

Title (en)

Exhaust gas recirculation device for engines

Title (de)

Abgasrückföhreinrichtung für Brennkraftmaschinen

Title (fr)

Dispositif de recirculation de gaz d'échappement pour moteurs à combustion interne

Publication

**EP 1331388 A2 20030730 (EN)**

Application

**EP 03001389 A 20030127**

Priority

JP 2002018790 A 20020128

Abstract (en)

An EGR device for engines, capable of recirculating a SOF-removed EGR gas irrespective of the set condition of a catalyst in an exhaust system and without needing to extend an EGR conduit (7) and provide a universal joint; reducing the manufacturing cost in consequence; and preventing the deposition of SOF in an intake air system. The EGR conduit (7) is connected at one end thereof to an exhaust pipe (2C) collected portion of an exhaust manifold (2), and at the other end thereof to an engine-side fixing flange, and a catalyst (6) used exclusively for EGR is provided in the EGR conduit (7). A part of an exhaust gas flowing in the exhaust manifold (2) is recirculated as an EGR gas into the intake air system for an engine via the EGR conduit (7), and, during this time, the SOF contained in the EGR gas is removed by the catalyst (6). <IMAGE>

IPC 1-7

**F02M 25/07**; **F01N 3/10**; **F01N 7/10**; **F01N 3/02**

IPC 8 full level

**F01N 3/28** (2006.01); **F01N 13/10** (2010.01); **F02M 25/07** (2006.01)

CPC (source: EP KR)

**F01N 3/28** (2013.01 - EP KR); **F02M 26/12** (2016.02 - KR); **F02M 26/14** (2016.02 - EP KR); **F02M 26/35** (2016.02 - EP KR); **F02M 26/41** (2016.02 - EP KR); **F02M 26/43** (2016.02 - EP KR); **F02M 26/12** (2016.02 - EP)

Cited by

FR2935434A1; EP1703116A3; FR2954957A1; EP1422412A3; FR2926845A1; FR2954954A1; FR2895015A1; FR2935435A1; FR2954956A1; FR2935436A1; CN102926854A; FR2954955A1; EP3845755A1; EP2481908A1; CN102619647A; US11306687B2

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