

Title (en)

Control system for operating a Diesel engine of an automotive vehicle

Title (de)

Steuereinrichtung um einen Kraftfahrzeug-Dieselmotor zu betreiben

Title (fr)

Système de contrôle du fonctionnement d'un moteur Diesel de véhicule automobile

Publication

EP 1731745 A1 20061213 (FR)

Application

EP 06290916 A 20060606

Priority

FR 0505784 A 20050607

Abstract (en)

A slave module controls fuel supply of a reference cylinder (12a) as a function of pressure detected by an acquisition chain (26). The drive shaft rotation speeds generated by the displacement of the piston (20a) of reference cylinder and the pistons (20b-20d) of other cylinders (12b-12d), are measured. A controller controls the fuel supply of other cylinders as a function of the measured speeds such that the shaft rotation speed of other cylinders follow the shaft rotation speed of reference cylinder.

IPC 8 full level

F02D 41/14 (2006.01); **F02D 35/02** (2006.01)

CPC (source: EP US)

F02D 35/023 (2013.01 - EP US); **F02D 41/008** (2013.01 - EP US); **F02D 41/1497** (2013.01 - EP US); **F02D 2041/1418** (2013.01 - EP US)

Citation (applicant)

DE 10227279 A1 20040108 - BOSCH GMBH ROBERT [DE]

Citation (search report)

- [X] DE 10227279 A1 20040108 - BOSCH GMBH ROBERT [DE]
- [A] US 6082330 A 20000704 - ALBERTER GUENTER [DE], et al
- [A] US 5740780 A 19980421 - SHIMIZU HIROKAZU [JP], et al
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Cited by

FR2982642A1; EP2184472A1

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 YU

DOCDB simple family (publication)

EP 1731745 A1 20061213; **EP 1731745 B1 20150422**; FR 2886680 A1 20061208; FR 2886680 B1 20070928; JP 2006342806 A 20061221; JP 2012036903 A 20120223; US 2006272612 A1 20061207; US 7765979 B2 20100803

DOCDB simple family (application)

EP 06290916 A 20060606; FR 0505784 A 20050607; JP 2006157185 A 20060606; JP 2011232086 A 20111021; US 42259606 A 20060606