

Title (en)
Exhaust gas recirculation valve

Title (de)
Abgasrückführventil

Title (fr)
Valve de recirculation de gaz d'échappement

Publication
EP 0908615 A3 20000112 (DE)

Application
EP 98119036 A 19981008

Priority
DE 19744596 A 19971009

Abstract (en)
[origin: EP0908615A2] An exhaust gas recycling valve has a solenoid control to vary the proportion of gas recycled and is bolted directly to the cylinder head via a fitting flange (3). The flange has inlet and outlet ducts to connect to the engine coolant cycle and a gas inlet duct (6). A second flange on the other side of the valve connects to the exhaust manifold, while a second outlet connects the recycled flow to the inlet manifold. The coolant flow is ducted around the second outlet duct to cool the recycled gasses and to prevent the valve from overheating.

IPC 1-7
F02M 25/07

IPC 8 full level
F02M 25/07 (2006.01); **F02M 26/30** (2016.01); **F02M 26/53** (2016.01); **F02M 26/73** (2016.01)

CPC (source: EP)
F02M 26/30 (2016.02); **F02M 26/53** (2016.02); **F02M 26/73** (2016.02)

Citation (search report)
• [XA] DE 2802095 A1 19780727 - ISUZU MOTORS LTD
• [A] US 4134377 A 19790116 - BAMSEY ROBERT G, et al
• [A] US 3937196 A 19760210 - COOK ROBERT R, et al

Cited by
EP2077387A1; DE102013215420A1; WO2020177865A1; EP1355057A3; DE102015210211A1; EP2987994A1; FR3063772A1; JP2012524212A; EP1267059A3; EP2422069A4; US6631707B1; WO0068560A3; WO0120156A1; US6708675B2; WO2007098854A1; EP0916837B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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