

Title (en)

Exhaust gas recirculation device and vehicle

Title (de)

Holder for fastening a heat exchanger

Title (fr)

Dispositif de recirculation des gaz d'échappement et véhicule

Publication

**EP 2075450 A1 20090701 (EN)**

Application

**EP 08022430 A 20081223**

Priority

JP 2007334784 A 20071226

Abstract (en)

An exhaust gas recirculation device includes: a first exhaust extraction route (EGR1) for extracting exhaust gas from engine (101) before it enters turbocharger (103) and directing it to engine intake (111); a second exhaust extraction route (EGR 2) for extracting exhaust gas that has been cooled by passing through turbocharger (103), muffler (115) and the body frame (121) and directing it to the engine intake; and valves (V1) and (V2) for controlling, based on operation conditions of the engine, a flow of exhaust gas directed to the engine intake by means of first exhaust extraction route (EGR1) and second exhaust extraction route (EGR2). Exhaust gas can be efficiently cooled.

IPC 8 full level

**F02M 25/07** (2006.01)

CPC (source: EP)

**F02M 26/07** (2016.02); **F02M 26/29** (2016.02); **F02M 26/41** (2016.02); **F02M 26/05** (2016.02); **F02M 26/06** (2016.02)

Citation (applicant)

- JP 2002188526 A 20020705 - HINO MOTORS LTD
- JP 2006046199 A 20060216 - TOYOTA MOTOR CORP
- JP H11200955 A 19990727 - MITSUBISHI MOTORS CORP
- JP H07166973 A 19950627 - YAMAHA MOTOR CO LTD

Citation (search report)

- [DA] JP 2002188526 A 20020705 - HINO MOTORS LTD
- [DA] JP H07166973 A 19950627 - YAMAHA MOTOR CO LTD
- [A] JP 2007315174 A 20071206 - MOO TOWN KK
- [A] JP 2003161209 A 20030606 - HINO MOTORS LTD
- [A] JP 2000038964 A 20000208 - ISUZU MOTORS LTD

Cited by

US9309804B2; DE102009051027B4; DE102015206891A1; CN111075536A; WO2018163046A1

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 2075450 A1 20090701**; JP 2009156146 A 20090716; JP 5283898 B2 20130904

DOCDB simple family (application)

**EP 08022430 A 20081223**; JP 2007334784 A 20071226