

Title (en)

Device for exhaust gas recirculation for an internal combustion engine

Title (de)

Vorrichtung zur Abgasrückführung für einen Verbrennungsmotor

Title (fr)

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

Publication

EP 2218897 A1 20100818 (DE)

Application

EP 09290103 A 20090212

Priority

EP 09290103 A 20090212

Abstract (en)

The device has an exhaust gas pipe (3) conducting exhaust gas. A channel (1) conducts air to a combustion engine, where the gas pipe extends into the channel. The gas pipe is in thermal exchange with a coolant from a coolant circuit in an area of insertion in the channel. The gas pipe is connectable to an assembly member (2), where the coolant passes through a coolant channel (6) that is provided at the assembly member. The gas pipe includes a flange (4) that is connectable to the assembly member, where a seal (5) is arranged between the flange and the assembly member. The assembly member is formed of metal.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zur Abgasrückführung für einen Verbrennungsmotor, umfassend eine Abgasleitung (3) zur Führung von Abgas, und einen Kanal (1) zur Zuführung von Luft zu dem Verbrennungsmotor, wobei die Abgasleitung (3) in den Kanal (1) mündet, wobei die Abgasleitung (3) in einem Bereich ihrer Einmündung in den Kanal (1) in thermischem Austausch mit einem strömenden Kühlmittel eines Kühlmittelkreises steht.

IPC 8 full level

F02M 25/07 (2006.01); **F02B 29/04** (2006.01)

CPC (source: EP US)

F02M 26/18 (2016.02 - EP US); **F02M 26/19** (2016.02 - EP US)

Citation (search report)

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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 2218897 A1 20100818; **EP 2218897 B1 20140709**; EP 2402585 A1 20120104; EP 2402585 B1 20151216; US 2010199650 A1 20100812; US 8534267 B2 20130917

DOCDB simple family (application)

EP 09290103 A 20090212; EP 11179888 A 20090212; US 70437410 A 20100211