

Title (en)

Method and control apparatus for operating an internal combustion engine

Title (de)

Verfahren und Steuer-und/oder Regeleinrichtung zum Betreiben einer Brennkraftmaschine

Title (fr)

Méthode et dispositif de commande et/ou de régulation du fonctionnement d'un moteur à combustion interne

Publication

EP 1180591 A3 20030205 (DE)

Application

EP 01119026 A 20010807

Priority

DE 10040764 A 20000819

Abstract (en)

[origin: EP1180591A2] The method is based on the measurement of the air mass flow in the suction pipe as a value for the combustion chamber charge. From this is calculated the quantity of fuel to be injected, ignition point and engine torque. As a further control parameter the suction pipe pressure is measured, from which a second value for the charge is determined. the difference in the values is subjected to an integrating and iterative process until the difference is zero.

IPC 1-7

F02D 41/18; F02D 41/04; F02D 41/32

IPC 8 full level

F02D 41/18 (2006.01)

CPC (source: EP)

F02D 41/187 (2013.01); **F02D 2041/389** (2013.01); **F02D 2200/0402** (2013.01)

Citation (search report)

- [X] DE 4422184 A1 19960104 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] EP 0663516 A2 19950719 - HITACHI LTD [JP], et al
- [A] EP 0326065 A2 19890802 - HITACHI LTD [JP]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1180591 A2 20020220; **EP 1180591 A3 20030205**; **EP 1180591 B1 20070117**; DE 10040764 A1 20020228; DE 50111883 D1 20070308

DOCDB simple family (application)

EP 01119026 A 20010807; DE 10040764 A 20000819; DE 50111883 T 20010807