

Title (en)
Exhaust gas recirculation control valve

Title (de)
Abgasrückführsteuerventil

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

Publication
EP 0740064 B1 19980325 (DE)

Application
EP 95120483 A 19951222

Priority
DE 29506928 U 19950425

Abstract (en)
[origin: EP0740064A1] The valve is operated by an electromagnet (5) which opens it against the opposition of a closure spring (6) to connect the exhaust pipe to the air intake system. The valve rod (7) protrudes through the air duct (3) from a section (9) within a guide (8) whose cross-sectional area (10) corresponds to that of the seating (11). The other end of the guide opens into a chamber (13) vented to atmosphere. Forces on the valve during a surge in the intake system are compensated by the counter-pressure on the protruding section of the rod.

IPC 1-7
F02M 25/07

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

CPC (source: EP KR US)
F02M 25/06 (2013.01 - KR); **F02M 26/53** (2016.02 - EP US); **F02M 26/02** (2016.02 - EP US); **F02M 26/67** (2016.02 - EP US)

Cited by
US5950605A; US5924675A; EP1288482A3; US5947092A; EP1072784A3; US5901690A; EP2107231A1; DE10213693B4; WO9911918A1; WO0100982A1; WO9902847A1; WO9911919A1; EP0923667B1

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
DE 29506928 U1 19950622; DE 59501712 D1 19980430; EP 0740064 A1 19961030; EP 0740064 B1 19980325; ES 2114269 T3 19980516; KR 100423128 B1 20040705; KR 960038093 A 19961121; US 5701874 A 19971230

DOCDB simple family (application)
DE 29506928 U 19950425; DE 59501712 T 19951222; EP 95120483 A 19951222; ES 95120483 T 19951222; KR 19960008330 A 19960326; US 63389096 A 19960417