

Title (en)

Exhaust gas recirculation valve for a combustion engine

Title (de)

Abgasrückführventil für eine Brennkraftmaschine

Title (fr)

Soupape de recirculation de gaz d'échappement pour un moteur à combustion

Publication

EP 0856657 A3 19981202 (DE)

Application

EP 97119328 A 19971105

Priority

DE 19704091 A 19970204

Abstract (en)

[origin: EP0856657A2] The EGR valve has a rotary drive (25) for the setting unit (23). A powered conversion unit (27), after the drive (25), converts the rotary movement of the drive (25) into the translatory movements for the operating member (20) with the valve component (18). The valve component (18) has a side (19) at the valve seat (17) towards the operating member (20), to be moved towards the exhaust entry side (15) into the open setting.

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01); **F02M 26/21** (2016.01); **F02M 26/67** (2016.01); **F16K 31/524** (2006.01)

CPC (source: EP)

F02M 26/21 (2016.02); **F02M 26/67** (2016.02); **F02M 26/54** (2016.02)

Citation (search report)

- [X] EP 0533546 A1 19930324 - LABINAL [FR]
- [X] US 4561408 A 19851231 - JENKINS PATRICK A [US]
- [XP] DE 19603592 C1 19970515 - DAIMLER BENZ AG [DE]
- [X] FR 2506389 A1 19821126 - MIKUNI KOGYO KK [JP]

Cited by

DE102017130323B3; US6390079B1; DE10108043B4; EP1526272A1; EP1462643A1; DE102015111461B4; EP2172682A1; CN101725439A; EP1111227A3; DE102013114058A1; DE102015111460B4; EP1632674A2; US7533659B2; DE102015111461A1; WO0216749A3; DE102015111460A1; US11174823B2; US8171919B2; WO2019121286A1

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)

EP 0856657 A2 19980805; **EP 0856657 A3 19981202**; **EP 0856657 B1 20030122**; BR 9800539 A 19990608; DE 19704091 A1 19980806; DE 59709190 D1 20030227

DOCDB simple family (application)

EP 97119328 A 19971105; BR 9800539 A 19980203; DE 19704091 A 19970204; DE 59709190 T 19971105