

Title (en)

METHOD FOR MONITORING A PASSIVE PRESSURE REGULATOR VALVE

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINES PASSIVEN DRUCKREGELVENTILS

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE SOUPAPE DE REGULATION DE PRESSION

Publication

EP 2705236 B1 20150401 (DE)

Application

EP 12715854 A 20120419

Priority

- DE 102011100189 A 20110502
- EP 2012001694 W 20120419

Abstract (en)

[origin: WO2012150003A1] Proposed is a method for monitoring a passive pressure limiting valve (11) via which fuel is discharged from the rail (6) of a common rail system into the fuel tank (2), in which method, upon the detection of a defective rail pressure sensor (9), a switch is made from a rail pressure regulation mode into an emergency mode, wherein in the emergency mode, the rail pressure is successively increased until the pressure limiting valve (11) reacts, in which method, in the emergency mode, the pressure limiting valve (11) is set as open when the starting phase of the internal combustion engine has additionally been detected as having ended, and in which method, in addition, the opening duration of the pressure limiting valve (11) is monitored.

IPC 8 full level

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

CPC (source: EP KR US)

F02D 41/22 (2013.01 - KR); **F02D 41/221** (2013.01 - EP US); **F02D 41/222** (2013.01 - US); **F02D 41/38** (2013.01 - KR); **F02D 41/3863** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011100189 A1 20121108; CN 103732891 A 20140416; CN 103732891 B 20160817; EP 2705236 A1 20140312; EP 2705236 B1 20150401; KR 101791532 B1 20171030; KR 20140028050 A 20140307; US 2014109876 A1 20140424; US 9458786 B2 20161004; WO 2012150003 A1 20121108

DOCDB simple family (application)

DE 102011100189 A 20110502; CN 201280021315 A 20120419; EP 12715854 A 20120419; EP 2012001694 W 20120419; KR 20137032019 A 20120419; US 201214115168 A 20120419