

Title (en)

STRUCTURE AND CATALYTIC FILTER FOR FILTERING A GAS COMPRISING A HYDROPHOBIC OR OLEOPHOBIC CEMENT

Title (de)

STRUKTUR UND KATALYTISCHER FILTER ZUR FILTERUNG EINES GASES MIT EINEM HYDROPHOBEN ODER OLEOPHOBEN ZEMENT

Title (fr)

STRUCTURE ET FILTRE CATALYTIQUE POUR LA FILTRATION D'UN GAZ COMPRENANT UN CIMENT HYDROPHOBE OU OLEOPHOBE

Publication

**EP 1890811 A2 20080227 (FR)**

Application

**EP 06778932 A 20060613**

Priority

- FR 2006050554 W 20060613
- FR 0551595 A 20050614

Abstract (en)

[origin: WO2006134303A2] The invention concerns an assembled structure useable, after depositing a catalyst, for filtering a gas loaded with soot particles and gaseous pollutants wherein cement is used as coating and/or as joint comprising at least superficially a hydrophobic or oleophobic material. The invention also concerns an assembled catalytic filter obtained after impregnating in a catalytic solution said structure as well as a method for making the filter from said structure.

IPC 8 full level

**B01J 35/04** (2006.01); **B01D 46/24** (2006.01); **B01D 53/94** (2006.01); **B01J 37/02** (2006.01); **C04B 37/00** (2006.01); **F01N 3/022** (2006.01)

CPC (source: EP US)

**B01J 35/56** (2024.01 - EP US); **B01J 37/0215** (2013.01 - EP US); **F01N 3/0222** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **B01D 2258/012** (2013.01 - EP US); **Y10T 156/1003** (2015.01 - EP US); **Y10T 428/24149** (2015.01 - EP US)

Citation (search report)

See references of WO 2006134303A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2886869 A1 20061215**; **FR 2886869 B1 20070831**; EP 1890811 A2 20080227; JP 2008546517 A 20081225; US 2009297407 A1 20091203; WO 2006134303 A2 20061221; WO 2006134303 A3 20070222

DOCDB simple family (application)

**FR 0551595 A 20050614**; EP 06778932 A 20060613; FR 2006050554 W 20060613; JP 2008516392 A 20060613; US 91746306 A 20060613