

Title (en)
Exhaust gas recirculation system

Title (de)
Abgasrückführsystem

Title (fr)
Système de recyclage des gaz d'échappement

Publication
EP 1707790 A1 20061004 (DE)

Application
EP 05006990 A 20050331

Priority
EP 05006990 A 20050331

Abstract (en)
The system has an exhaust gas recirculation valve with a single valve unit (10) that closes an exhaust gas recirculation line. A by-pass valve (12) is separated from the recirculation valve and closes a cool line and/or a by-pass line. The recirculation valve and the by-pass valve are arranged in a common valve housing (18). A lid axle of the by-pass valve is supported in a pivot axle of the recirculation valve. The lid axle and the pivot axle have a common axle center point.

IPC 8 full level
F02M 25/07 (2006.01)

CPC (source: EP)
F02M 26/26 (2016.02); **F02M 26/39** (2016.02); **F02M 26/70** (2016.02); **F02M 26/71** (2016.02); **F02M 26/30** (2016.02); **F02M 26/33** (2016.02)

Citation (applicant)
• DE 69912335 T2 20040715 - ECIA EQUIP COMPOSANTS IND AUTO [FR]
• EP 1273786 A2 20030108 - PIERBURG GMBH [DE]

Citation (search report)
• [XAY] DE 102004010117 A1 20041118 - DENSO CORP [JP]
• [YA] US 2003150434 A1 20030814 - LEEDHAM STEWART WILLIAM [GB], et al
• [E] EP 1589214 A2 20051026 - PIERBURG GMBH [DE]
• [EL] DE 10346250 A1 20050512 - BAYERISCHE MOTOREN WERKE AG [DE]
• [A] EP 1363013 A1 20031119 - BEHR GMBH & CO KG [DE]
• [A] EP 1275838 A1 20030115 - COOPER STANDARD AUTOMOTIVE D [DE]
• [DA] EP 1273786 A2 20030108 - PIERBURG GMBH [DE]
• [DA] EP 0942156 A1 19990915 - ECIA EQUIP COMPOSANTS IND AUTO [FR]
• [DAL] EP 1544449 A1 20050622 - COOPER STANDARD AUTOMOTIVE D [DE]

Cited by
US2017058761A1; FR2919674A1; EP2025910A1; FR3058465A1; JP2011513620A; CN102575574A; US2017204782A1; US10006352B2; US10487724B2; US8353274B2; WO2009106161A1; WO2018087004A1; WO2011039102A1; EP2187032A2; DE102008057128A1; KR101501772B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1707790 A1 20061004; **EP 1707790 B1 20110105**; AT E494472 T1 20110115; DE 502005010797 D1 20110217; ES 2358675 T3 20110512

DOCDB simple family (application)
EP 05006990 A 20050331; AT 05006990 T 20050331; DE 502005010797 T 20050331; ES 05006990 T 20050331