

Title (en)
PROCESS FOR DEFORMING A HOLLOW PART

Title (de)
VERFAHREN ZUM UMFORMEN EINES HOHLTEILS

Title (fr)
PROCÉDÉ POUR DÉFORMER UN ÉLÉMENT CREUX

Publication
EP 2180964 B1 20140730 (DE)

Application
EP 08806905 A 20080824

Priority
• IB 2008002189 W 20080824
• EP 07016691 A 20070825
• EP 08806905 A 20080824

Abstract (en)
[origin: EP2030701A1] The tool has dies (2a, 2b) assigned to an adjustable die (3). The adjustable die is subdivided into a set of movable segments, which are displaceably mounted in different directions. The segments support a metallic hollow part (1) e.g. transmission shaft, to be formed, in a radial direction during plastic shaping of the hollow part on multiple sides. The segments are adjusted in the radial direction, during plastic shaping of the hollow part. A common transmission element is assigned to the segments. An independent claim is also included for a method for forming a hollow part.

IPC 8 full level
B21C 37/20 (2006.01); **B21D 17/02** (2006.01); **B21J 5/08** (2006.01); **B21K 23/04** (2006.01)

CPC (source: EP)
B21C 37/205 (2013.01); **B21D 17/025** (2013.01); **B21J 5/08** (2013.01); **B21K 23/04** (2013.01)

Cited by
RU2753073C1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2030701 A1 20090304; EP 2180964 A2 20100505; EP 2180964 B1 20140730; WO 2009027789 A2 20090305; WO 2009027789 A3 20090702

DOCDB simple family (application)
EP 07016691 A 20070825; EP 08806905 A 20080824; IB 2008002189 W 20080824