

Title (en)

Thin-walled suction tube for an internal combustion engine

Title (de)

Dünnwandige Saugrohr für eine Brennkraftmaschine

Title (fr)

Tuyau d'admission à paroi mince pour moteur à combustion interne

Publication

EP 0816668 A2 19980107 (DE)

Application

EP 97106127 A 19970415

Priority

DE 19625768 A 19960627

Abstract (en)

The manifold has branch pipes leading to the cylinders and a housing for a throttle butterfly. The valve (3) can be umbrella-shaped and of elastomer material (4), having a stem (5) protruding into a central opening (6), and is held in place by a boss (7) on a screwed bush (8). The latter can have an annular collar (10) held clear by ribs (9), and onto which a covering cap (11) clips. The ribs can accommodate a tool by which the bush is screwed into place in the opening (2).

Abstract (de)

Diese weisen eine geringere Festigkeit auf und bersten häufig nach dem Anlassen der Brennkraftmaschine. Hiergegen weist das neue Saugrohr die Merkmale auf, daß in dem Saugrohr (1) stromab des Drosselklappenstutzens eine in die Atmosphäre führende Öffnung (2) angeordnet ist, die durch ein auf den Druck im Saugrohr (1) ansprechendes Ventil (3) gesteuert wird. Das neue Saugrohr ist für Fahrzeugbrennkraftmaschinen geeignet.
<IMAGE>

IPC 1-7

F02M 35/10

IPC 8 full level

F02M 35/10 (2006.01); **F16K 15/14** (2006.01)

CPC (source: EP KR US)

F02M 35/10091 (2013.01 - KR); **F02M 35/10236** (2013.01 - EP US); **F02M 35/10301** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Cited by

DE10131110A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 19625768 A1 19980102; **DE 19625768 B4 20090416**; BR 9703747 A 19980811; DE 59708238 D1 20021024; EP 0816668 A2 19980107; EP 0816668 A3 19980422; EP 0816668 B1 20020918; EP 1211409 A1 20020605; ES 2179236 T3 20030116; JP 3893192 B2 20070314; JP H1054314 A 19980224; KR 100472870 B1 20050520; KR 980002784 A 19980330; MX 9704054 A 19971231; US 5826554 A 19981027

DOCDB simple family (application)

DE 19625768 A 19960627; BR 9703747 A 19970627; DE 59708238 T 19970415; EP 02004931 A 19970415; EP 97106127 A 19970415; ES 97106127 T 19970415; JP 16984697 A 19970626; KR 19970026818 A 19970624; MX 9704054 A 19970602; US 88452197 A 19970627