

Title (en)

Exhaust gas recirculation device for an internal combustion engine

Title (de)

Abgasrückführvorrichtung für eine Verbrennungskraftmaschine

Title (fr)

Dispositif de recirculation des gaz d'échappement pour un moteur à combustion interne

Publication

EP 2017457 A3 20110629 (DE)

Application

EP 08104103 A 20080527

Priority

DE 102007033675 A 20070717

Abstract (en)

[origin: EP2017457A2] The device (9) has exhaust outlet channels (16) arranged corresponding to a number of cylinders of an internal combustion engine. A movable divider element (14) is arranged between an exhaust inlet channel (13) and the exhaust outlet channels. The divider element is driven corresponding to a number of revolutions of a cam shaft of an internal combustion engine. A fluid connection of the exhaust inlet channel with each of the outlet channels is produced by the divider element. The divider element is connected with the cam shaft by a coupling (15).

IPC 8 full level

F02M 25/07 (2006.01)

CPC (source: EP US)

F02M 26/40 (2016.02 - EP US); **F02M 26/44** (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02M 26/71** (2016.02 - EP US); **F02M 26/05** (2016.02 - EP US); **F02M 26/52** (2016.02 - EP US); **F02M 2026/005** (2016.02 - EP US)

Citation (search report)

- [XAY] EP 1705351 A2 20060927 - MAZDA MOTOR [JP]
- [YA] EP 1316716 A2 20030604 - MANN & HUMMEL FILTER [DE]
- [A] FR 2768178 A1 19990312 - DRECQ DANIEL [FR]
- [A] US 6378509 B1 20020430 - FEUCHT DENNIS D [US], et al

Cited by

WO2012143147A1; EP2990634A1; DE102014112187A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2017457 A2 20090121; **EP 2017457 A3 20110629**; DE 102007033675 A1 20090122; US 2009020105 A1 20090122; US 7784450 B2 20100831

DOCDB simple family (application)

EP 08104103 A 20080527; DE 102007033675 A 20070717; US 17530508 A 20080717