

Title (en)

Method for manufacturing an exhaust gas manifold

Title (de)

Verfahren zur Herstellung eines Abgassammlers

Title (fr)

Procédé pour la fabrication d'un collecteur d'échappement

Publication

EP 1225315 A3 20031203 (DE)

Application

EP 02000755 A 20020112

Priority

DE 10102896 A 20010123

Abstract (en)

[origin: EP1225315A2] The method for making an exhaust manifold for a multi-cylinder IC engine comprises forming the casing (3) by internal high pressure forming of a tubular profile. The inlet pipe (4) is then formed to give it a rectangular cross-section with curved ends.

IPC 1-7

F01N 7/10; **F01N 3/28**

IPC 8 full level

B21D 53/88 (2006.01); **B21D 26/033** (2011.01); **B21D 53/84** (2006.01); **F01N 3/28** (2006.01); **F01N 13/10** (2010.01)

CPC (source: EP US)

F01N 3/2882 (2013.01 - EP US); **F01N 13/10** (2013.01 - EP US); **Y10T 29/49345** (2015.01 - EP US); **Y10T 29/49391** (2015.01 - EP US); **Y10T 29/49398** (2015.01 - EP US); **Y10T 29/49437** (2015.01 - EP US); **Y10T 29/4944** (2015.01 - EP US); **Y10T 29/49805** (2015.01 - EP US)

Citation (search report)

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CN111531062A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1225315 A2 20020724; **EP 1225315 A3 20031203**; **EP 1225315 B1 20051123**; **EP 1225315 B8 20060607**; AT E310898 T1 20051215; CZ 2002280 A3 20020911; CZ 298339 B6 20070829; DE 10102896 A1 20021031; DE 10102896 B4 20040115; DE 50204982 D1 20051229; US 2002116819 A1 20020829; US 6687996 B2 20040210

DOCDB simple family (application)

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