

Title (en)

Method and apparatus for controlling the heating of the glow plugs of a Diesel engine

Title (de)

Verfahren und Vorrichtung zum Steuern der Aufheizung der Glühkerzen eines Dieselmotors

Title (fr)

Procédé et dispositif de commande du chauffage des bougies à incandescence d' un moteur Diesel

Publication

EP 1408233 A3 20060125 (DE)

Application

EP 03022201 A 20030930

Priority

DE 10247042 A 20021009

Abstract (en)

[origin: EP1408233A2] A process for controlling the heating of glow plugs in a diesel engine comprises emulating the thermal behavior of the plug on heating and cooling and using this information as control data for controlling the heating process. An Independent claim is also included for a device for the above process using a physical model and energy store.

IPC 8 full level

F02P 19/02 (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP US)

F02P 19/025 (2013.01 - EP US)

Citation (search report)

- [X] US 4458639 A 19840710 - ABE YOSHIKI [JP], et al
- [X] US 4137885 A 19790206 - VAN OSTROM DAVID L
- [X] US 4516543 A 19850514 - ABE YOSHIKI [JP], et al
- [A] EP 0395901 A1 19901107 - BOSCH GMBH ROBERT [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 148 (M - 308) 11 July 1984 (1984-07-11)
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 080 (M - 289) 12 April 1984 (1984-04-12)

Cited by

EP1528253A1; EP1936183A3; EP2012002A3; EP1719909A1; US7528346B2; WO2009097920A1; EP1818536A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1408233 A2 20040414; EP 1408233 A3 20060125; EP 1408233 B1 20101222; AT E492722 T1 20110115; DE 10247042 B3 20040506; DE 50313342 D1 20110203; JP 2004278513 A 20041007; JP 4503971 B2 20100714; US 2004118828 A1 20040624; US 2005039732 A1 20050224; US 6906288 B2 20050614; US 7002106 B2 20060221

DOCDB simple family (application)

EP 03022201 A 20030930; AT 03022201 T 20030930; DE 10247042 A 20021009; DE 50313342 T 20030930; JP 2003349202 A 20031008; US 68041403 A 20031008; US 96059704 A 20041008