

Title (en)

Method and system for the injector-individual adaptation of the injection time of motor vehicles

Title (de)

Verfahren und System zur injektorindividuellen Anpassung der Einspritzzeit von Kraftfahrzeugen

Title (fr)

Procédé et système pour réajuster le temps d'injection de carburant dans un cylindre de façon individuelle pour un véhicule à moteur

Publication

EP 2336534 A1 20110622 (EN)

Application

EP 09180036 A 20091218

Priority

EP 09180036 A 20091218

Abstract (en)

A method for fuel injector installation in an engine comprises the steps of determining fuel injector parameters specific to a particular fuel injector based on test performance data; associating the fuel injector parameters specific to the particular fuel injector in a machine readable format; and installing the fuel injector in an engine and retrieving and transferring the associated fuel injector parameters into a control unit of said engine. The control unit is configured to receive, for each fuel injector to be installed in said engine, fitting information relative to a predetermined, stored set of segments of a predetermined master performance curve, wherein each segment corresponds to a distinct, operating injector pulse width range; and the fitting information relative to the stored set of segments is comprised in the fuel injector parameters in machine readable format that are associated with the particular fuel injector.

IPC 8 full level

F02D 41/24 (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP)

F02D 41/2412 (2013.01); **F02D 41/2435** (2013.01); **F02D 41/2467** (2013.01); **F02M 65/00** (2013.01); **F02D 41/2416** (2013.01); **F02M 2200/8007** (2013.01)

Citation (applicant)

US 7136743 B2 20061114 - PELTIER DANIEL E [US]

Citation (search report)

- [XYI] EP 0771942 A1 19970507 - BAYERISCHE MOTOREN WERKE AG [DE]
- [XY] DE 102006009920 A1 20070906 - BOSCH GMBH ROBERT [DE]
- [X] DE 102004053266 A1 20060511 - BOSCH GMBH ROBERT [DE]
- [XDY] WO 0244543 A2 20020606 - BOMBARDIER MOTOR CORP OF US [US]
- [XY] EP 1691067 A2 20060816 - HITACHI LTD [JP]
- [Y] EP 1526267 A2 20050427 - SIEMENS AG [DE]

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CN105658938A; EP2706216A1; EP2923057A4; US9670862B2; WO2015058869A1

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2336534 A1 20110622; WO 2011073147 A1 20110623

DOCDB simple family (application)

EP 09180036 A 20091218; EP 2010069539 W 20101213