

Title (en)

Engine system implementing speed parameter-based injector balancing

Title (de)

Antriebssystem mit geschwindigkeitsparameterbasiertem Injektionsausgleich

Title (fr)

Système de moteur mettant en oeuvre un équilibrage d'injecteur à base de paramètre de vitesse

Publication

EP 2065588 A1 20090603 (EN)

Application

EP 07121925 A 20071129

Priority

EP 07121925 A 20071129

Abstract (en)

A method is disclosed for operating an engine that may have at least one cylinder with a piston reciprocally movably arranged. The method may include measuring a speed parameter of the engine. Information about a variation of the speed parameter associated with firing of the at least one cylinder may be obtained. Based on this information, an amount of fuel that may be supplied into the cylinder may be regulated so that an actual speed parameter variation value may be obtained which may be substantially equal to a desired speed parameter variation value or within a range of desired speed parameter variation values. In another aspect of the disclosure an engine may be provided that may have a sensor for sensing an engine speed parameter and that may have a controller that can perform the above method.

IPC 8 full level

F02D 41/00 (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP)

F02D 41/0085 (2013.01); **F02D 41/1498** (2013.01); **F02D 41/22** (2013.01)

Citation (search report)

- [XY] DE 19741965 C1 19990121 - SIEMENS AG [DE]
- [X] EP 1215386 A2 20020619 - TOYOTA MOTOR CO LTD [JP]
- [X] US 2002148441 A1 20021017 - TUKEN TANER [US]
- [X] EP 0113510 A2 19840718 - GEN MOTORS CORP [US]
- [X] US 6021758 A 20000208 - CAREY DAVID M [US], et al
- [X] DE 4104742 A1 19910912 - YAMAHA MOTOR CO LTD [JP]
- [Y] WO 0157392 A1 20010809 - BOSCH GMBH ROBERT [DE], et al

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2065588 A1 20090603

DOCDB simple family (application)

EP 07121925 A 20071129