

Title (en)

Air intake manifold incorporating a part of an EGR circuit and IC engine comprising such air intake manifold

Title (de)

Luftansaugkrümmer mit AGR-Kreislauf und Brennkraftmaschine mit einem solchen Luftansaugkrümmer

Title (fr)

Répartiteur d'admission intégrant une partie d'un circuit de recirculation des gaz d'échappement et moteur à combustion interne comprenant un tel répartiteur d'admission

Publication

EP 1764500 A1 20070321 (FR)

Application

EP 06300946 A 20060913

Priority

FR 0509473 A 20050916

Abstract (en)

The inlet manifold, especially for a diesel engine, incorporates a chamber (8) for connecting the components of an Exhaust Gas Recirculation (EGR) circuit (9). The chamber has an inlet tube connected directly to an EGR channel in the engine's cylinder head, an outlet connected to the inlet of a heat exchanger (92), and an aperture between the two for a regulating valve (91). The outlet is in the form of a tube (82) with an end fixing (82A) for connecting to the heat exchanger.

IPC 8 full level

F02M 35/10 (2006.01)

CPC (source: EP)

F02M 26/21 (2016.02); **F02M 26/30** (2016.02); **F02M 35/10144** (2013.01); **F02M 35/10222** (2013.01); **F02M 35/10288** (2013.01); **F02M 35/112** (2013.01)

Citation (search report)

- [X] EP 1375896 A2 20040102 - PIERBURG GMBH [DE]
- [X] EP 1533512 A2 20050525 - MAHLE FILTERSYSTEME GMBH [DE]
- [X] DE 10341393 B3 20040923 - PIERBURG GMBH [DE]
- [X] DE 10344217 A1 20050414 - MAHLE FILTERSYSTEME GMBH [DE]
- [X] EP 1529952 A2 20050511 - HITACHI LTD [JP]

Cited by

GB2506874A

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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