

Title (en)

METHOD, DEVICE AND COMPUTER PROGRAMME FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG SOWIE COMPUTERPROGRAMM ZUR STEUERUNG EINES VERBRENNUNGSMOTORS

Title (fr)

PROCEDE, DISPOSITIF ET PROGRAMME INFORMATIQUE POUR LA COMMANDE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1436492 B1 20061227 (DE)

Application

EP 02754402 A 20020720

Priority

- DE 0202685 W 20020720
- DE 10149475 A 20011008

Abstract (en)

[origin: DE10149475A1] The method involves using a torque model of the internal combustion engine to compute at least one actual parameter and/or at least one control parameter derived from a demand value. A relationship representing the dependency of a combustion concentration point, corresponding to the crankshaft angle at which a defined fraction of combustion energy is converted, to the ignition angle, determines the actual and/or control parameters. Independent claims are also included for the following: (i) an apparatus for controlling an internal combustion engine, (ii) computer program for controlling an internal combustion engine; and (iii) computer program product for controlling an IC engine.

IPC 8 full level

F02D 37/02 (2006.01); **F02D 45/00** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP US)

F02D 37/02 (2013.01 - EP US); **F02D 41/1497** (2013.01 - EP US); **F02D 2200/1004** (2013.01 - EP US); **F02D 2250/18** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 10149475 A1 20030417; DE 50209100 D1 20070208; EP 1436492 A1 20040714; EP 1436492 B1 20061227; JP 2005505716 A 20050224; JP 2011047411 A 20110310; JP 4748935 B2 20110817; US 2004194758 A1 20041007; US 6990954 B2 20060131; WO 03033891 A1 20030424

DOCDB simple family (application)

DE 10149475 A 20011008; DE 0202685 W 20020720; DE 50209100 T 20020720; EP 02754402 A 20020720; JP 2003536598 A 20020720; JP 2010273683 A 20101208; US 49190804 A 20040408