

Title (en)

Method and control device for controlling a fuel injector

Title (de)

Verfahren und Steuervorrichtung zur Ansteuerung eines Kraftstoffinjektors

Title (fr)

Procédé et dispositif de commande d'un injecteur de carburant

Publication

EP 2180168 A3 20140507 (DE)

Application

EP 09171347 A 20090925

Priority

DE 102008042981 A 20081021

Abstract (en)

[origin: EP2180168A2] The method involves actuating actuator by using an actuation current signal for a fuel injection. Actual actuator voltages (144,146) are determined during fuel injection (150). The control current signal is regulated, when the actual actuator voltage lies above actuator voltage threshold value (112), for another fuel injection in such a way that the actual actuator voltage approaches a reference actuator voltage (114) during another fuel injection. An independent claim is included for a control device for actuating a fuel injector for an internal combustion engine.

IPC 8 full level

F02D 41/20 (2006.01)

CPC (source: EP US)

F02D 41/2096 (2013.01 - EP US); **F02D 41/221** (2013.01 - EP US); **F02D 41/2416** (2013.01 - EP US); **F02D 2041/2051** (2013.01 - EP US); **F02D 2041/2065** (2013.01 - EP US)

Citation (search report)

- [XYI] DE 19845042 A1 20000420 - SIEMENS AG [DE]
- [XP] EP 2048343 A1 20090415 - DELPHI TECH INC [US]
- [Y] WO 0250413 A1 20020627 - SIEMENS AG [DE], et al
- [Y] EP 1138915 A1 20011004 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1505288 A2 20050209 - BOSCH GMBH ROBERT [DE]

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)

EP 2180168 A2 20100428; EP 2180168 A3 20140507; DE 102008042981 A1 20100422; US 2010095936 A1 20100422

DOCDB simple family (application)

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