

Title (en)

Intake system for internal combustion engines.

Title (de)

Ansaugsystem für Brennkraftmaschinen.

Title (fr)

Système d'admission pour moteurs à combustion interne.

Publication

EP 0523027 A2 19930113 (EN)

Application

EP 92850169 A 19920707

Priority

SE 9102124 A 19910708

Abstract (en)

An intake system for internal combustion engines incorporating a filter housing (10) with an air intake opening (11), a filter element (12) and at least one air outlet tube (13), which communicates with the engine inlet manifolds (16), which form an integral unit with the bottom part of the filter housing (10). The top part (19) of the inlet manifolds (16) are designed to form the lowermost border of the filter housing (10), and to provide a support for the filter element (12). Hereby is obtained a compact and space-saving construction. <IMAGE>

IPC 1-7

F02M 35/04; F02M 35/10

IPC 8 full level

F02M 35/04 (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)

F02M 35/04 (2013.01); **F02M 35/10032** (2013.01); **F02M 35/10039** (2013.01); **F02M 35/10216** (2013.01); **F02M 35/112** (2013.01)

Cited by

DE4403219A1; JPH10318056A; US6024066A; DE19647184A1; DE19507354B4; DE19701118A1; US5572965A; US5718195A; US6263850B1; US6089202A; CN1078666C; US5927254A; US5575247A; US5664533A; US5826553A; EP0664390A1; US5477819A; TR28363A; EP0801224A3; EP1103716A3; EP1186770A3; EP0793012A3; EP0644326A1; US5638784A; US5960759A; ES2263313A1; GB2318153A; GB2318153B; US5645029A; US5765524A; WO0077384A1; WO9641944A3; USRE37269E; EP0846223B1; US6192849B1; US6701881B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0523027 A2 19930113; EP 0523027 A3 19930519; SE 502372 C2 19951009; SE 9102124 D0 19910708; SE 9102124 L 19930109

DOCDB simple family (application)

EP 92850169 A 19920707; SE 9102124 A 19910708