

Title (en)

METHOD AND DEVICE FOR REGULATING INTERNAL COMBUSTION ENGINES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG VON BRENNKRAFTMASCHINEN

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE DE MOTEURS A COMBUSTION INTERNE

Publication

EP 0991859 B1 20020807 (DE)

Application

EP 98929299 A 19980512

Priority

- DE 19727597 A 19970628
- EP 9802769 W 19980512

Abstract (en)

[origin: WO9900592A1] The invention relates to a method and device for regulating internal combustion engines to take into account the air humidity, especially in automobiles, by means of at least one temperature sensor (1) and a sensor (2) for directly or indirectly detecting the relative air humidity ϕ . According to the invention, a correction factor (a) is determined. The quantity of fuel supplied to the internal combustion engine is then adjusted according to said correction factor. The total pressure p of the humid air is optionally taken as constant or detected additionally.

IPC 1-7

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

IPC 8 full level

F02D 41/04 (2006.01); **F02D 41/18** (2006.01); **F02D 41/32** (2006.01)

CPC (source: EP)

F02D 41/04 (2013.01); **F02D 41/18** (2013.01); **F02D 2200/0418** (2013.01)

Cited by

US8286616B2; US9239025B2

Designated contracting state (EPC)

AT DE ES FR GB IT PT SE

DOCDB simple family (publication)

WO 9900592 A1 19990107; AT E221958 T1 20020815; DE 19727597 C1 19980806; DE 59805120 D1 20020912; EP 0991859 A1 20000412; EP 0991859 B1 20020807

DOCDB simple family (application)

EP 9802769 W 19980512; AT 98929299 T 19980512; DE 19727597 A 19970628; DE 59805120 T 19980512; EP 98929299 A 19980512