

Title (en)  
SYSTEM AND METHOD FOR DIAGNOSING THE OPERATIONAL CONDITION OF AN EXHAUST GAS INLET DEVICE FOR AUTOMOBILE INTERNAL COMBUSTION ENGINE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR DIAGNOSE DER ZUSTAND EINES EGR SYSTEM EINER BRENNKRAFTMASCHINE EINES FAHRZEUGES

Title (fr)  
SYSTEME ET PROCEDE DE DIAGNOSTIC DE L'ETAT DE FONCTIONNEMENT D'UN DISPOSITIF D'ADMISSION EN GAZ D'ECHAPPEMENT POUR MOTEUR A COMBUSTION INTERNE DE VEHICULE AUTOMOBILE

Publication  
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Application  
**EP 09738315 A 20090401**

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Abstract (en)  
[origin: WO2009133281A1] The invention relates to an operational-condition diagnosing system for the gas inlet device of an automobile internal combustion engine that comprises a fresh air inlet duct (28) and an exhaust gas recirculation duct (32) provided with at least one recirculation valve (34, 36), said recirculation duct being connected to an inlet duct and to an exhaust duct provided with a particle filter (54). The system includes means (62, 66) for determining the mass of the particles present in the exhaust line downstream from the particle filter and upstream from the recirculation duct (32), and a control unit (60) adapted for driving the recirculation valve on the basis of the determined particle mass and of the opening percentage of said valve.

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