

Title (en)  
Air intake system

Title (de)  
Luftansaugkanalsystem

Title (fr)  
Système d'admission d'air

Publication  
**EP 1375896 A3 20070117 (DE)**

Application  
**EP 03005658 A 20030313**

Priority  
DE 10228247 A 20020625

Abstract (en)  
[origin: EP1375896A2] 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).

IPC 8 full level  
**F02M 35/10** (2006.01); **F02M 25/07** (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 (search report)  
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• [YA] DE 10028131 C1 20011213 - DAIMLER CHRYSLER AG [DE]  
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• [A] DE 19910781 A1 20000914 - MAHLE FILTERSYSTEME GMBH [DE]  
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Designated extension state (EPC)  
AL LT LV MK

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