

Title (en)

METHOD FOR DIAGNOSING THE BYPASS FLAP OF AN EXCHANGER IN AN EXHAUST GAS RECIRCULATION SYSTEM

Title (de)

VERFAHREN ZUR BEWERTUNG DER UMLEITUNGSKLAPPE EINES AUSTAUSCHERS IN EINEM ABGASRÜCKFÜHRUNGSSYSTEM

Title (fr)

PROCEDE DE DIAGNOSTIC DU VOLET DE DERIVATION DE L'ECHANGEUR DANS UN SYSTEME DE RECIRCULATION DES GAZ D'ECHAPPEMENT

Publication

EP 2191125 A2 20100602 (FR)

Application

EP 08837336 A 20080919

Priority

- FR 2008051689 W 20080919
- FR 0757714 A 20070920

Abstract (en)

[origin: WO2009047465A2] The invention relates to a method for diagnosing a failure of an EGR circuit (20) in an engine that comprises an EGR exchanger (22), an EGR valve (21), an EGR exchanger bypass duct (24), and a so-called bypass flap (23a) located upstream from the EGR exchanger (22) and the bypass circuit (24) in order to adjust the proportion of exhaust gases flowing therethrough, wherein the EGR circuit (20) can be activated in a so-called cooled mode in which the flap (23a) is shut and in a so-called bypass mode in which the flap (23a) is open. The method comprises the step of estimating the temperature of the exhaust gases (TsEGRest_byp) at the outlet of the EGR exchanger (22) when the EGR circuit (20) is in the bypass mode.

IPC 8 full level

F02D 41/00 (2006.01); **F02B 77/08** (2006.01); **F02D 21/08** (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP US)

F02M 26/25 (2016.02 - EP US); **F02M 26/33** (2016.02 - EP US); **F02M 26/47** (2016.02 - EP US); **F02M 26/49** (2016.02 - EP US); **F02B 29/0406** (2013.01 - EP US); **F02D 41/0055** (2013.01 - EP US); **F02D 41/221** (2013.01 - EP US); **F02D 2041/0067** (2013.01 - EP US); **F02M 26/05** (2016.02 - EP US)

Citation (search report)

See references of WO 2009047465A2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2921426 A1 20090327; **FR 2921426 B1 20140214**; EP 2191125 A2 20100602; EP 2191125 B1 20170614; JP 2010539390 A 20101216; US 2010307231 A1 20101209; WO 2009047465 A2 20090416; WO 2009047465 A3 20090604

DOCDB simple family (application)

FR 0757714 A 20070920; EP 08837336 A 20080919; FR 2008051689 W 20080919; JP 2010525412 A 20080919; US 67919708 A 20080919