EPAPAT - full-text of European Applications from 1978 onwards
- PCTFULL - full-text of PCT applications from 1978 onwards (select full-text coverage)
- USPAT - full-text of US patents from 1971 onwards

### I. Full-Text Display Feature

Display feature	Displayed data	Example:
<b>FULLEPO</b>	Full-text from EPAPAT	<b>prt max fullepo</b>
<b>FULLWO</b>	Full-text from PCTFULL	<b>prt abst 1-5 fullwo</b>
<b>FULLUS</b>	Full-text from USPAT	<b>prt full 1 3 5-8 fullus</b>
<b>FULLTEXT</b>	Full-text from EPAPAT, PCTFULL & USPAT	<b>prt mall set fulltext</b>

### II. Full-Claims Display Feature

Display feature	Displayed data	Example:
<b>FULLEPO CLMS</b>	Claims from EPAPAT	<b>prt max fullepo clms</b>
<b>FULLWO CLMS</b>	Claims from PCTFULL	<b>prt abst 1-5 fullwo clms</b>
<b>FULLUS CLMS</b>	Claims from USPAT	<b>prt full 1 3-5 8 fullus clms</b>
<b>FULLCLMS</b>	Claims from EPAPAT, PCTFULL & USPAT	<b>prt mmax set fullclms</b>

File : PLUSPAT

SS Results

1 6 (1) ..FAM EP1209140/PN

**prt mini fullclms**

1/1 PLUSPAT - (C) QUESTEL-ORBIT

PN - EP1209140 A1 20020529 [EP1209140]  
BR0105401 A 20020625 [BR200105401]  
CN1358700 A 20020717 [CN1358700]  
JP2002193849 A 20020710 [JP2002193849]  
US2002072643 A1 20020613 [US20020072643]  
US6380449 B1 20020430 [US6380449]

**[EP Claims display below]**

TI - (A1) Process for preparing styrene by dehydrogenation of ethylbenzene and reaction system which can be used for the process

PA - (A1) FINA TECHNOLOGY (US)

AB - (US20020072643)

Process for the catalytic dehydrogenation of a C2 or C3 alkyl aromatic

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interior wall of the reaction vessel.

PN - (US6380449) USPAT - (C) USPTO

**[US Claims display below]**

\*\*\*US6380449\*\*\* B1 20020430

MCLM- (US6380449) USPAT - (C) USPTO

What is claimed:

1. A process for the production of styrene by the catalytic dehydrogenation of ethylbenzene comprising:  
a. supplying a feedstock containing ethylbenzene and steam into a tubular reactor containing a dehydrogenation catalyst;  
b. operating said tubular reactor under temperature conditions effective to cause the dehydrogenation of ethylbenzene to styrene in the presence of said dehydrogenation catalyst;  
c. flowing said feedstock within at least a portion of said reactor along a spiral flow path located within an extending longitudinally of said reactor; and  
d. recovering styrene product from a downstream section of said reactor.

CLM - (US6380449) USPAT - (C) USPTO

2. The process of claim 1 wherein said feedstock is passed along said spiral flow path at a location adjacent the inlet side of said reactor.  
3. The process of claim 1 wherein at least a portion of said spiral flow path contains a particulate dehydrogenation catalyst.

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17. The process of claim 16 wherein the steam to ethylbenzene mole ratio of said feedstock is about 10 or less.

18. The process of claim 17 wherein the steam to ethylbenzene mole ratio of said feedstock is within the range of 5-6.

CLM - (EP1209140) EPAPAT - (C) EPO

1. A process for the production of styrene by the catalytic dehydrogenation of ethylbenzene comprising:  
a. supplying a feedstock containing ethylbenzene and steam into a tubular reactor containing a dehydrogenation catalyst;  
b. operating said tubular reactor under temperature conditions effective to cause the dehydrogenation of ethylbenzene to styrene in the presence of said dehydrogenation catalyst;  
c. flowing said feedstock within at least a portion of said reactor along a spiral flow path extending longitudinally of said reactor; and  
d. recovering styrene product from a downstream section of said reactor.

2. The process of claim 1 wherein said feedstock is passed along said spiral flow path at a location adjacent the inlet side of said reactor.

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20. The system of claim 19 wherein said reaction section comprises an elongated baffle of a helical conformation extending through at least a portion of said catalyst bed.

#### Alternatives to the FULLTEXT and FULLCLMS feature:

- to display **full-text** from USAPPS or EPBPAT, use PLUS Command :  
e.g. prt abst plus ftxt (usapps)
- to display **Main Claim only**, use PLUS Command :  
e.g. prt max plus mclm (uspat) mclm (usapps)  
prt max plus mclm (epatent)