

Title (en)

Method and device for flow-turning

Title (de)

Verfahren und Vorrichtung zum Drückwalzen

Title (fr)

Procédé et dispositif pour le fluotournage

Publication

EP 1108483 B1 20050323 (DE)

Application

EP 00121618 A 20001002

Priority

DE 19960582 A 19991215

Abstract (en)

[origin: DE19960582A1] The process produces a component with an inner boss (12) and an outer boss (14) round it. The workpiece (10) is clamped to a pressure tool (52), rotated and deformed by at least one roller (70a, 70b). The tool includes a displacement shell (56) which can be displaced axially between a position spaced out from the workpiece and one against it.

IPC 1-7

B21H 1/04; **B21D 53/26**; **B21D 22/14**

IPC 8 full level

B21D 22/18 (2006.01); **B21D 22/14** (2006.01); **B21D 22/16** (2006.01); **B21D 53/26** (2006.01); **B21D 53/30** (2006.01); **B21H 1/04** (2006.01); **C07K 7/00** (2006.01)

CPC (source: EP US)

B21D 22/14 (2013.01 - EP US); **B21D 53/261** (2013.01 - EP US); **B21H 1/04** (2013.01 - EP US)

Cited by

EP1356878A3; FR2860565A1; WO2005033550A1; WO2018037070A1; EP3221068B1; EP3221068B2

Designated contracting state (EPC)

DE FR IT

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DE 19960582 A 19991215; DE 50009851 T 20001002; EP 00121618 A 20001002; JP 2000373016 A 20001207; US 70941300 A 20001113