

Title (en)

System for determining the intake gas amount in an engine of a vehicle

Title (de)

Verfahren zur Bestimmung der zugeführten Gasmenge in einer Brennkraftmaschine eines Kraftfahrzeugs

Title (fr)

Système de détermination de la masse de gaz admise dans un moteur à combustion interne de véhicule automobile

Publication

**EP 1327760 B1 20060712 (FR)**

Application

**EP 03290006 A 20030102**

Priority

FR 0200218 A 20020109

Abstract (en)

[origin: EP1327760A1] The air mass is determined from measurement (8a) of the engine (1) operating regime, measurement (9) of the pressure and temperature of gas admitted to the engine through an inlet filter (7), and measurement (10) of the mass of gas admitted. A computer (8) switches between learning and control phases to regulate volumetric efficiency based on the incoming measurements.

IPC 8 full level

**F02D 41/18** (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)

**F02D 41/18** (2013.01); **F02D 41/2474** (2013.01); **F02D 2200/0402** (2013.01); **F02D 2200/0411** (2013.01)

Cited by

DE102007060036A1; DE102007060036B4; EP1793109A1; EP1995437A1; FR2916481A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1327760 A1 20030716**; **EP 1327760 B1 20060712**; AT E333042 T1 20060815; DE 60306692 D1 20060824; DE 60306692 T2 20070712; ES 2262952 T3 20061201; FR 2834532 A1 20030711; FR 2834532 B1 20040402

DOCDB simple family (application)

**EP 03290006 A 20030102**; AT 03290006 T 20030102; DE 60306692 T 20030102; ES 03290006 T 20030102; FR 0200218 A 20020109