

Title (en)

Device and method for generating or processing workpieces from a blank mould, in particular for casting internal profiles or internal gears

Title (de)

Vorrichtung und Verfahren zum Herstellen oder Bearbeiten von Werkstücken aus einer Vorform, insbesondere zum Anformen von Innenprofilen oder Innenverzahnungen

Title (fr)

Dispositif et procédé de fabrication ou de traitement de pièces à usiner à partir d'une ébauche, en particulier pour former des profils internes ou des dentures intérieures

Publication

**EP 2127777 B1 20120418 (DE)**

Application

**EP 08013579 A 20080729**

Priority

- EP 08009558 A 20080526
- EP 08013579 A 20080729

Abstract (en)

[origin: EP2127777A1] The method involves slidingly placing a portion of a preform (8) onto a mandrel (4), and aligning the mandrel such that a surface (3b) placed within the preform defines a negative profile of an inner surface to be formed in the preform. A relative movement is caused between the preform and a pressure roller (7) in a direction parallel to a longitudinal axis, such that material of the preform is displaced by the pressure roller in such a way that the mandrel is moved longitudinally along the longitudinal axis by the displaced material. An independent claim is also included for a flow-forming machine for producing workpieces, comprising a mandrel.

IPC 8 full level

**B21D 22/16** (2006.01)

CPC (source: EP KR US)

**B21D 22/16** (2013.01 - EP KR US); **B21D 51/10** (2013.01 - KR); **B21H 5/025** (2013.01 - KR)

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 2127775 A1 20091202; EP 2127775 B1 20100224**; AT E458564 T1 20100315; AT E553864 T1 20120515; CN 101590510 A 20091202; DE 502008000404 D1 20100408; EP 2127777 A1 20091202; EP 2127777 B1 20120418; ES 2341683 T3 20100624; ES 2386504 T3 20120822; JP 2009285730 A 20091210; JP 5527875 B2 20140625; KR 101540814 B1 20150730; KR 20090122889 A 20091201; US 2009288464 A1 20091126; US 2011126606 A1 20110602; US 8161788 B2 20120424; US 8984921 B2 20150324

DOCDB simple family (application)

**EP 08009558 A 20080526**; AT 08009558 T 20080526; AT 08013579 T 20080729; CN 200910141765 A 20090525; DE 502008000404 T 20080526; EP 08013579 A 20080729; ES 08009558 T 20080526; ES 08013579 T 20080729; JP 2009125380 A 20090525; KR 20090046094 A 20090526; US 200913056358 A 20090729; US 47173709 A 20090526