

Title (en)

METHOD FOR PRODUCING ROTATIONALLY SYMMETRICAL, UNDERCUT CONTOURS

Title (de)

VERFAHREN ZUR HERSTELLUNG ROTATIONSSYMMETRISCHER, HINTERSCHNITTENER KONTUREN

Title (fr)

PROCEDE POUR REALISER DES PROFILS EN CONTRE-DEPOUILLE, A SYMETRIE DE REVOLUTION

Publication

EP 1833627 A1 20070919 (DE)

Application

EP 05819234 A 20051205

Priority

- EP 2005012995 W 20051205
- EP 2004014369 W 20041216
- EP 05819234 A 20051205

Abstract (en)

[origin: WO2006063608A1] The invention relates to a method for producing essentially rotationally symmetrical, undercut contours on workpieces (13) that can for example be produced by forging or casting, said workpieces having at least one sub-section (14) to be machined with an essentially symmetrical initial contour. The workpiece (13) is braced by the end that is not to be machined in a recess (11) and when in said recess (11) the sub-section (14) of the workpiece that is to be machined is placed against a tool (12). The tool (12) rotates with a constant or variable speed in relation to the sub-section (14) of the workpiece (13) that is to be machined. An undercut contour is thus produced on the sub-section of the workpiece (13) by machining under an axial pressure.

IPC 8 full level

B21K 1/18 (2006.01); **B21K 21/12** (2006.01)

CPC (source: EP KR US)

B21J 5/063 (2013.01 - EP US); **B21K 1/18** (2013.01 - EP KR US); **B21K 1/185** (2013.01 - EP US); **B21K 21/12** (2013.01 - EP KR US); **Y10T 409/303808** (2015.01 - EP US)

Citation (search report)

See references of WO 2006063710A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006063608 A1 20060622; BR PI0519660 A2 20090303; CA 2588931 A1 20060622; CN 100475383 C 20090408; CN 101072650 A 20071114; EP 1833627 A1 20070919; JP 2008524482 A 20080710; KR 20070086113 A 20070827; MX 2007006953 A 20070806; US 2008273936 A1 20081106; WO 2006063710 A1 20060622

DOCDB simple family (application)

EP 2004014369 W 20041216; BR PI0519660 A 20051205; CA 2588931 A 20051205; CN 200580042268 A 20051205; EP 05819234 A 20051205; EP 2005012995 W 20051205; JP 2007545892 A 20051205; KR 20077013283 A 20070613; MX 2007006953 A 20051205; US 72169905 A 20051205