

Title (en)

METHOD AND GRINDING MACHINE FOR GRINDING BAR-SHAPED WORKPIECES

Title (de)

VERFAHREN UND SCHLEIFMASCHINE ZUM SCHLEIFEN VON STABFÖRMIGEN WERKSTÜCKEN

Title (fr)

PROCÉDÉ ET RECTIFIEUSE POUR LA RECTIFICATION DE PIÈCES EN FORME DE BARRES

Publication

EP 2107959 B1 20130403 (DE)

Application

EP 08750189 A 20080508

Priority

- EP 2008055693 W 20080508
- DE 102008009124 A 20080214

Abstract (en)

[origin: WO2009100771A1] The invention relates to a method and a grinding machine for grinding short and/or bar-shaped workpieces, by means of which complete processing of workpieces is possible at very short cycle times by grinding two parallel end faces and the outside contour of the side faces. The grinding machine has two grinding spindles having parallel rotational axes disposed on a common grinding spindle head in a tandem arrangement and advanced together in the X direction. In coordination with a special holding and transport fixture for the workpieces, two workpieces are each ground at the same time at least in segments, wherein the end faces of one workpiece are ground in one processing position and the final non-circular grinding of the outer contour of a second workpieces occurs in a second processing station, the end faces thereof having been previously finish ground.

IPC 8 full level

B24B 5/01 (2006.01); **B24B 5/02** (2006.01); **B24B 5/32** (2006.01); **B24B 7/17** (2006.01); **B24B 19/08** (2006.01)

CPC (source: EP US)

B24B 5/01 (2013.01 - EP US); **B24B 5/02** (2013.01 - EP US); **B24B 5/32** (2013.01 - EP US); **B24B 7/17** (2013.01 - EP US); **B24B 19/08** (2013.01 - EP US)

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)

WO 2009100771 A1 20090820; BR PI0806075 A2 20110830; BR PI0806075 B1 20191203; CN 101610874 A 20091223; CN 101610874 B 20130508; DE 102008009124 A1 20091126; DE 102008009124 B4 20110428; EP 2107959 A1 20091014; EP 2107959 B1 20130403; ES 2408658 T3 20130621; JP 2010510898 A 20100408; JP 5027259 B2 20120919; RU 2009120199 A 20101210; RU 2441739 C2 20120210; US 2011195635 A1 20110811; US 8475229 B2 20130702

DOCDB simple family (application)

EP 2008055693 W 20080508; BR PI0806075 A 20080508; CN 200880001685 A 20080508; DE 102008009124 A 20080214; EP 08750189 A 20080508; ES 08750189 T 20080508; JP 2009553168 A 20080508; RU 2009120199 A 20080508; US 53231408 A 20080508