

Title (en)

Exhaust gas re-circulation device for an internal combustion engine

Title (de)

Abgasrückführungsvorrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif de recirculation des gaz d'échappement d'un moteur à combustion interne

Publication

EP 1103715 A1 20010530 (EN)

Application

EP 00126023 A 20001128

Priority

LU 90480 A 19991129

Abstract (en)

An exhaust gas re-circulation device for an internal combustion engine comprises an intake air channel (10), an intake air control valve (24), an exhaust gas re-circulation valve (20) and an actuator (28). A first motion transmission mechanism is connected between the actuator (28) and the exhaust gas re-circulation valve (20). A second motion transmission mechanism connected between the actuator (28) and the intake air control valve (24). A sense of motion reversing mechanism is included in the first motion transmission mechanism, for reversing the sense of motion of the exhaust gas re-circulation valve (20). The actuator (28) enables, on the one hand, to control exhaust gas re-circulation rates, by simultaneously driving the two valves (20, 24) in opposite senses, and, on the other hand, to obtain a smooth engine shutoff, by simultaneously closing the two valves (20, 24). <IMAGE>

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01); **F02D 9/02** (2006.01)

CPC (source: EP)

F02M 26/21 (2016.02); **F02M 26/54** (2016.02); **F02M 26/64** (2016.02); **F02M 26/67** (2016.02); **F02D 2009/0276** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1103715 A1 20010530; EP 1103715 B1 20040303; DE 60008673 D1 20040408; DE 60008673 T2 20050210; LU 90480 B1 20010530

DOCDB simple family (application)

EP 00126023 A 20001128; DE 60008673 T 20001128; LU 90480 A 19991129