

Title (en)

Intake manifold with connecting means to an exhaust recirculation circuit

Title (de)

Ansaugkrümmer mit Verbindungsmitteln zu einem Abgasrückführungskreislauf

Title (fr)

Collecteur d'admission comportant des moyens de raccordement à un circuit de recyclage des gaz d'échappement

Publication

**EP 1020632 B1 20040623 (FR)**

Application

**EP 00400089 A 20000114**

Priority

FR 9900371 A 19990115

Abstract (en)

[origin: EP1020632A1] The inlet manifold (10) consists of a moulded tubular fresh air intake duct (12) connected to a feed block (14) with outlets (16) aligned with cylinder head inlet ducts. It has an inlet (18) for recycled exhaust gases and a Venturi tube (26) fitted coaxially into the fresh air intake duct so that their forward ends (28, 30) coincide. The rear end or neck (32) of the Venturi tube is situated to the rear of the exhaust gas inlet so that it creates a suction zone (33) for the exhaust gases with the fresh air intake duct wall.

IPC 1-7

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

IPC 8 full level

**F02M 25/07** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)

**F02M 26/19** (2016.02); **F02M 35/10019** (2013.01); **F02M 35/10222** (2013.01); **F02M 35/1045** (2013.01)

Cited by

CN106015121A; EP2711533A1; CN104047780A; FR2861137A1; ITRM20130103A1; CN105074190A; US6640542B2; US6439212B1; US7389770B2; US10995705B2; US11174809B1; US7543600B2; WO0218773A1; WO02070888A1; WO2014128026A1; US10316803B2; US10634099B2; US6659092B2; US11215132B1; US7036529B2; US11293382B2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 1020632 A1 20000719**; **EP 1020632 B1 20040623**; DE 60011683 D1 20040729; DE 60011683 T2 20050630; ES 2223411 T3 20050301; FR 2788565 A1 20000721; FR 2788565 B1 20010209

DOCDB simple family (application)

**EP 00400089 A 20000114**; DE 60011683 T 20000114; ES 00400089 T 20000114; FR 9900371 A 19990115