

Title (en)

Device for introducing additive forming means in a fuel supply tank of a motor vehicle engine

Title (de)

Vorrichtung zur Zuführung von additivbildenden Mitteln in einen Kraftstofftank eines Kraftfahrzeugmotors

Title (fr)

Dispositif d'introduction de moyens formant additif dans un réservoir de carburant d'alimentation d'un moteur de véhicule automobile

Publication

EP 1736653 A1 20061227 (FR)

Application

EP 06291021 A 20060621

Priority

FR 0506290 A 20050621

Abstract (en)

The device has pollution control units disposed in the exhaust line of a diesel engine (1) of a motor vehicle comprising an additive tank (10) and a fuel tank (2). A metering pump (13) and an injector (14) are connected to the tanks. An electronic control case (20) controls the pump and the injector to inject the additives. The case is associated to moving conditions analyzing units (30) of the vehicle to control the pump and the injector, so as to adapt the additive concentration in the fuel to the conditions favorable or unfavorable to the regeneration of the pollution control units.

IPC 8 full level

F02D 19/12 (2006.01); **F02M 25/00** (2006.01)

CPC (source: EP)

F02D 19/12 (2013.01); **F02D 41/0025** (2013.01); **F02D 41/029** (2013.01); **F02M 25/00** (2013.01); **F02M 37/0064** (2013.01); **F01N 2430/04** (2013.01); **F02D 2200/501** (2013.01); **F02D 2200/606** (2013.01)

Citation (search report)

- [A] WO 9514161 A1 19950526 - LANG APPARATEBAU GMBH [DE]
- [A] EP 0488831 A1 19920603 - PEUGEOT [FR], et al
- [A] EP 0661429 A1 19950705 - PEUGEOT [FR], et al
- [A] WO 02097256 A2 20021205 - ASS OCTEL [GB], et al
- [A] FR 2771449 A1 19990528 - ECIA EQUIP COMPOSANTS IND AUTO [FR]

Cited by

FR3010730A1; FR3091540A1; FR3073428A1; EP2604832A1; FR2983902A1; FR3073252A1; DE102011015061A1; WO2012127044A1

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1736653 A1 20061227; **EP 1736653 B1 20080416**; AT E392543 T1 20080515; DE 602006000929 D1 20080529; DE 602006000929 T2 20090604; ES 2303319 T3 20080801; FR 2887302 A1 20061222

DOCDB simple family (application)

EP 06291021 A 20060621; AT 06291021 T 20060621; DE 602006000929 T 20060621; ES 06291021 T 20060621; FR 0506290 A 20050621