

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

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CPC (source: EP)

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Cited by

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

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