

Title (en)

VALVE FOR AN INTERNAL COMBUSTION ENGINE EXHAUST GAS RECIRCULATION SYSTEM

Title (de)

VENTIL FÜR VERBRENNUNGSMOTOR-ABGASRÜCKFÜHRUNGSSYSTEM

Title (fr)

VANNE POUR SYSTEME DE RECIRCULATION DES GAZ D'ECHAPPEMENT DE MOTEUR A COMBUSTION INTERNE

Publication

EP 0918925 B1 20020403 (FR)

Application

EP 97924094 A 19970514

Priority

- FR 9700856 W 19970514
- FR 9605974 A 19960514

Abstract (en)

[origin: WO9743538A1] A valve for controlling the amount of exhaust gas recycled in an internal combustion engine exhaust gas recirculation system is disclosed. The valve comprises a sealing member (2; 14; 32) arranged in a duct (3; 10, 11; 35, 38) for substantially sealingly engaging, in the closed position, an abutment member (5; 13; 33), and rotary actuating means for moving said sealing member from the closed position to an open position. Said rotary actuating means comprise a stator and a rotor of which one is provided with at least one magnet while the other is provided with at least one control winding, said stator and said rotor being mounted in such a way that when no current is flowing through the control winding, the sealing member is urged against the abutment member by residual magnetic forces.

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01)

CPC (source: EP)

F02M 26/54 (2016.02); **F02M 26/70** (2016.02)

Cited by

EP2597294A3; US9638140B2; US7086636B2; US7487789B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9743538 A1 19971120; AT E215671 T1 20020415; AU 2967197 A 19971205; DE 69711639 D1 20020508; DE 69711639 T2 20021031; EP 0918925 A1 19990602; EP 0918925 B1 20020403; FR 2748780 A1 19971121; FR 2748780 B1 19980814

DOCDB simple family (application)

FR 9700856 W 19970514; AT 97924094 T 19970514; AU 2967197 A 19970514; DE 69711639 T 19970514; EP 97924094 A 19970514; FR 9605974 A 19960514