

Title (en)

Method and device for monitoring a fuel pressure sensor

Title (de)

Verfahren und Vorrichtung zum Überwachen eines Kraftstoffdrucksensors

Title (fr)

Méthode et dispositif de surveillance d'un capteur de pression de carburant

Publication

**EP 1526269 B1 20120613 (DE)**

Application

**EP 04104594 A 20040922**

Priority

DE 10348610 A 20031020

Abstract (en)

[origin: EP1526269A2] The fuel pressure sensor (58) is located in a fuel accumulator (55) of an engine with fuel pumps (51,54) and injection valves (34). A temporary change in the fuel pressure determined by the sensor is compared to a temporary change in an estimated fuel pressure, and a sensor error is recognized dependent upon the comparison. The change in the estimated pressure is calculated dependent upon a fuel volume supplied by the injection valves, and a fuel volume supplied by the pump into the tank. The comparison is carried out only, when the change in actual fuel pressure exceeds a set value.

IPC 8 full level

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

CPC (source: EP)

**F02D 41/222** (2013.01); **F02D 41/3836** (2013.01); **F02D 41/3845** (2013.01); **F02D 2041/223** (2013.01); **F02D 2200/0604** (2013.01)

Cited by

EP1867859A4; FR2896542A1; US2010121600A1; EP2184473A3; US9751396B2; US8113039B2; WO2008058969A1; WO2007141097A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1526269 A2 20050427**; **EP 1526269 A3 20060906**; **EP 1526269 B1 20120613**; DE 10348610 A1 20050525; DE 10348610 B4 20090709

DOCDB simple family (application)

**EP 04104594 A 20040922**; DE 10348610 A 20031020