

Title (en)

Device for finishing edges and/or outer surfaces of workpieces

Title (de)

Vorrichtung zum Finishen von Kanten und/oder Aussenflächen von Werkstücken

Title (fr)

Dispositif de finition des bords et/ou des surfaces extérieures des pièces

Publication

EP 2377646 A1 20111019 (EN)

Application

EP 11162882 A 20110418

Priority

IT MO20100117 A 20100419

Abstract (en)

A device (1) for finishing edges and/or outer surfaces of workpieces comprises at least one tool-holder 17 for rotatably supporting a tool 16 around a rotation axis, at least one tool-holding unit 39 for rotatably supporting this at least one tool-holder (17) around a further rotation axis and a crosspiece element (7) for supporting this at least one tool-holding unit (39). In order to improve and make more uniform the surface quality of the machined workpieces, the device (1) comprises first driving means (8) to make the crosspiece element (7) oscillate along a direction (8) that is transverse, in particular perpendicular, to an advancing direction (A) of the workpieces.

IPC 8 full level

B24B 7/06 (2006.01); **B24B 9/00** (2006.01); **B24B 41/047** (2006.01); **B24B 47/04** (2006.01); **B24B 47/12** (2006.01)

CPC (source: EP)

B24B 7/06 (2013.01); **B24B 9/002** (2013.01); **B24B 41/047** (2013.01); **B24B 47/04** (2013.01); **B24B 47/12** (2013.01)

Citation (search report)

- [XY] DE 202007010059 U1 20071018 - JACOB LOEWER INH VON SCHUMANN [DE]
- [X] WO 2007078046 A1 20070712 - YEO JONG KU [KR]
- [Y] US 2985989 A 19610530 - KNOT LLOYD H
- [Y] EP 1000702 A2 20000517 - TONILO ROMEO [IT]
- [A] EP 1772232 A1 20070411 - SCM GROUP SPA [IT]

Cited by

ITVI20130116A1; CN111002160A; CN111070014A; DE102014009582A1; DE102017110950A1; IT201600130117A1; CN110087829A; EP3409418A1; IT201700054727A1; AT16659U1; DE102017110950B4; US11648636B2; WO2018116199A1

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)

EP 2377646 A1 20111019; IT 1399644 B1 20130426; IT MO20100117 A1 20111020

DOCDB simple family (application)

EP 11162882 A 20110418; IT MO20100117 A 20100419