

Title (en)
EXHAUST GAS MANIFOLD FOR INTERNAL COMBUSTION ENGINES

Title (de)
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Title (fr)
COLLECTEUR DE GAZ D'ÉCHAPPEMENT POUR MOTEURS À COMBUSTION INTERNE

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Application
EP 08847012 A 20081018

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Abstract (en)
[origin: WO2009059688A1] The invention relates to an airgap-insulated exhaust gas manifold (10) for internal combustion engines. The exhaust gas manifold (10) according to the invention comprises three components: an outer shell (20), an inner shell (30), and a flange (11) joined to the internal combustion engine. The outer shell (20) and the inner shell (30) are each designed in the shape of a hood and each comprise a circumferential collar (22, 32), wherein the outer shell collar (22") is connected to the flange (11) and the inner shell collar (32) is in turn clamped between the outer shell collar (22') and the flange (11). In order to effect said clamping, a plurality of knob- or wave-shaped bulges (33) are formed on the inner shell collar (32) that rest in points against the outer shell collar (22') or the flange (11). Said clamping does not interfere with the heat expansion of the inner shell (30) parallel to the flange (11) when in the operational state.

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Citation (search report)
See references of WO 2009059688A1

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