Title (en)

FUEL DOSAGE CONTROL PROCESS FOR INTERNAL COMBUSTION ENGINES

Title (de)

VERFAHREN ZUR BEEINFLUSSUNG DER KRAFTSTOFFZUMESSUNG BEI EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE COMMANDE DU DOSAGE DE CARBURANT DANS DES MOTEURS A COMBUSTION INTERNE

Publication

EP 0797730 B1 19990203 (DE)

Application

EP 95936442 A 19951115

Priority

- DE 9501596 W 19951115
- DE 4444416 A 19941214

Abstract (en)

[origin: DE4444416A1] In a fuel dosage control process for internal combustion engines, in particular in an unsteady mode of operation, a correction signal (fTW, kTW) is generated to control fuel dosage. For that purpose, at least one of the following signals is taken into account: a signal (QK) related to the heat flow caused by fuel evaporation in the suction pipe (102); a signal (QAn) related to the heat flow between the air that flows through the suction pipe (102) and the wall of the suction pipe (102); a signal (QMot) related to the heat flow between the engine block and the wall of the suction pipe (102); a signal (QU) related to the heat flow between the air flowing through the engine chamber and the wall of the suction pipe (102). A signal (TW) that represents the temperature of the wall of the suction pipe (102) may be determined when forming the correction signal (fTW, kTW).

IPC 1-7

F02D 41/04; F02D 41/10

IPC 8 full level

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CPC (source: EP KR US)

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DOCDB simple family (publication)

DE 4444416 A1 19960620; DE 59505057 D1 19990318; EP 0797730 A1 19971001; EP 0797730 B1 19990203; JP 3803375 B2 20060802; JP H10510345 A 19981006; KR 100378457 B1 20030718; KR 980700508 A 19980330; US 6035831 A 20000314; WO 9618811 A1 19960620

DOCDB simple family (application)

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