Title (en)

DIESEL ENGINE FUEL INJECTION AMOUNT CONTROL DEVICE

Title (de)

VORRICHTUNG ZUR STEUERUNG DER KRAFTSTOFFEINSPRITZUNG IN DIESELMOTOREN

Title (fr)

DISPOSITIF DE COMMANDE DE QUANTITE D INJECTION DE CARBURANT D UN MOTEUR DIESEL

Publication

EP 1870587 A4 20090930 (EN)

Application

EP 06731914 A 20060414

Priority

- JP 2006307978 W 20060414
- JP 2005118827 A 20050415

Abstract (en)

[origin: EP1870587A1] A control computer (C) stores a map shown in Fig. 1(b). Curve h1 expresses a part of a map set in correspondence to a transient state, and curve h2 expresses a part of a map set in correspondence to a non-transient state. The map corresponding to an assembly of a lot of curves including curve h1 corresponds to a first injection amount upper limit value previously determined in correspondence to a first injection amount upper limit value information previously determined in correspondence to a value relevant to an amount of oxygen and the transient state. The map corresponding to an assembly of a lot of curves including curve h2 corresponds to a second injection amount upper limit value information previously determined in correspondence to the value relevant to the amount of the oxygen and the non-transient state. The control computer (C) specifies an injection amount upper limit value complying with the transient state and the non-transient state, by using these maps.

IPC 8 full level

F02D 41/38 (2006.01); **F02D 41/04** (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP)

F02D 41/10 (2013.01); **F02D 41/182** (2013.01); **F02D 41/2422** (2013.01); F02D 41/403 (2013.01); F02D 2200/0406 (2013.01); F02D 2250/38 (2013.01)

Citation (search report)

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- [X] EP 1164274 A2 20011219 - NISSAN MOTOR [JP]
- [A] EP 1460251 A2 20040922 - TOYOTA MOTOR CO LTD [JP]
- See references of WO 2006112414A1

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1870587 A1 20071226; **EP 1870587 A4 20090930**; **EP 1870587 B1 20130109**; JP 2006299833 A 20061102; WO 2006112414 A1 20061026

DOCDB simple family (application)

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