

Title (en)

METHOD FOR CONTROLLING THE RICHNESS OF AN INDIRECT INJECTION THERMAL ENGINE

Title (de)

VERFAHREN ZUR KONTROLLE DER GEMISCHANREICHERUNG BEI INDIREKT EINGESPRITZTEN VERBRENNUNGSMOTOREN

Title (fr)

PROCEDE DE REGULATION DE LA RICHESSE D'UN MOTEUR THERMIQUE A INJECTION INDIRECTE

Publication

EP 0964988 B1 20020529 (FR)

Application

EP 98912542 A 19980225

Priority

- FR 9800364 W 19980225
- FR 9702232 A 19970225

Abstract (en)

[origin: FR2760045A1] The invention concerns a method for controlling the richness of a thermal engine, with electronically controlled ignition and injection, by correcting the so-called wetting phenomenon of the walls which occur in indirect injection of fuel in the cylinders. The method consists in adding to the nominal amount of petrol (Qnom) to be injected, corresponding to the richness reference input (Rc) follow-up in the theoretical absence of the wetting phenomenon, a correction delivering the amount of petrol (Qinj) effectively injected into the cylinders. The physical wetting phenomenon of the walls being added to this latter amount of petrol (Qinj) defines exactly the amount of petrol (Qcyl) actually introduced in the cylinders and which effectively ensures the richness reference input follow-up

IPC 1-7

F02D 41/04

IPC 8 full level

F02D 41/04 (2006.01)

CPC (source: EP)

F02D 41/047 (2013.01)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

FR 2760045 A1 19980828; FR 2760045 B1 19990416; DE 69805609 D1 20020704; DE 69805609 T2 20021128; EP 0964988 A1 19991222; EP 0964988 B1 20020529; WO 9838424 A1 19980903

DOCDB simple family (application)

FR 9702232 A 19970225; DE 69805609 T 19980225; EP 98912542 A 19980225; FR 9800364 W 19980225