

Title (en)
MANIFOLD HOUSING SYSTEM

Title (de)
GEHÄUSESYSTEM FÜR EINE SAUGROHRANLAGE

Title (fr)
SYSTEME DE CARTER DE COLLECTEUR

Publication
EP 1090223 A1 20010411 (EN)

Application
EP 99928949 A 19990625

Priority
• CA 9900592 W 19990625
• US 9051298 P 19980624
• US 33608199 A 19990618

Abstract (en)
[origin: WO0077384A1] A field replaceable unitary manifold housing for providing combustion air and combustion fuel to an internal combustion engine is disclosed. The housing (16) includes an air purification cavity (22) having a spaced apart air intake (14) and air discharge. The housing also includes a filter (30) for purifying air disposed in the air purification cavity intermediate the air intake and the air discharge. The housing also includes a hollow elongate member (70) having a first end (74) coupled to the filter and a second end coupled to a plenum chamber (22) for directing the air, the plenum chamber being integral with the air purification cavity. The housing also includes a plurality of channels (122), each channel integral with the housing and having a first end integral with the plenum chamber and a second end coupled to a cylinder head of the engine. The air intake induces air into the air purification cavity, the induced air is purified by the filter, the hollow elongate member directs the air from the filter to the plenum chamber, and the plurality of channels direct the air from the plenum chamber to the cylinder head.

IPC 1-7
F02M 35/04; **F02M 35/112**

IPC 8 full level
F02B 75/22 (2006.01); **F02M 35/04** (2006.01); **F02M 35/10** (2006.01); **F02M 35/104** (2006.01); **F02M 35/112** (2006.01); **F02M 37/00** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP)
F02B 75/22 (2013.01); **F02M 35/04** (2013.01); **F02M 35/10052** (2013.01); **F02M 35/10111** (2013.01); **F02M 35/10144** (2013.01); **F02M 35/10216** (2013.01); **F02M 35/10347** (2013.01); **F02M 35/1036** (2013.01); **F02M 35/112** (2013.01); **F02M 35/10321** (2013.01); **F02M 35/10327** (2013.01); **F05C 2201/021** (2013.01)

Citation (search report)
See references of WO 0077384A1

Cited by
KR101338604B1; FR3141730A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 0077384 A1 20001221; DE 69902540 D1 20020919; DE 69902540 T2 20030410; EP 1090223 A1 20010411; EP 1090223 B1 20020814; JP 2003502559 A 20030121

DOCDB simple family (application)
CA 9900592 W 19990625; DE 69902540 T 19990625; EP 99928949 A 19990625; JP 2001503808 A 19990625