

Title (en)  
INTAKE SYSTEM FOR INTERNAL COMBUSTION ENGINES

Publication  
**EP 0523027 A3 19930519 (EN)**

Application  
**EP 92850169 A 19920707**

Priority  
SE 9102124 A 19910708

Abstract (en)  
[origin: EP0523027A2] 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 35/10**

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)

Citation (search report)  
• [A] DE 2702160 A1 19780727 - VOLKSWAGENWERK AG  
• [A] FR 73049 E 19600922  
• [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 010 (M-552)10 January 1987 & JP-A-61 187 520 ( MAZDA MOTOR CORP. ) 21 August 1986

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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

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