Title (en)
METHOD AND DEVICE FOR FAULT DETECTION DURING THE OPERATION OF A FUEL INJECTION SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM FEHLERERKENNUNG BEIM BETREIBEN EINES KRAFTSTOFFEINSPRITZSYSTEMS

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA DÉTECTION DES ERREURS PENDANT L'OPÉRATION D'UN SYSTÈME D'INJECTION DE CARBURANT

Publication
EP 2593654 A2 20130522 (DE)

Application
EP 11727465 A 20110627

Priority
• DE 102010031220 A 20100712
• EP 2011060686 W 20110627

Abstract (en)
[origin: WO2012007265A2] The invention relates to a method for operating a fuel injection system (130), in particular for an internal combustion engine (1) of a motor vehicle, in which an output signal (Sprail), which characterizes a fuel pressure (prail) in a pressure accumulator (13), of a pressure sensor (14) which is assigned to the pressure accumulator (13) is evaluated. According to the invention, an undesirably high fuel pressure is inferred in the pressure accumulator (13) and/or a fault is inferred in the fuel injection system (130) if the output signal (Sprail) assumes a maximum possible value (Smax) for at least one predefinable observation time period (Tb).

IPC 8 full level
F02D 41/22 (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)
F02D 41/22 (2013.01 - EP US); **F02M 63/025** (2013.01 - EP US); **F02M 65/003** (2013.01 - EP US); **F02M 69/04** (2013.01 - US); F02D 41/222 (2013.01 - EP US); F02D 41/3845 (2013.01 - EP US); F02D 41/3863 (2013.01 - EP US); F02D 2041/2048 (2013.01 - EP US); F02D 2041/223 (2013.01 - EP US); F02D 2041/224 (2013.01 - EP US); F02D 2200/0602 (2013.01 - EP US); Y02T 10/40 (2013.01 - EP US)

Citation (search report)
See references of WO 2012007265A2

Cited by
WO2019057666A1

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 102010031220 A1 20120112; CN 102985670 A 20130320; CN 102985670 B 20160608; EP 2593654 A2 20130522; US 2013167809 A1 20130704; WO 2012007265 A2 20120119; WO 2012007265 A3 20120308

DOCDB simple family (application)
DE 102010031220 A 20100712; CN 201180034384 A 20110627; EP 11727465 A 20110627; EP 2011060686 W 20110627; US 201113809125 A 20110627