

Title (en)  
Method and motor control device

Title (de)  
Verfahren und Motorsteuergerät

Title (fr)  
Procédé et appareil de commande de moteur

Publication  
**EP 1816335 A3 20100310 (DE)**

Application  
**EP 07100447 A 20070112**

Priority  
DE 102006004602 A 20060201

Abstract (en)  
[origin: DE102006004602B3] The method involves measuring pressure in a rail of a pressure control valve, and determining a control flow of the pressure control valve. A stored pre-controlled engine characteristic is adjusted by a regression process under inclusion of the measured pressure and the determined control flow, where the stored pre-controlled engine characteristic is an analytical function or a sum of analytical functions or a sum of finite units. An independent claim is also included for an electronic control unit for implementing a method for approximating a stored pre-controlled engine characteristic of a pressure control valve of a common rail system to an effective pre-controlled engine characteristic.

IPC 8 full level  
**F02D 41/14** (2006.01); **F02D 41/24** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)  
**F02D 41/2464** (2013.01 - EP US); **F02D 41/2477** (2013.01 - EP US); **F02D 41/3863** (2013.01 - EP US); **F02D 41/1406** (2013.01 - EP US); **F02D 2041/141** (2013.01 - EP US); **Y10T 70/5212** (2015.04 - EP US); **Y10T 70/5257** (2015.04 - EP US)

Citation (search report)

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- [Y] DE 10162989 C1 20031009 - SIEMENS AG [DE]
- [Y] DE 4418731 A1 19951130 - BOSCH GMBH ROBERT [DE]
- [A] US 6497223 B1 20021224 - TUKEN TANER [US], et al
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- [A] D. W. ROSE; M. CARY; S. B. ZULCZYK; R. SBASCHNIG; K. M. EBRAHIMI: "An engine mapping case study~A two-stage regression approach", CONFERENCE INFO: STATISTICS AND ANALYTICAL METHODS IN AUTOMOTIVE ENGINEERING - 24/25-09-2002, 24 September 2002 (2002-09-24), Institution of Mechanical Engineers, London, England, pages 53 - 79, XP008118118, ISBN: 1-86058-387-3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102006004602 B3 20070531**; CN 101012795 A 20070808; CN 101012795 B 20120530; EP 1816335 A2 20070808; EP 1816335 A3 20100310; US 2007192016 A1 20070816; US 7454283 B2 20081118

DOCDB simple family (application)  
**DE 102006004602 A 20060201**; CN 200710007992 A 20070201; EP 07100447 A 20070112; US 67018607 A 20070201