

Title (en)

METHOD FOR GRINDING A MACHINE PART, AND GRINDING MACHINE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR SCHLEIFBEARBEITUNG EINES MASCHINENBAUTEILS UND SCHLEIFMASCHINE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RECTIFICATION D'UN COMPOSANT DE MACHINE ET RECTIFIEUSE POUR LA MISE EN OEUVRE DUDIT PROCÉDÉ

Publication

EP 2007548 A1 20081231 (DE)

Application

EP 08717199 A 20080227

Priority

- EP 2008052395 W 20080227
- DE 102007009843 A 20070228

Abstract (en)

[origin: WO2008104571A1] Disclosed is a method for grinding a machine part that is used as a drive shaft, for example, rotates about the longitudinal axis thereof during the grinding process, and is provided with a journal at one axial end thereof and a recess at the opposite end thereof. The grinding process is carried out in one and the same grinding machine. In said grinding method, the machine part is brought into different clamped states by means of a chuck of a workpiece spindle head (4) with releasable clamping jaws (6) and a centering tip, a backrest (11), and/or a tailstock quill (8). Changing the clamped states has the advantage that the machine part remains in the same position in a single grinding machine, i.e. the clamped position, in all the different clamped states such that more accurate sizes, shapes, and positions can be obtained in an economical manner and all areas of the machine part which are to be ground are successively accessible to the grinding disks.

IPC 8 full level

B24B 5/12 (2006.01)

CPC (source: EP US)

B24B 5/12 (2013.01 - EP US)

Citation (search report)

See references of WO 2008104571A1

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2008104571 A1 20080904; CN 101541473 A 20090923; CN 101541473 B 20110316; DE 102007009843 A1 20080911; DE 102007009843 B4 20100408; DE 502008000065 D1 20090917; EP 2007548 A1 20081231; EP 2007548 B1 20090805; ES 2330279 T3 20091207; JP 2010500929 A 20100114; RU 2009135766 A 20110410; RU 2446037 C2 20120327; US 2010048104 A1 20100225; US 8360819 B2 20130129

DOCDB simple family (application)

EP 2008052395 W 20080227; CN 200880000378 A 20080227; DE 102007009843 A 20070228; DE 502008000065 T 20080227; EP 08717199 A 20080227; ES 08717199 T 20080227; JP 2009524211 A 20080227; RU 2009135766 A 20080227; US 44912208 A 20080227