

Title (en)

A method and device for controlling black smoke in a diesel engine

Title (de)

Verfahren und Vorrichtung zur Steuerung der Schwarzrauchemission für Dieselmotoren

Title (fr)

Méthode et dispositif pour commander l'émission des fumées noires pour un moteur diesel

Publication

EP 1413732 B1 20070221 (EN)

Application

EP 03024199 A 20031021

Priority

IT TO20020929 A 20021025

Abstract (en)

[origin: EP1413732A1] First parameter (ω) representing instantaneous engine speed, second parameter (O_2) correlated to instantaneous quantity of oxygen present in combustion chamber of engine, and third parameter (ρ) correlated to instantaneous injection pressure of fuel are determined. A signal (F) representing actual admissible fuel supply or actual admissible air-fuel ratio is [provided based on the determined parameters. Independent claims are also included for the following: (a) a device for controlling black smoke in diesel engine; (b) a computer program adapted to perform method of controlling black smoke in diesel engine; and (c) a computer readable medium storing program adapted to perform method of controlling black smoke in diesel engine.

IPC 8 full level

F02D 41/38 (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)

F02D 41/1458 (2013.01); **F02D 41/2409** (2013.01); **F02D 41/3827** (2013.01); **F02D 41/187** (2013.01); **F02D 41/3836** (2013.01); **F02D 2200/0402** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2250/32** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1413732 A1 20040428; **EP 1413732 B1 20070221**; AT E354725 T1 20070315; DE 60311934 D1 20070405; DE 60311934 T2 20071206; ES 2282558 T3 20071016; IT TO20020929 A1 20040426

DOCDB simple family (application)

EP 03024199 A 20031021; AT 03024199 T 20031021; DE 60311934 T 20031021; ES 03024199 T 20031021; IT TO20020929 A 20021025