

Title (en)

Exhaust gas recirculation valve and method of opening such a valve

Title (de)

Abgasrückführventil und Verfahren zum Öffnen eines Abgasrückführventils

Title (fr)

Valve de recirculation de gaz d'échappement et procédé pour ouvrir une telle valve

Publication

**EP 1199463 A3 20021016 (DE)**

Application

**EP 00122228 A 20001017**

Priority

EP 00122228 A 20001017

Abstract (en)

[origin: EP1375892A1] The EGR (Exhaust Gas Recirculation) valve (10) has a gas passage with a fastening flange (12) accommodating a poppet valve (70) which may be lifted up off its seat by a cam arrangement (20,22). An electric motor (16) has a small pinion driving a large gearwheel (18) driving the cam via a freewheel arrangement. The mechanism includes a flywheel (40) with a projection (42). A first spring (46) is connected to an intermediate disk (30). A second spring (26) provides force to close the valve.

IPC 1-7

**F02M 25/07**

IPC 8 full level

**F02M 26/54** (2016.01); **F02M 26/67** (2016.01)

CPC (source: EP)

**F02M 26/54** (2016.02); **F02M 26/67** (2016.02); **F02M 26/48** (2016.02)

Citation (search report)

- [X] EP 0930428 A2 19990721 - PIERBURG AG [DE]
- [X] US 5626165 A 19970506 - SHINOBU HIDEYUKI [JP]
- [A] US 4646705 A 19870303 - BABITZKA RUDOLF [DE], et al
- [A] FR 2724976 A1 19960329 - SAGEM ALLUMAGE [FR]
- [A] EP 1028249 A2 20000816 - EATON CORP [US]

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EP1462643A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1375892 A1 20040102**; AT E260410 T1 20040315; DE 50005435 D1 20040401; DK 1199463 T3 20040628; EP 1199463 A2 20020424; EP 1199463 A3 20021016; EP 1199463 B1 20040225; ES 2215538 T3 20041016; PT 1199463 E 20040630

DOCDB simple family (application)

**EP 03021198 A 20001017**; AT 00122228 T 20001017; DE 50005435 T 20001017; DK 00122228 T 20001017; EP 00122228 A 20001017; ES 00122228 T 20001017; PT 00122228 T 20001017