

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

Publication
EP 2207950 B1 20110518 (DE)

Application
EP 08847012 A 20081018

Priority
• EP 2008008830 W 20081018
• DE 202007015606 U 20071109

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.

IPC 8 full level
F01N 13/08 (2010.01); **F01N 13/10** (2010.01); **F01N 13/14** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)
F01N 13/08 (2013.01); **F01N 13/102** (2013.01); **F01N 13/105** (2013.01); **F01N 13/1811** (2013.01); **F01N 13/1827** (2013.01); **F01N 13/1844** (2013.01); **F01N 13/1888** (2013.01); **F01N 2260/10** (2013.01)

Cited by
DE102014105656A1; DE102014114002A1; DE102014103809A1; US9689302B2; CN104948283A; EP2921670A3; EP2921670A2; US9677453B2; EP2937539A1; US9410470B2; EP3001004A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009059688 A1 20090514; AT E510114 T1 20110615; DE 202007015606 U1 20090326; EP 2207950 A1 20100721; EP 2207950 B1 20110518

DOCDB simple family (application)
EP 2008008830 W 20081018; AT 08847012 T 20081018; DE 202007015606 U 20071109; EP 08847012 A 20081018