

Title (en)
Exhaust manifold

Title (de)
Abgaskrümmer

Title (fr)
Collecteur de gaz d'échappement

Publication
EP 2444617 B1 20160323 (DE)

Application
EP 11007366 A 20110909

Priority
DE 102010048973 A 20101020

Abstract (en)
[origin: EP2444617A1] The exhaust manifold has an insulating molded unit (4) that is pressed into shape and arranged between an outer jacket (3) and an exhaust gas conducting inner tube (2). The insulating molded unit contains an insulating fibrous tissue and a binder, the insulating fibrous tissue containing a fiber mat of mineral fibers, such as a woven glass or silicate or ceramic fiber mat, and the binder is alumina such as bentonite, insulating fibrous tissue is Hakoterm(RTM: fibrous tissue). The insulating molded unit is separated from inner tube by an air gap (5).

IPC 8 full level
F01N 13/16 (2010.01); **F01N 13/10** (2010.01); **F01N 13/14** (2010.01)

CPC (source: EP US)
F01N 13/102 (2013.01 - EP US); **F01N 13/141** (2013.01 - EP US); **F01N 13/16** (2013.01 - EP US); **F01N 2310/02** (2013.01 - EP US)

Cited by
EP3141721A1; CN107060977A; US9790836B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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