

Title (en)

Method for producing rotationally symmetric parts

Title (de)

Verfahren zum Herstellen von rotationssymmetrischen Bauteilen

Title (fr)

Procédé pour la production des pièces à symétrie de rotation

Publication

**EP 1252946 B1 20060412 (DE)**

Application

**EP 02002515 A 20020202**

Priority

DE 10120392 A 20010425

Abstract (en)

[origin: EP1252946A2] A tube with constant outer diameter and wall thickness is formed into a shaft with esp. smaller diameter and higher wall thickness. A tube with wall thickness corresponding to the smallest wall thickness of the finished part is partially heated, the heated section is axially upset, and radially forged. The tube is a welded not redrawn part. Upsetting and forging take place in a single working stage while a mandrel is inserted into at least a part of the tube.

IPC 8 full level

**B21K 1/12** (2006.01); **B21C 37/16** (2006.01); **B21J 5/08** (2006.01); **B21K 1/06** (2006.01); **B21K 1/10** (2006.01); **B21K 21/12** (2006.01)

CPC (source: EP US)

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Cited by

DE102007053551A1; CN102581153A; EP1997569A1; CN100460138C; DE102011086125B4; DE102010015835A1

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**EP 1252946 A2 20021030**; **EP 1252946 A3 20031008**; **EP 1252946 B1 20060412**; AT E322949 T1 20060415; DE 10120392 A1 20021031; DE 10120392 B4 20040923; DE 50206354 D1 20060524; JP 2002321035 A 20021105; US 2002160844 A1 20021031; US 7275407 B2 20071002

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