

Title (en)

Method for controlling an electrically operated injection valve of an internal combustion engine

Title (de)

Verfahren zur Korrektur der Ansteuerspannung eines elektrisch betriebenen Aktors eines Einspritzventils für einen Verbrennungsmotor

Title (fr)

Procédé de commande d'un soupape d'injection actionné électriquement pour un moteur à combustion interne

Publication

EP 1138916 A3 20031217 (DE)

Application

EP 01104673 A 20010224

Priority

DE 10016475 A 20000401

Abstract (en)

[origin: EP1138916A2] The method involves increasing or reducing the drive voltage depending on the operating conditions of the injection valve. Past offset values for the drive voltage are stored, the highest and lowest (Mx, Mn) are selected and used to form a maximum bandwidth for the offset values that remains available for subsequent operation and any required adaptation of the drive voltage.

IPC 1-7

F02D 41/20; **F02D 41/24**

IPC 8 full level

F02M 51/06 (2006.01); **F02D 41/20** (2006.01); **F02D 41/24** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP)

F02D 41/20 (2013.01); **F02D 41/3809** (2013.01)

Citation (search report)

- [A] EP 0971115 A2 20000112 - ISUZU MOTORS LTD [JP]
- [A] DE 19854789 A1 19990812 - BOSCH GMBH ROBERT [DE]
- [A] DE 19652807 A1 19980625 - SIEMENS AG [DE]

Cited by

WO2009144099A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1138916 A2 20011004; **EP 1138916 A3 20031217**; **EP 1138916 B1 20050223**; DE 10016475 A1 20011011; DE 50105399 D1 20050331; JP 2001289102 A 20011019

DOCDB simple family (application)

EP 01104673 A 20010224; DE 10016475 A 20000401; DE 50105399 T 20010224; JP 2001096231 A 20010329