

Title (en)

SYSTEM FOR CONTROLLING THE OPERATION OF A DIESEL ENGINE OF A MOTOR VEHICLE

Title (de)

SYSTEM ZUR DIESELMOTORLAUFSTEUERUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTEME DE CONTROLE DU FONCTIONNEMENT D'UN MOTEUR DIESEL DE VEHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2006027511A1] The invention relates to a system for controlling the operation of a diesel engine (10) of a motor vehicle, associated with means (13,14) for supplying the cylinders thereof with fuel and with means (20) for recirculating waste gases at the admission thereof. The control system comprises means (16,32) for controlling the supply means (13,14) according to the rotation speed of the engine and an effective torque control point and means (30) for controlling the recirculating means (20) according to the at least one effective torque control point. The system comprises means (40) for determining a torque control point which is reconstructed from information provided by means (36, 38) for acquisition of the richness of the waste gas of the engine and air supply at the admission thereof and means (42) for adjusting the means (32) for controlling the recirculating means (20) according to the effective torque control point and the reconstructed torque control point in order to minimize the emission of pollutants by the engine.

IPC 8 full level

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