

Title (en)  
SYSTEM AND METHOD FOR MONITORING THE OPERATION OF AN INTERNAL COMBUSTION ENGINE WITH COMPENSATION FOR ERRORS IN THE INTAKE AIRFLOW MEASUREMENT

Title (de)  
SYSTEM UND VERFAHREN ZUR ÜBERWACHUNG DES BETRIEBS EINES VERBRENNUNGSMOTORS MIT FEHLERKOMPENSATION BEI DER ANSAUGLUFTSTROMMESSUNG

Title (fr)  
SYSTEME ET PROCEDE DE CONTROLE DU FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE AVEC COMPENSATION DES ERREURS DE LA MESURE DE DEBIT D'AIR ADMIS

Publication  
**EP 2078150 A1 20090715 (FR)**

Application  
**EP 07848375 A 20070927**

Priority  
• FR 2007052037 W 20070927  
• FR 0654206 A 20061011

Abstract (en)  
[origin: WO2008043933A1] System for monitoring the operation of a motor vehicle internal combustion engine, comprising a member for measuring the flow of air admitted, characterized in that it comprises a means (21) for determining the standard deviation of the spread on the measured airflow as a function of the measured value, a means (24) for comparing the standard deviation thus determined against a calibration value in order to determine an estimated optimum flow rate for gases entering the engine, and a correcting means (25) for deducing a correction function to be applied to the measured airflow on the basis of the estimated optimum flow of gases entering the engine when learning conditions are satisfied.

IPC 8 full level  
**F02D 41/18** (2006.01); **F02D 21/08** (2006.01); **F02D 23/02** (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)  
**F02D 41/18** (2013.01); **F02D 41/2474** (2013.01); **F02D 41/2477** (2013.01); **F02D 41/0007** (2013.01); **F02D 41/005** (2013.01); **F02D 41/2441** (2013.01); **F02D 41/2448** (2013.01); **F02D 2200/0414** (2013.01); **F02D 2200/703** (2013.01)

Citation (search report)  
See references of WO 2008043933A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008043933 A1 20080417**; AT E474134 T1 20100715; DE 602007007799 D1 20100826; EP 2078150 A1 20090715; EP 2078150 B1 20100714; FR 2907169 A1 20080418; FR 2907169 B1 20090123

DOCDB simple family (application)  
**FR 2007052037 W 20070927**; AT 07848375 T 20070927; DE 602007007799 T 20070927; EP 07848375 A 20070927; FR 0654206 A 20061011