

## STN Columbus

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NEWS 20 JUL 28 Latest release of new STN now available, expands global patent coverage and enhances search capabilities

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NEWS 22 OCT 1 Cooperative Patent Classification (CPC) Combination Set Data Now Available in Caplus, INPADOCDB and USPAT Databases

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NEWS 26 DEC 24 Additional Experimental Spectra Now Available in CAS REGISTRY in STN

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NEWS 28 JAN 9 Derwent World Patents Index: Latest Manual Code Revision Goes Live

NEWS 29 JAN 26 Revision of DWPI Fragmentation Codes for 2015

NEWS 30 JAN 26 Annual MEDLINE Reload on STN Features Enhanced Clinical Trial Information and the 2015 MeSH Thesaurus

NEWS 31 MAR 23 Enhanced Coverage of Latin America (AR, MX) in Derwent World Patent Index

NEWS 32 APR 15 USPATFULL/USPAT2 Now Include Corporate Patent Applicant Information

NEWS EXPRESS 27 MAY 2014 CURRENT WINDOWS VERSION IS V8.5.2.1, AND CURRENT DISCOVER FILE IS DATED 26 JANUARY 2015.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:01:06 ON 21 APR 2015

```
=>
=> File lmobility
COST IN U.S. DOLLARS                SINCE FILE          TOTAL
                                     ENTRY              SESSION
FULL ESTIMATED COST                 0.50                0.50
```

FILE 'IMOBILITY' ENTERED AT 14:02:06 ON 21 APR 2015  
COPYRIGHT (C) 2015 Society of Automotive Engineers, Inc.

FILE LAST UPDATED: 2 APR 2015 <20150402/UP>  
FILE COVERS 1906 TO DATE

IMOBILITY and 2MOBILITY, which together comprise the Global Mobility Database, can be accessed and searched together through the file cluster MOBILITY. Type FILE MOBILITY to enter this cluster.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE  
IN THE BASIC INDEX (/BI), ABSTRACT (/AB), AND TITLE (/TI) FIELDS <<<

```
=> SiC and Cordierite Diesel Particulate Filters/ti
SIC IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s SiC and Cordierite Diesel Particulate Filters/ti
    273 SIC
    35 CORDIERITE/TI
   11478 DIESEL/TI
    1403 PARTICULATE/TI
    344 FILTERS/TI
     5 CORDIERITE DIESEL PARTICULATE FILTERS/TI
      ((CORDIERITE(W)DIESEL(W)PARTICULATE(W)FILTERS)/TI)
L1      2 SIC AND CORDIERITE DIESEL PARTICULATE FILTERS/TI
```

```
=> S L1 and hashimoto/au
    0 HASHIMOTO/AU
L2      0 L1 AND HASHIMOTO/AU
```

```
=> dup L1 REM
PROCESSING COMPLETED FOR L1
L3      2 DUP REM L1 (0 DUPLICATES REMOVED)
```

```
=> dis L3 1 ALL
```

```
L3      ANSWER 1 OF 2 1MOBILITY COPYRIGHT 2015 SAE on STN.
Full Text
AN      2002:1292 1MOBILITY
DN      2002-01-0322
TI      SiC and Cordierite Diesel Particulate Filters Designed for Low
        Pressure Drop and Catalyzed, Uncatalyzed Systems
```

AU Hashimoto, S.(1); Miyairi, Y.(1); Hamanaka, T.(1); Matsubara, R.(1);  
Harada, T.(1); Miwa, S.(1)  
CS (1)NGK INSULATORS, LTD.  
SO (4 Mar 2002)  
Published by: SAE International, 400 Commonwealth Drive, Warrendale, PA,  
United States  
Conference: SAE 2002 World Congress & Exhibition, Detroit, Michigan,  
United States, 4 Mar 2002  
Secondary Source: SP-1673V111-4  
CY United States  
DT Conference Article; (Paper)  
FS SAE  
LA English  
ED Entered STN: 14 Mar 2002  
Last updated on STN: 10 Feb 2014  
AB DPFs (Diesel Particulate Filters) have been a primary technology  
utilized to purify diesel PM emissions. One of the major challenges of  
the DPF is to reduce pressure drop caused by PM and ash accumulation.  
This paper reports on the definition and investigative results of  
several major parameters which determine the pressure-drop of Cordierite  
and **SiC** (Silicon Carbide) DPF's. After which, the successful material  
development for low pressure-drop Cordierite and **SiC** DPF's are  
presented.  
CC Automotive Sector  
CT Design processes; Emissions; Particulate matter (PM); Particulate  
filters

=>