

Title (en)

METHOD PERTAINING TO HC DOSING SYSTEMS AND DEVICE OF HC DOSING SYSTEMS

Title (de)

VERFAHREN FÜR HC-DOSIERSYSTEME UND VORRICHTUNG VON HC-DOSIERSYSTEMEN

Title (fr)

DISPOSITIF ET PROCÉDÉ S'APPLIQUANT À DES SYSTÈMES DE DOSAGE D'HYDROCARBURES (HC)

Publication

EP 2582936 A4 20141217 (EN)

Application

EP 11798468 A 20110620

Priority

- SE 1050652 A 20100621
- SE 2011050796 W 20110620

Abstract (en)

[origin: WO2011162698A1] The invention relates to a method pertaining to an HC dosing system for cleaning of exhaust gases from an engine (150) which comprises a dosing unit (250) to supply a fuel to an exhaust duct (240), comprising the step of determining (s340) whether there is an undesired temperature level of said dosing unit (250). The method comprises also the step, if it is found that there is said undesired temperature level, of removing (s360) warmed fuel from said dosing unit (250) by supplying it to said exhaust duct (240), which entails - calculating (s350) and removing an amount of fuel which is removable on the basis of a prevailing temperature of the dosing unit (250), or - removing (s360) a predetermined amount in the form of substantially all of the warmed fuel of the dosing unit (250) from it to said exhaust duct. The invention relates also to a computer programme product containing programme code (P) for a computer (200; 210) for implementing a method according to the invention. The invention relates also to a device and a motor vehicle (100) which is equipped with the device.

IPC 8 full level

F01N 3/025 (2006.01); **F01N 3/023** (2006.01); **F01N 3/20** (2006.01); **F01N 9/00** (2006.01); **F01N 11/00** (2006.01)

CPC (source: EP SE US)

F01N 3/023 (2013.01 - US); **F01N 3/0253** (2013.01 - EP SE US); **F01N 3/36** (2013.01 - SE); **F01N 9/002** (2013.01 - EP US); **F01N 11/00** (2013.01 - EP US); **F01N 11/002** (2013.01 - EP US); **F01N 3/208** (2013.01 - SE); **F01N 2550/05** (2013.01 - EP SE US); **F01N 2610/03** (2013.01 - EP SE US); **F01N 2610/11** (2013.01 - EP US); **F01N 2610/146** (2013.01 - EP US); **F01N 2610/1493** (2013.01 - EP US); **F01N 2900/1811** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

- [X] WO 2009053806 A2 20090430 - TOYOTA MOTOR CO LTD [JP], et al
- [X] EP 1933014 A1 20080618 - TOYOTA MOTOR CO LTD [JP]
- [A] JP 2005113688 A 20050428 - NISSAN DIESEL MOTOR CO
- [A] WO 2010003424 A1 20100114 - GRUNDFOS NONOX AS [DK], et al
- See also references of WO 2011162698A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011162698 A1 20111229; BR 112012032552 A2 20161122; CN 103003538 A 20130327; EP 2582936 A1 20130424; EP 2582936 A4 20141217; JP 2013534990 A 20130909; SE 1050652 A1 20111222; SE 536316 C2 20130820; US 2013111885 A1 20130509

DOCDB simple family (application)

SE 2011050796 W 20110620; BR 112012032552 A 20110620; CN 201180035560 A 20110620; EP 11798468 A 20110620; JP 2013516540 A 20110620; SE 1050652 A 20100621; US 201113805127 A 20110620