

Title (en)

Fuel distributor for an internal combustion engine.

Title (de)

Kraftstoffverteilergehäuse für eine Brennkraftmaschine.

Title (fr)

Collecteur de carburant pour un moteur à combustion interne.

Publication

EP 0423466 A1 19910424 (DE)

Application

EP 90116344 A 19900827

Priority

DE 3934906 A 19891020

Abstract (en)

[origin: JPH03151562A] PURPOSE: To compact a structure by providing two lines of passages which extend vertically between upper and lower surfaces that face the upper part of the air collector of a fuel distributor casing for a V-type internal combustion engine, and providing a feed path and a return path parallel to the passages. CONSTITUTION: An air collector of a six-cylinder-V-type internal combustion engine provided with four valves for each cylinder has an upper portion 2 and a lower portion 4 which works also as a fuel distributor casing 3 at the same time. An intake conduit 7 having first and second sections 5, 6 is provided for guiding airflow from the upper portion 2 into an inlet passage 8 disposed within a cylinder head. In this case, passages 11 extending in the direction perpendicular to a feed path 15 and a return path 16 are provided between the upper surface 9 and lower surface 10 of the distributor casing 3 and can be shut off by a restriction member. The passages 11 are grouped in two parallel lines and the feed path 15 and the return path 16 are provided in a parallel configuration between the lines.

Abstract (de)

Das Unterteil eines Luftsammlers einer Brennkraftmaschine ist gleichzeitig als Kraftstoffverteilergehäuse ausgebildet. Alle kraftstoffzu- und -abführenden Leitungen etc. sind gemeinsam mit Einspritzventilen und mit durch Drehklappen absperrbaren Abschnitten der Saugleitungen in das Kraftstoffverteilergehäuse integriert. Das Kraftstoffverteilergehäuse ist als Sand- oder Druckgußteil oder als Kunststoffteil herstellbar.

IPC 1-7

F02M 35/10; **F02M 55/02**

IPC 8 full level

F02D 9/02 (2006.01); **F02B 75/22** (2006.01); **F02M 35/10** (2006.01); **F02M 35/116** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP US)

F02B 75/22 (2013.01 - EP US); **F02D 9/1035** (2013.01 - EP US); **F02D 9/1065** (2013.01 - EP US); **F02D 9/1095** (2013.01 - EP US); **F02M 35/10085** (2013.01 - EP US); **F02M 35/10216** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/10354** (2013.01 - EP US); **F02M 35/1085** (2013.01 - EP US); **F02M 35/116** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/10347** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Citation (search report)

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DE FR GB IT

DOCDB simple family (publication)

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DOCDB simple family (application)

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