

Title (en)

Method and device for forming workpieces by spinning

Title (de)

Verfahren und Vorrichtung zum Flie遝drucken von Werkstücken

Title (fr)

Procédé et dispositif de formage des pièces à usiner par fluotournage

Publication

**EP 2711103 B1 20141015 (DE)**

Application

**EP 12006680 A 20120922**

Priority

EP 12006680 A 20120922

Abstract (en)

[origin: EP2711103A1] The method involves reducing an outer diameter of a workpiece (9) by applying outer reshaping rollers (24) of an outer shaping unit. The rollers are designed such that enveloping surfaces of treads of the rollers define an enveloping frustum, and tips of enveloping cones are located on rotation axes of the rollers. The rollers are arranged such that the rotation axes of the rollers and the enveloping cones intersect at a point (21) of a workpiece axis (22). The workpiece is reshaped by a process of flow forming by radially applying external reshaping rollers. An independent claim is also included for a device for producing a rotationally symmetrical workpiece.

IPC 8 full level

**B21D 22/16** (2006.01)

CPC (source: EP US)

**B21B 17/02** (2013.01 - US); **B21D 22/16** (2013.01 - EP US)

Cited by

CN106040815A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2711103 A1 20140326; EP 2711103 B1 20141015**; ES 2527395 T3 20150123; MX 2014014793 A 20150224; US 2015027190 A1 20150129; US 9662695 B2 20170530; WO 2014044396 A1 20140327

DOCDB simple family (application)

**EP 12006680 A 20120922**; EP 2013002824 W 20130919; ES 12006680 T 20120922; MX 2014014793 A 20130919; US 201314384845 A 20130919