

Title (en)

Exhaust manifold and process for its manufacture

Title (de)

Abgassammler und Verfahren zu seiner Herstellung

Title (fr)

Collecteur d'échappement et procédé pour sa fabrication

Publication

**EP 0849445 B1 20011114 (DE)**

Application

**EP 96120586 A 19961220**

Priority

EP 96120586 A 19961220

Abstract (en)

[origin: EP0849445A1] The engine-side flange (2) and trough forming an exhaust manifold for an internal combustion engine are in one piece as an integral sheet component with the flange edge formed from the sheet. An outlet flange (3) surrounds and outlet connection (15) from the manifold. Preferably a sealing edge is formed in the engine-side flange, which has a peripheral rim (5), and a peripheral loose flange plate (9) is set on the engine-side fastening flange. The manifold trough may be formed from a sandwich of two sheets with an intermediate unwoven material layer.

IPC 1-7

**F01N 7/10**

IPC 8 full level

**F01N 13/10** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)

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Cited by

DE102011002492A1; DE10359073B4; EP1172534A3; FR3027626A1; FR2873747A1; EP1225315A3; DE10001287A1; EP2937539A1; CN105041439A; US9140171B2; WO02088527A1; WO02073010A3; WO2016062950A1; WO2006018547A1; WO2009071158A1; DE102009033870A1; US6604358B2

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