

Title (en)

Gas mixing device particularly for internal-combustion engines equipped with exhaust gas recirculation system

Title (de)

Gasmischvorrichtung, insbesondere für Verbrennungsmotoren, die mit einem Abgasrückführsystem ausgerüstet sind

Title (fr)

Dispositif de mélange de gaz en particulier pour les moteurs à combustion interne équipés d'un système de recirculation des gaz d'échappement

Publication

EP 2236804 A1 20101006 (EN)

Application

EP 09425125 A 20090331

Priority

EP 09425125 A 20090331

Abstract (en)

The present invention relates to a device for mixing exhaust gases with intake fresh air of an internal-combustion engine equipped with exhaust gas recirculation system (EGR). The device according to this invention allows the fragmentation of the flow of the recirculated exhaust gases, in order to optimize the mixing. The device here claimed solves the problem of the optimization of the two flows with a compact system and in a easy and efficient way; moreover, the device according to this invention is modular, and is easily adaptable to different types of internal-combustion engines.

IPC 8 full level

F02M 25/07 (2006.01)

CPC (source: EP)

F02M 26/19 (2016.02)

Citation (applicant)

DE 4319380 A1 19931216 - AVL VERBRENNUNGSKRAFT MESSTECH [AT]

Citation (search report)

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- [Y] JP H0561445 U 19930813
- [Y] DE 4420247 A1 19951214 - IAV MOTOR GMBH [DE], et al
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Cited by

CN108561247A; CN108317023A; US8925529B2; JP2013083209A

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2236804 A1 20101006; EP 2236804 B1 20121121; ES 2399579 T3 20130402

DOCDB simple family (application)

EP 09425125 A 20090331; ES 09425125 T 20090331