

Title (en)

SANDING MACHINE FOR WOODEN PRODUCTS AND RESPECTIVE SANDING TOOL

Title (de)

SCHLEIFMASCHINE FÜR HOLZPRODUKTE UND ENTSPRECHENDES SCHLEIFWERKZEUG

Title (fr)

PONCEUSE POUR PRODUITS EN BOIS ET OUTIL DE PONÇAGE CORRESPONDANT

Publication

EP 3984696 A1 20220420 (EN)

Application

EP 21202814 A 20211015

Priority

IT 202000024547 A 20201019

Abstract (en)

A machine for sanding surfaces of wooden products is described comprising: a support structure (12); at least one sanding unit (14) comprising at least one sanding device (16); and linear movement means (38, 40, 42) arranged to move the sanding device (16) along at least two axes (A, B, C) orthogonal to each other. The said sanding device (16) comprises at least one rotating sanding tool (18), driven by a respective motor (22) to rotate around its own rotation axis (D). The rotating sanding tool (18) is provided with an abrasive surface (20) which extends on a plane (P) substantially perpendicular to said rotation axis (D) and which is configured for performing the sanding and/or polishing of the surfaces of the wooden products. At least the abrasive surface (20) of the rotating sanding tool (18) has a plan shape, that is to say obtained on the plane (P), of a flat and convex geometric figure having three or more sides (20A, 20B, 20C, 20D) of equal length.

IPC 8 full level

B24B 7/28 (2006.01); **B24B 19/24** (2006.01)

CPC (source: EP)

B24B 7/28 (2013.01); **B24B 19/24** (2013.01)

Citation (applicant)

- EP 2123396 A1 20091125 - ANGELONI MARINO [IT]
- US 2017057046 A1 20170302 - RICHTER MARTIN [CH], et al
- CN 107030554 A 20170811 - LISHUI ZHIKE TECH CO LTD

Citation (search report)

- [A] EP 2123396 A1 20091125 - ANGELONI MARINO [IT]
- [A] US 2017057046 A1 20170302 - RICHTER MARTIN [CH], et al
- [A] CN 107030554 A 20170811 - LISHUI ZHIKE TECH CO LTD

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 3984696 A1 20220420; **EP 3984696 B1 20230712**; DK 3984696 T3 20231002

DOCDB simple family (application)

EP 21202814 A 20211015; DK 21202814 T 20211015