

Title (en)
SYSTEM FOR CONTROLLING SWITCHOVER OF A MOTOR VEHICLE OPERATING CONDITIONS BETWEEN LEAN AND RICH MODES

Title (de)
SYSTEM ZUR STEUERUNG DES BETRIEBSZUSTANDWECHSELS EINES KRAFTFAHRZEUGES ZWISCHEN MAGER- UND FETTMODUS

Title (fr)
SYSTEME DE CONTROLE DU BASCULEMENT DU FONCTIONNEMENT D'UN MOTEUR DE VEHICULE AUTOMOBILE ENTRE DES MODES PAUVRE ET RICHE

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Application
EP 06726225 A 20060308

Priority

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- FR 0502437 A 20050311

Abstract (en)
[origin: WO2006095113A1] The invention concerns a system wherein the engine (1) is associated with means controlling (6, 7) the air loop thereof, with means controlling (6, 8) the fuel pressure in a common ramp (4) supplying fuel into the cylinders thereof, with means controlling (6, 9) fuel injections (5) into said cylinders and with means switching (6) parameters controlling said means between parameters controlling the operating conditions of the engine (1) in lean mixture and in rich mixture. The invention is characterized in that the switchover means (6) comprise gradual switchover means of control parameters of the air loop controlling means (7) and of the fuel pressure in the common feeding ramp (4) and instantaneous switchover means of parameters of the injection controlling means (5), but delayed towards the end of the gradual switching of the parameters of the other control means, between the lean mode and rich mode values.

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Citation (search report)
See references of WO 2006095113A1

Citation (examination)

- DE 10317903 A1 20031113 - DENSO CORP [JP]
- FR 2790515 A1 20000908 - BOSCH GMBH ROBERT [DE]

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