

Title (en)
SUPPORT SYSTEM FOR THE REGENERATION OF ANTI-POLLUTION MEANS ARRANGED IN AN EXHAUST SYSTEM OF A MOTOR VEHICLE ENGINE

Title (de)
STÜTZSYSTEM ZUR REGENERATION VON IN EINEM ABGASSYSTEM EINES KRAFTFAHRZEUGS ANGEORDNETEN ABGASENTGIFTUNGSMITTELN

Title (fr)
SYSTEME D'AIDE A LA REGENERATION DE MOYENS DE DE POLLUTION INTEGRES DANS UNE LIGNE D'ECHAPPEMENT D'UN MOTEUR DE VEHICULE AUTOMOBILE

Publication
EP 1702144 A1 20060920 (FR)

Application
EP 04805427 A 20041109

Priority
• FR 2004002884 W 20041109
• FR 0313826 A 20031125

Abstract (en)
[origin: FR2862705A1] System for regeneration of exhaust gas cleaning assembly with catalyst and particle filter, integrated into exhaust pipe from an automobile diesel motor with turbocharger. The motor has a fuel injection with at least one post-injection and activated as an isocouple, by modifying control parameters of motor functions with at least two regeneration strategies of first and second levels, to achieve different temperature levels within exhaust pipe. The system is for the regeneration of the exhaust gas cleaning assembly (1) with a catalyst (4) and particle filter (5), integrated into the exhaust pipe (2) from an automobile diesel motor (3) with a turbocharger. The motor has a fuel injection (6) with at least one post-injection and activated as an isocouple, by modifying the control parameters of the motor functions with at least two regeneration strategies of first and second levels (8,9), to achieve different temperature levels within the exhaust pipe. The temperature level for the second strategy is higher than for the first. The control (7) and injection system give a temporary interlock for the second level strategy with an over-calibration (10) to raise and accelerate the temperature rise in the exhaust pipe and/or regenerate the particle filter.

IPC 8 full level
F01N 3/023 (2006.01); **F01N 9/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/04** (2006.01); **F02D 41/40** (2006.01); **F02D 41/00** (2006.01)

CPC (source: EP)
F01N 3/023 (2013.01); **F02D 41/027** (2013.01); **F02D 41/405** (2013.01); **F02D 41/0007** (2013.01); **F02D 41/024** (2013.01); **F02D 41/029** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)
See references of WO 2005064129A1

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)
FR 2862705 A1 20050527; **FR 2862705 B1 20060224**; EP 1702144 A1 20060920; WO 2005064129 A1 20050714

DOCDB simple family (application)
FR 0313826 A 20031125; EP 04805427 A 20041109; FR 2004002884 W 20041109