

Title (en)

Exhaust manifold for automotive vehicle engines.

Title (de)

Abgaskrümmer für Kraftfahrzeugmotoren.

Title (fr)

Collecteur d'échappement pour moteur de véhicules automobiles.

Publication

EP 0671551 A1 19950913 (FR)

Application

EP 95400506 A 19950308

Priority

FR 9402888 A 19940309

Abstract (en)

The manifold comprises a bedplate (10), which is fixed to the cylinder head (50), and a tube (20) formed by the external wall (21) and an internal wall (22). The tube edges (211,221) are assembled on the base plate. A fibre ceramic material (30) forms a thermal radiation shield between the external and internal walls. The edges (211) of the external wall are assembled on the base plate by a weld (40) without metal. The edges of the external wall are placed against an internal chamfer in the base plate. The edges of the internal wall are pressed against the edges of the external wall and separated by an insulating material. The internal and external walls are conformed to form a thermal shield for the weld.

Abstract (fr)

Selon l'invention, ledit collecteur comprend une semelle (10) destinée à être fixée sur la culasse (50) dudit moteur, et une tubulure (20) formée d'une paroi extérieure (21) et d'une paroi intérieure (22) assemblées par leurs bords (211,221) respectifs sur ladite semelle (10), un matériau (30) formant écran au rayonnement thermique étant interposé entre lesdites parois extérieure (21) et intérieure (22). Application aux véhicules automobiles munis d'un dispositif d'échappement à catalyseur. <IMAGE>

IPC 1-7

F01N 7/10

IPC 8 full level

F01N 13/10 (2010.01)

CPC (source: EP)

F01N 13/102 (2013.01); **F01N 13/105** (2013.01); **F01N 13/141** (2013.01)

Citation (search report)

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- [Y] EP 0374603 A1 19900627 - GRUENZWEIG & HARTMANN MONTAGE [DE], et al
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