

Title (en)

Malfunction diagnostic device and malfunction diagnostic method for fuel system

Title (de)

Fehlfunktionsdiagnosevorrichtung und Fehlfunktionsdiagnoseverfahren für Kraftstoffanlage

Title (fr)

Dispositif de diagnostic de défaillances et procédé de diagnostic de défaillances pour système de carburant

Publication

EP 2116711 A1 20091111 (EN)

Application

EP 09159769 A 20090508

Priority

- JP 2008122420 A 20080508
- JP 2008122421 A 20080508

Abstract (en)

An ECU (200) executes a program including a step (S102) of controlling an injector so as to stop the injection of fuel and a step (S108) of controlling a pressure reducing valve (138) to open when an output shaft rotation speed of an engine (100) decreases to a threshold value (YES in S104). Whether the pressure reducing valve (138) malfunctions or operates normally is diagnosed based on the behavior of fuel pressure in a common rail (116).

IPC 8 full level

F02D 41/22 (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP)

F02D 41/221 (2013.01); **F02D 41/3863** (2013.01); **F02D 41/222** (2013.01); **F02D 2041/224** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2250/31** (2013.01)

Citation (applicant)

- JP 2007100624 A 20070419 - DENSO CORP
- DE 102006000117 A1 20061130 - DENSO CORP [JP]

Citation (search report)

- [X] DE 102006000117 A1 20061130 - DENSO CORP [JP]
- [A] US 2007079808 A1 20070412 - TAKAHASHI TOMOHIRO [JP]

Cited by

CN110462200A; CN116176860A; CN107923336A; CN112814796A; WO2012150003A1; US9458786B2; US10781766B2

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)

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