

Title (en)

Method for cleaning exhaust gases of a combustion motor with a catalytic convertor

Title (de)

Verfahren zur Reinigung der Abgase eines Verbrennungsmotors mit einem Katalysator

Title (fr)

Procédé de nettoyage des gaz d'échappement d'un moteur à combustion interne doté d'un catalyseur

Publication

EP 2253821 B1 20110720 (DE)

Application

EP 09160947 A 20090522

Priority

EP 09160947 A 20090522

Abstract (en)

[origin: EP2253821A1] The method involves providing an engine with an electronic engine control. Filling degree of an oxygen tank is returned to an optimum filling degree for a stoichiometric operation after a temporary lean-operation phases of the engine, which is connected with a filling of the oxygen tank, and before resuming controlled engine operation. The engine is supplied with rich pulses by a lean pulse, where amount of oxidative components supplied to a catalytic converter is smaller than amount, which is supplied with the rich pulses for complete compensation, of fat exhaust gas components.

IPC 8 full level

F02D 41/02 (2006.01); **F02D 41/12** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP KR US)

F02D 41/02 (2013.01 - KR); **F02D 41/0295** (2013.01 - EP US); **F02D 41/12** (2013.01 - KR); **F02D 41/126** (2013.01 - EP US); **F02D 41/14** (2013.01 - KR); **F02D 41/1439** (2013.01 - EP US); **F02D 41/1475** (2013.01 - EP US); **F02D 2200/0814** (2013.01 - EP US); **F02D 2200/0816** (2013.01 - EP US)

Cited by

CN104704214A; EP2891777A4; FR3101673A1; US2024026808A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2253821 A1 20101124; **EP 2253821 B1 20110720**; AT E517245 T1 20110815; BR PI1012807 A2 20180116; CN 102439278 A 20120502; JP 2012527560 A 20121108; KR 20120024617 A 20120314; RU 2011152239 A 20130627; US 2012067030 A1 20120322; WO 2010133370 A1 20101125

DOCDB simple family (application)

EP 09160947 A 20090522; AT 09160947 T 20090522; BR PI1012807 A 20100520; CN 201080022232 A 20100520; EP 2010003111 W 20100520; JP 2012511196 A 20100520; KR 20117027516 A 20100520; RU 2011152239 A 20100520; US 201013321769 A 20100520