

Title (en)

Method of manufacturing a pipe section, particularly a branch pipe manifold and branch pipe manifold produced thereby

Title (de)

Verfahren zur Herstellung eines Rohrteiles, insbesondere einer Krümmer-Rohrabzweigung einer Kraftfahrzeug-Abgasanlage, sowie eine hiernach gefertigte Krümmer-Rohrabzweigung

Title (fr)

Procédé de fabrication d'une section de tuyau, notamment d'un embranchement de convertisseur et embranchement de convertisseur ainsi fabriqué

Publication

**EP 0780173 A3 19981021 (DE)**

Application

**EP 96119402 A 19961204**

Priority

DE 19548224 A 19951222

Abstract (en)

[origin: EP0780173A2] The branch has a ready-bent roll part with two short edges in its central contact area (7), which are welded via a seam on its face. It can also have a short and a long edge which are welded laterally to one another via a throat seam. The roll part in its central contact area inter-engages box-fashion and is welded by means of a throat seam. The intermediate area between a straight pipe section (2) and a lateral pipe branch (3) tightly engages and has a closed contour provided with a welding seam. The roll part is double-walled.

IPC 1-7

**B21D 53/88**; **F01N 7/18**

IPC 8 full level

**B21C 37/08** (2006.01); **B21C 37/29** (2006.01); **B21D 53/88** (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP)

**B21C 37/0803** (2013.01); **B21C 37/29** (2013.01); **B21D 53/88** (2013.01); **F01N 13/18** (2013.01); **F01N 2450/22** (2013.01)

Citation (search report)

- [X] FR 1327091 A 19630517 - NEYRPIC ATELIERS NEYRET BEYLIE
- [X] BE 373874 A
- [A] DE 4113855 A1 19920820 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] US 1830262 A 19311103 - CARLSON HJALMAR G
- [A] FR 761992 A 19340331 - CIE NAT RADIATEURS
- [A] US 2713195 A 19550719 - HEMMER ANTON V
- [A] EP 0321869 A1 19890628 - NISSAN MOTOR [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 002, no. 152 (C - 031) 20 December 1978 (1978-12-20)

Cited by

FR2811741A1; EP1242200A4; CN106077132A; CN103920744A; CN115673694A; WO0205979A1; US6814275B2; US7381476B2; WO03031091A1; WO2019144603A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0780173 A2 19970625**; **EP 0780173 A3 19981021**; DE 19548224 A1 19970626

DOCDB simple family (application)

**EP 96119402 A 19961204**; DE 19548224 A 19951222