

Title (en)  
Intake system

Title (de)  
Ansaugsystem

Title (fr)  
Système d'aspiration

Publication  
**EP 1213473 A3 20030604 (DE)**

Application  
**EP 01123101 A 20010927**

Priority  
DE 10053149 A 20001026

Abstract (en)  
[origin: US2002078916A1] An intake system for an internal combustion engine of a motor vehicle which includes a first unfiltered air intake (10) which is arranged at a location in the vehicle that is favorable for air intake, and a second unfiltered air intake (11) which is arranged at a location in the vehicle that is protected against road spray and splashes of water. The two unfiltered air intakes (10, 11) each open into a common line (12) which communicates with the internal combustion engine. In the first unfiltered air intake (10) there is a moisture sensor (14) which emits a signal when water enters the first unfiltered air intake (10). This signal actuates a drive member 23 which moves a flap 13 between first and second switching positions. In the first switching position, the flap 13 closes the second unfiltered air intake 11, so that no air can get into line 12 from the second unfiltered air intake 11. In the second position, the flap 13 closes the first unfiltered air intake 10, so that air gets into line 12 exclusively through the second unfiltered air intake 11.

IPC 1-7  
**F02M 35/10**; **F02M 35/16**

IPC 8 full level  
**G01N 27/04** (2006.01); **F02D 35/00** (2006.01); **F02M 35/10** (2006.01); **F02M 35/108** (2006.01); **F02M 35/16** (2006.01); **G01N 27/22** (2006.01)

CPC (source: EP US)  
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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 032 (M - 275) 10 February 1984 (1984-02-10)

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