

Title (en)
INTERNAL COMBUSTION ENGINE INTAKE MANIFOLD

Title (de)
ANSAUGKRÜMMER FÜR BRENNKRAFTMASCHINE

Title (fr)
COLLECTEUR D'ADMISSION POUR MOTEUR A COMBUSTION INTERNE

Publication
EP 0846223 B1 19990428 (FR)

Application
EP 96928500 A 19960809

Priority

- FR 9601271 W 19960809
- FR 9510083 A 19950825
- FR 9510249 A 19950831

Abstract (en)
[origin: WO9708450A1] An air intake device for a multicylinder internal combustion engine has an air filter with a casing (10, 11) defining a housing for a filter cartridge and an intake manifold (2) having a body (20) with a distribution chamber (22) provided with a plurality of branch connections (5, 7; 8, 9) co-operating in particular with a pressure sensor (3) to provide the air pressure value in the manifold (2) and tubings (23) for connecting said distribution chamber (22) and the corresponding intake ducts in the cylinder head of the engine, the device being characterised in that said branch connections are carried by a single insert (24) that is mounted on said body (20) at right angles with at least one corresponding opening (26, 27) to said distribution chamber (22).

IPC 1-7
F02M 35/10; **F02M 35/04**

IPC 8 full level
F02F 7/00 (2006.01); **F02M 35/04** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)
F02F 7/006 (2013.01); **F02M 35/04** (2013.01); **F02M 35/10052** (2013.01); **F02M 35/10222** (2013.01); **F02M 35/10295** (2013.01); **F02M 35/1038** (2013.01); **F02M 35/1045** (2013.01); **F02M 35/10321** (2013.01); **F02M 35/10347** (2013.01); **F05C 2225/08** (2013.01)

Citation (examination)

- EP 0523027 A2 19930113 - VOLVO AB [SE]
- Automobiltechnische Zeitschrift 97. Jahrgang, Ausgabe 11/1995, Stuttgart. (Seite 726)
- Motortechnische Zeitschrift 56. Jahrgang, Ausgabe 6/1995 Stuttgart.(Seite 326 und 329)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9708450 A1 19970306; DE 69602271 D1 19990602; DE 69602271 T2 19991111; DE 69602271 T3 20060302; EP 0846223 A1 19980610; EP 0846223 B1 19990428; EP 0846223 B2 20050615

DOCDB simple family (application)
FR 9601271 W 19960809; DE 69602271 T 19960809; EP 96928500 A 19960809