

Title (en)  
Exhaust manifold

Title (de)  
Abgaskrümmer

Title (fr)  
Collecteur d'échappement

Publication  
**EP 0582985 B1 19960515 (DE)**

Application  
**EP 93112708 A 19930809**

Priority  
DE 4226715 A 19920812

Abstract (en)  
[origin: EP0582985A1] Exhaust manifold for ducting exhaust gas out of an internal combustion engine, especially for vehicles, having the following features: (a) at least one inner shell (10, 11, 12) and one outer shell (14), the latter being arranged at a distance from the inner shell(s) (10, 11, 12) in order to form an intermediate space (17); (b) the inner shell(s) (10, 11, 12) and the outer shell (14) are composed of sheet metal, the outer shell (14) having a greater wall thickness than the inner shell(s) (10, 11, 12); (c) the inner shell(s) (10, 11, 12) and the outer shell (14) are connected on the exhaust gas inlet side to a common fixing flange (15) and on the exhaust gas outlet side open into a common connecting flange (16) for connection to further exhaust gas ducting parts. <IMAGE>

IPC 1-7  
**F01N 7/10**; **F01N 7/18**

IPC 8 full level  
**F01N 7/00** (2006.01); **F01N 7/10** (2006.01); **F01N 7/18** (2006.01); **F01N 13/00** (2010.01); **F01N 13/10** (2010.01); **F01N 13/14** (2010.01); **F01N 13/18** (2010.01)

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Cited by  
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