

Title (en)

EXHAUST SYSTEM FOR A COMBUSTION ENGINE

Title (de)

ABGASSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

SYSTEME D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1687086 A1 20060809 (DE)

Application

EP 04798134 A 20041102

Priority

- EP 2004052748 W 20041102
- DE 10353426 A 20031115

Abstract (en)

[origin: WO2005046869A1] An exhaust system for a combustion engine comprises a deep-bed filter (16) for removing soot from the exhaust gas. The deep-bed filter (16) comprises a catalyst material (18) that promotes soot oxidation. The invention provides that an inner pore structure (28) of the deep-bed filter (16) is provided with a catalyst material (18) that is liquid beyond a temperature of no more than approximately 400 DEG C, preferably of no more than approximately 350 DEG C.

IPC 8 full level

B01J 35/12 (2006.01); **B01D 53/88** (2006.01); **B01D 53/94** (2006.01); **F01N 3/023** (2006.01); **F01N 3/035** (2006.01); **B01J 23/22** (2006.01); **B01J 23/40** (2006.01); **B01J 23/63** (2006.01); **B01J 23/68** (2006.01); **B01J 35/00** (2006.01)

CPC (source: EP US)

B01D 53/9431 (2013.01 - EP US); **B01J 35/27** (2024.01 - EP US); **F01N 3/0231** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **B01D 2257/404** (2013.01 - EP US); **B01D 2258/012** (2013.01 - EP US); **B01J 23/22** (2013.01 - EP US); **B01J 23/40** (2013.01 - EP US); **B01J 23/63** (2013.01 - EP US); **B01J 23/682** (2013.01 - EP US); **B01J 35/19** (2024.01 - EP US)

Citation (search report)

See references of WO 2005046869A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2005046869 A1 20050526; DE 10353426 A1 20050623; EP 1687086 A1 20060809; JP 2007514523 A 20070607; US 2007081925 A1 20070412

DOCDB simple family (application)

EP 2004052748 W 20041102; DE 10353426 A 20031115; EP 04798134 A 20041102; JP 2006538841 A 20041102; US 57890604 A 20041102