

Title (en)

EGR CONTROL DEVICE FOR INTERNAL-COMBUSTION ENGINES

Publication

EP 0106760 B1 19870715 (FR)

Application

EP 83401978 A 19831011

Priority

FR 8216958 A 19821011

Abstract (en)

[origin: ES8405888A1] A device is disclosed for controlling the recirculation of exhaust gas for an internal combustion engine 1 in which an air-fuel mixture intake pipe 2 and an exhaust pipe 3 are connected with each other by a recirculation circuit having a main valve 4 and connecting pipes 5 and 6. This valve 4 is controlled by the partial vacuum prevailing at the venturi V of the intake pipe 2 by a solenoid valve 14. According to the invention, this control device includes a control system 13 having an additive type pneumatic amplifier 17 that generates a partial vacuum signal for the control of this main valve 4 whose strength is greater than the value of partial vacuum at the nozzle 16 of the venturi throat V, with a constant value in a range of extended operation. Application is particularly to internal combustion engines equipped with a system for recirculation of exhaust gas.

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