

Title (en)

SYSTEM FOR DESULFATING A NOX-TRAP FOR A MOTOR VEHICLE ENGINE

Title (de)

SYSTEM ZUR ENTSCHWEFELUNG EINER NOX-FALLE FÜR EINEN KRAFTFAHRZEUGMOTOR

Title (fr)

SYSTEME DE DESULFATATION D'UN PIEGE A NOX, POUR MOTEUR DE VEHICULE AUTOMOBILE

Publication

**EP 1687520 B1 20080123 (FR)**

Application

**EP 04805448 A 20041112**

Priority

- FR 2004002908 W 20041112
- FR 0313827 A 20031125

Abstract (en)

[origin: FR2862703A1] The exhaust system for an automobile internal combustion engine (4) has a NOx trap (1) working with a catalyst (2) integrated in the exhaust pipe (3). The engine has a control system (7,8) to deliver a lean fuel mixture (9) or a rich fuel mixture (10), and define three fuel mixture strategies (11-13) to hold the trap within a thermal window of maximum efficiency with desulfation.

IPC 8 full level

**F02D 41/02** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

**F02D 41/028** (2013.01 - EP US); **F02D 41/1446** (2013.01 - EP US); **F02D 41/3809** (2013.01 - EP US); **F02D 2041/389** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 2007125068 A1 20070607**; **US 7581388 B2 20090901**; AT E384865 T1 20080215; DE 602004011556 D1 20080313; DE 602004011556 T2 20090129; EP 1687520 A1 20060809; EP 1687520 B1 20080123; FR 2862703 A1 20050527; FR 2862703 B1 20060224; JP 2007512466 A 20070517; WO 2005064142 A1 20050714

DOCDB simple family (application)

**US 59582304 A 20041112**; AT 04805448 T 20041112; DE 602004011556 T 20041112; EP 04805448 A 20041112; FR 0313827 A 20031125; FR 2004002908 W 20041112; JP 2006540507 A 20041112