

Title (en)

DEVICE AND METHOD FOR THE AUTOMATED PROCESSING OF WORKPIECES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUTOMATISIERTEN BEARBEITEN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF ET PROCÉDÉ D'USINAGE AUTOMATISÉ DE PIÈCES

Publication

EP 3129192 A1 20170215 (DE)

Application

EP 15741829 A 20150325

Priority

- DE 102014206683 A 20140407
- EP 2015056392 W 20150325

Abstract (en)

[origin: CA2943572A1] The invention relates to a device for the automated processing, such as grinding, cutting, and/or deburring, of workpieces (60), in particular cast components, e.g., of wind turbines. For this purpose, the device comprises a motor spindle (16) for processing the workpiece (60), wherein the motor spindle (16) has a tool interface (32) for holding a tool (56) for the processing. Furthermore, the motor spindle is designed in particular for automatically exchanging a tool (56). In addition, the device comprises a robot (14) for retaining and guiding the motor spindle (16) and a control unit (36) for controlling the motor spindle (16) and the robot (14). The invention further relates to a method for the automated processing of workpieces.

IPC 8 full level

B25J 5/02 (2006.01); **B25J 5/06** (2006.01); **B25J 11/00** (2006.01)

CPC (source: CN EP US)

B23Q 11/00 (2013.01 - CN); **B23Q 17/00** (2013.01 - CN); **B25J 5/02** (2013.01 - CN EP US); **B25J 5/06** (2013.01 - CN EP US); **B25J 11/00** (2013.01 - CN); **B25J 11/005** (2013.01 - EP US); **G05B 11/01** (2013.01 - US); **G05B 19/402** (2013.01 - US); **G05B 19/409** (2013.01 - US); **F03D 1/0691** (2013.01 - US); **F03D 80/00** (2016.05 - EP US); **F05B 2230/10** (2013.01 - EP US); **F05B 2230/21** (2013.01 - EP US); **G05B 2219/45044** (2013.01 - US); **G05B 2219/45058** (2013.01 - US); **G05B 2219/45151** (2013.01 - US); **Y02E 10/72** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2015155005A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014206683 A1 20151008; AR 099972 A1 20160831; CA 2943572 A1 20151015; CA 2943572 C 20181204; CN 106163736 A 20161123; EP 3129192 A1 20170215; TW 201544274 A 20151201; TW I566903 B 20170121; US 2017021505 A1 20170126; WO 2015155005 A1 20151015

DOCDB simple family (application)

DE 102014206683 A 20140407; AR P150101043 A 20150407; CA 2943572 A 20150325; CN 201580018538 A 20150325; EP 15741829 A 20150325; EP 2015056392 W 20150325; TW 104108533 A 20150317; US 201515302448 A 20150325