

Title (en)

Exhaust manifold for a combustion engine driven vehicle and an exhaust gas system assembly comprising such an exhaust manifold

Title (de)

Abgaskrümmer für ein verbrennungsmotorisch angetriebenes Kraftfahrzeug sowie einen derartigen Abgaskrümmer umfassende Baugruppe einer Abgasanlage

Title (fr)

Collecteur d'échappement pour véhicule propulsé par un moteur à combustion ainsi qu'un système de gaz d'échappement comprenant un tel collecteur d'échappement

Publication

**EP 1413719 A3 20040922 (DE)**

Application

**EP 03020140 A 20030905**

Priority

DE 10249281 A 20021023

Abstract (en)

[origin: DE10249281C1] The exhaust manifold (12) has a number of individual pipes (1) combined together on the output side to form a pipe bundle in which abutting wall sections (4,5) of the adjacent pipes are joined together. The output ends of the abutting wall sections are provided with individual plates (7) fitting between the abutting wall sections and allowing provision of welded joints via welding seams (13). An Independent claim for an exhaust component group for an automobile IC engine is also included.

IPC 1-7

**F01N 7/10**; F01N 7/18

IPC 8 full level

**F01N 7/08** (2006.01); **F01N 7/10** (2006.01); **F01N 13/08** (2010.01); **F01N 13/10** (2010.01)

CPC (source: EP)

**F01N 13/08** (2013.01); **F01N 13/10** (2013.01); **F01N 2450/22** (2013.01)

Citation (search report)

- [A] EP 0736678 A2 19961009 - TOYOTA MOTOR CO LTD [JP]
- [DA] EP 1199450 A2 20020424 - EBERSPAECHER J GMBH & CO [DE]
- [DA] EP 0806598 A1 19971112 - SANGO CO LTD [JP]
- [PA] EP 1336810 A2 20030820 - SAN O IND CO [JP]
- [A] US 3336056 A 19670815 - CASSEL THOMAS R, et al
- [PA] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07 3 July 2003 (2003-07-03)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

**DE 10249281 A 20021023**; DE 50313253 T 20030905; EP 03020140 A 20030905