

Title (en)  
Air intake system

Title (de)  
Ansaugsystem

Title (fr)  
Système d'admission d'air

Publication  
**EP 1201912 A3 20021030 (DE)**

Application  
**EP 01124373 A 20011024**

Priority  
DE 10053148 A 20001026

Abstract (en)  
[origin: EP1201912A2] The system has two untreated air inlets connected to a common line to the engine. The second inlet is protected against splash and bilge water and can be closed by a closure element in a first position. The first inlet can be closed by the closure element in a second position. The closure element is movable by a motion unit, which is connected to a moisture sensor control unit with electrically conducting sensor wires and a control signal output. The system has two inlets (10,11) for untreated air connected to a common line to the engine, a closure element and a motion unit (17). The second air inlet is at a position protected against splash and bilge water and can be closed by the closure element in a first position. The first inlet can be closed by the closure element (13) in a second position. The closure element is movable by the motion unit, which is connected to a control element in the form of a moisture sensor (14) with at least two electrically conducting sensor wires at a distance apart and a signal output for controlling the motion unit.

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

IPC 8 full level  
**G01N 27/04** (2006.01); **F02D 35/00** (2006.01); **F02M 35/024** (2006.01); **F02M 35/04** (2006.01); **F02M 35/10** (2006.01); **F02M 35/108** (2006.01); **F02M 35/16** (2006.01)

CPC (source: EP US)  
**F02M 35/024** (2013.01 - EP US); **F02M 35/10013** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/10393** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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