

Title (en)

Venting device for the pipe connected to the intake manifold of a combustion engine

Title (de)

Entlüftungsvorrichtung in einer zu einer Saugrohranordnung einer Brennkraftmaschine hinführenden Entlüftungsleitung

Title (fr)

Dispositif d'aération pour le conduit menant à la pipe d'admission d'un moteur à combustion

Publication

EP 0874141 B1 20020227 (DE)

Application

EP 98106568 A 19980409

Priority

DE 19717040 A 19970423

Abstract (en)

[origin: EP0874141A1] A throttle limits flow through the pipe, and is formed by a plastic component with inlet union for the pipe and an outlet. A metal bush fixed in a drilling through the component has a screw by which the component is secured to the cylinder-head. This throttle (12) forms part of the pipe (7), and is situated at the heat-conductive bush (11). The pipe can intersect the drilling (9) and bush, the throttle being incorporated in the latter. It can form an extension of the inlet union, leading into an annular chamber (13) between bush and screw (15). The radial outlet drilling (16) to the engine intake (6) and which passes through the bush is of larger diameter (16). Where the engine has four or more cylinders, the inlet union and throttle can be situated between the intake pipes to two adjacent central cylinders, while the throttle is at the highest geodetic point of the crankcase vent system.

IPC 1-7

F01M 13/02

IPC 8 full level

F01M 13/02 (2006.01); **F01M 13/00** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP US)

F01M 13/023 (2013.01 - EP US); **F01M 2013/0027** (2013.01 - EP US); **F01M 2013/0455** (2013.01 - EP US); **F01M 2013/0472** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Citation (examination)

MTZ Motortechnische Zeitschrift 53 (1992) 10

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0874141 A1 19981028; **EP 0874141 B1 20020227**; DE 19717040 C1 19981126; DE 59803163 D1 20020404; US 5944000 A 19990831

DOCDB simple family (application)

EP 98106568 A 19980409; DE 19717040 A 19970423; DE 59803163 T 19980409; US 6453398 A 19980422