

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 A3 20060906 (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)

Citation (search report)

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- [XY] WO 03027472 A1 20030403 - BOSCH GMBH ROBERT [US], et al
- [A] EP 0857867 A1 19980812 - BOSCH GMBH ROBERT [DE]
- [A] EP 1201905 A2 20020502 - TOYOTA MOTOR CO LTD [JP], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09 31 July 1998 (1998-07-31)

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