

Title (en)

CONTROL DEVICE FOR COMMON-RAIL SYSTEM IN ABNORMAL CONDITION

Title (de)

STEUERVORRICHTUNG FÜR COMMON-RAIL-SYSTEM UNTER ABNORMALEN BEDINGUNGEN

Title (fr)

DISPOSITIF DE COMMANDE POUR SYSTÈME À RAMPE COMMUNE DANS UN ÉTAT ANORMAL

Publication

EP 2246550 A4 20110713 (EN)

Application

EP 08872836 A 20081118

Priority

- JP 2008003365 W 20081118
- JP 2008042874 A 20080225

Abstract (en)

[origin: EP2246550A1] Provided is an abnormality control system for a common rail system that can prevent an incorrect abnormality detection in low temperature conditions. Upon starting of a fuel leakage determining process, the abnormality detecting unit (91) computes a pressure difference #Pr between a target rail pressure Prtgt and a rail pressure detection value Prr in step S1, and then determines if the pressure difference #Pr is higher than a rail pressure drop detection threshold value Prth in step S2. When the determination result of step S2 is Yes, the abnormality detecting unit (91) sets an abnormality code Cerr to 1 in step S5, sets the output reduction flag Ffc to 1 in step S6, and determines if the fuel temperature Tf received from the fuel temperature sensor (73) is higher than a waxing detection threshold value Tfth in step S7. When the fuel temperature Tf is relatively high, and the determination result of step S7 is thereby Yes, the abnormality detecting unit (91) sets the fuel leakage flag Ffl to 1 in step S8 as a case of leakage in the fuel system.

IPC 8 full level

F02D 45/00 (2006.01); **F02D 41/22** (2006.01); **F02M 51/00** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP)

F02D 41/22 (2013.01); **F02D 41/3836** (2013.01); **F02M 63/0205** (2013.01); **F02D 2041/224** (2013.01); **F02D 2041/225** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2200/0606** (2013.01); **F02D 2250/31** (2013.01)

Citation (search report)

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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

DOCDB simple family (publication)

EP 2246550 A1 20101103; EP 2246550 A4 20110713; EP 2246550 B1 20140723; JP 2009197756 A 20090903; WO 2009107175 A1 20090903

DOCDB simple family (application)

EP 08872836 A 20081118; JP 2008003365 W 20081118; JP 2008042874 A 20080225