

Title (en)
Air intake system

Title (de)
Luftansaugkanalsystem

Title (fr)
Système d'admission d'air

Publication
EP 1375896 A2 20040102 (DE)

Application
EP 03005658 A 20030313

Priority
DE 10228247 A 20020625

Abstract (en)
The internal combustion engine induction system has a housing with an upper section (2) fastened to a lower section (1). An exhaust gas cooler (7) forms part of the upper housing section and has a central channel with fins inside an outer casing (25). There are connections for cooling fluid (8,9) at one end and a pressure die cast divider plate (3) at the other end. The system includes a fresh air inlet channel (14) and a throttle valve (13). There is a mixing system for air and cooled exhaust gas, with an EGR (Exhaust Gas Recirculation) control valve (4).

Abstract (de)
Die Erfindung betrifft den modularen Aufbau eines Luftansaugkanalsystems, welches eine Verteilerplatte (3) aufweist, an die Bauteile wie Drosselklappenstutzen (15), Abgasrückführventil (4) und Abgaskühler (7) angeschlossen werden können und in die die benötigten Kanäle zur Führung des Abgases vom Zylinderkopf zurück über das Abgasrückführventil (4), den Abgaskühler (7) und eine Ringblende (17) zum Sammeleinlaß (12) integriert sind. <IMAGE>

IPC 1-7
F02M 35/10; **F02M 25/07**

IPC 8 full level
F02M 25/07 (2006.01); **F02M 35/10** (2006.01); **F02M 35/112** (2006.01)

CPC (source: EP)
F02M 26/21 (2016.02); **F02M 26/30** (2016.02); **F02M 26/32** (2016.02); **F02M 26/41** (2016.02); **F02M 35/10032** (2013.01); **F02M 35/10222** (2013.01); **F02M 35/10268** (2013.01); **F02M 35/10288** (2013.01); **F02M 35/10347** (2013.01); **F02M 35/112** (2013.01); **F02M 26/11** (2016.02); **F02M 26/19** (2016.02); **F02M 26/51** (2016.02); **F02M 26/69** (2016.02)

Citation (applicant)
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