

Title (en)

METHOD FOR OPERATING A FUEL INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETREIBEN EINES KRAFTSTOFFEINSPRITZSYSTEMS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2376761 B1 20151104 (DE)**

Application

**EP 09764836 A 20091207**

Priority

- EP 2009066483 W 20091207
- DE 102008054512 A 20081211

Abstract (en)

[origin: WO2010066663A1] In a fuel system (10) of an internal combustion engine, fuel is delivered into a fuel rail (18) by a high-pressure pump (16). The amount of the delivered fuel is influenced by an amount control valve (30), which is actuated by an electromagnetic actuating device (34). It is proposed that at least one parameter of a braking pulse of the electromagnetic actuating device (34) depend on an efficiency of the electromagnetic actuating device and/or on a supply voltage of a voltage source and/or on a temperature, particularly of a component of the fuel injection system (10) or of the internal combustion engine.

IPC 8 full level

**F02D 41/20** (2006.01)

CPC (source: EP KR US)

**F02D 41/20** (2013.01 - EP KR US); **F02D 41/2464** (2013.01 - EP KR US); **F02D 41/345** (2013.01 - KR); **F02D 41/3845** (2013.01 - KR); **F02D 41/401** (2013.01 - KR); **F02D 41/345** (2013.01 - EP US); **F02D 41/3845** (2013.01 - EP US); **F02D 41/401** (2013.01 - EP US); **F02D 2041/2027** (2013.01 - EP KR US); **F02D 2041/2037** (2013.01 - EP KR US); **F02D 2041/2055** (2013.01 - EP KR US); **F02D 2200/0602** (2013.01 - EP KR US)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**DE 102008054512 A1 20100617**; **DE 102008054512 B4 20210805**; CN 102245881 A 20111116; CN 102245881 B 20140205; EP 2376761 A1 20111019; EP 2376761 B1 20151104; JP 2012511658 A 20120524; JP 5254461 B2 20130807; KR 101666693 B1 20161017; KR 20110106847 A 201110929; US 2011288748 A1 20111124; US 9121360 B2 20150901; WO 2010066663 A1 20100617

DOCDB simple family (application)

**DE 102008054512 A 20081211**; CN 200980149671 A 20091207; EP 09764836 A 20091207; EP 2009066483 W 20091207; JP 2011540036 A 20091207; KR 20117013327 A 20091207; US 200913139206 A 20091207