

Title (en)

Intake manifold for internal combustion engine having an exhaust gas recirculation device.

Title (de)

Einlasskrümmer für Brennkraftmaschine mit Abgasrückführeinrichtung.

Title (fr)

Collecteur d'admission pour moteur à combustion interne comportant un dispositif de recirculation des gaz d'échappement.

Publication

**EP 0486338 B1 19940406 (FR)**

Application

**EP 91402791 A 19911018**

Priority

FR 9014172 A 19901114

Abstract (en)

[origin: EP0486338A1] The device is characterised in that the socket part (3a) of the recirculation pipe (3) connected to the intake manifold (4) opening into the latter comprises a double wall (3b, 3c) defining an annular thermal insulation chamber (10) of the wall of the intake manifold (4) from the inside wall (3b) of the socket part (3a). The invention has applications in the sphere of motor vehicles. <IMAGE>

IPC 1-7

**F02M 25/07**; **F02M 35/10**

IPC 8 full level

**F02M 25/07** (2006.01)

CPC (source: EP)

**F02M 26/18** (2016.02)

Cited by

EP0753656A1; FR2719870A1; FR3104213A1; FR2844008A1; EP0636781A1; EP0647779A1; FR2710952A1; US11313329B2; US6513508B2; WO0123738A1; GB2291127A; FR2722532A1; GB2291127B; FR2693252A1; US5542711A; FR3001262A1; WO0106109A1; DE202009009441U1; DE102010025509A1; WO9401673A1; WO2014114865A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0486338 A1 19920520**; **EP 0486338 B1 19940406**; DE 69101622 D1 19940511; DE 69101622 T2 19940929; FR 2669078 A1 19920515; FR 2669078 B1 19941125

DOCDB simple family (application)

**EP 91402791 A 19911018**; DE 69101622 T 19911018; FR 9014172 A 19901114