

Title (en)  
Intake module

Title (de)  
Ansaugmodul

Title (fr)  
Module d'admission d'air

Publication  
**EP 2881576 A1 20150610 (FR)**

Application  
**EP 14195476 A 20141128**

Priority  
FR 1362279 A 20131209

Abstract (en)  
[origin: US2015159590A1] Disclosed is a recirculated exhaust gases distribution device (11) of an inlet manifold (3) for an air inlet module configured to supply at least one internal combustion engine cylinder with a flow of air containing inlet gases and/or recirculated exhaust gases (EGR gases), the distribution device (11) including a recirculated exhaust gases distribution duct (13), the distribution duct (13) including first means (15) for injection of recirculated exhaust gases into the flow of air for supplying at least one cylinder. The distribution device (11) further includes a control member (17) that is arranged in the distribution duct (13) and is configured to modulate the flow of recirculated exhaust gases injected by the first injection means (15).

Abstract (fr)  
L'invention concerne un dispositif de distribution (11) de gaz d'échappement recirculés d'un collecteur d'admission (3) pour un module d'admission d'air, configuré pour alimenter au moins un cylindre de moteur à combustion interne, par un flux d'air comprenant des gaz d'admission et/ou des gaz d'échappement recirculés (EGR), le dispositif de distribution (11) comportant un canal de distribution (13) de gaz d'échappement recirculés, le canal de distribution (13) comprenant un premier moyen d'injection (15) de gaz d'échappement recirculés dans le flux d'air pour alimenter au moins un cylindre. Selon l'invention, le dispositif de distribution (11) comporte en outre un organe de contrôle (17) agencé dans le canal de distribution (13) et configuré pour moduler le flux de gaz d'échappement recirculés injecté par le premier moyen d'injection (15).

IPC 8 full level  
**F02M 26/00** (2016.01); **F02M 26/09** (2016.01); **F02M 26/12** (2016.01); **F02M 26/19** (2016.01); **F02M 26/21** (2016.01); **F02M 26/27** (2016.01); **F02M 26/70** (2016.01); **F02M 35/10** (2006.01)

CPC (source: EP US)  
**F02M 26/09** (2016.02 - EP US); **F02M 26/12** (2016.02 - EP US); **F02M 26/19** (2016.02 - EP US); **F02M 26/21** (2016.02 - EP US); **F02M 26/27** (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02M 35/10222** (2013.01 - EP US); **F02M 35/10268** (2013.01 - EP US)

Citation (search report)  
• [X] WO 2009141212 A1 20091126 - PIERBURG GMBH [DE], et al  
• [X] JP H10266903 A 19981006 - TOYODA AUTOMATIC LOOM WORKS  
• [X] JP H09273452 A 19971021 - HINO MOTORS LTD  
• [A] FR 2965306 A1 20120330 - VALEO SYSTEMES THERMIQUES [FR]

Cited by  
CN108119268A; CN109798205A; EP3171013A1; CN106870213A; US10344716B2

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 2881576 A1 20150610**; **EP 2881576 B1 20200708**; FR 3014497 A1 20150612; FR 3014497 B1 20180316; JP 2015113843 A 20150622; JP 6097736 B2 20170315; US 2015159590 A1 20150611; US 9650999 B2 20170516

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