

Title (en)  
Exhaust gas recirculation valve

Title (de)  
Abgasrückführventil

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

Publication  
**EP 0930428 A3 19991222 (DE)**

Application  
**EP 98120712 A 19981031**

Priority  
• DE 19801384 A 19980116  
• DE 19848699 A 19981013

Abstract (en)  
[origin: EP0930428A2] The exhaust gas return valve for an internal combustion motor has a component (6) which stores kinetic energy. It acts on the head (13) on the free end of the valve stem (9). The component (6) is the armature of an electromagnet which, in the rest position, is held clear of the valve stem head (13) by a spring.

IPC 1-7  
**F02M 25/07**

IPC 8 full level  
**F02M 25/07** (2006.01)

CPC (source: EP US)  
**F02M 26/50** (2016.02 - EP US); **F02M 26/53** (2016.02 - EP US); **F02M 26/67** (2016.02 - EP US); **F02M 26/48** (2016.02 - EP US);  
**F02M 26/69** (2016.02 - EP US)

Citation (search report)  
• [XA] WO 9519497 A1 19950720 - ROBERTSHAW CONTROLS CO [US]  
• [A] US 4662604 A 19870505 - COOK JOHN E [CA]  
• [AD] DE 4338192 A1 19950511 - PIERBURG GMBH [DE]  
• [A] US 5435519 A 19950725 - EVERINGHAM GARY M [CA]

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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 0930428 A2 19990721; EP 0930428 A3 19991222; EP 0930428 B1 20030917**; AT E250182 T1 20031015; ES 2202716 T3 20040401;  
US 6213446 B1 20010410

DOCDB simple family (application)  
**EP 98120712 A 19981031**; AT 98120712 T 19981031; ES 98120712 T 19981031; US 23359499 A 19990119