

Title (en)

GRIND PLATE FOR A HAND-HELD ELECTRIC TOOL, AND ELECTRIC TOOL SYSTEM

Title (de)

SCHLEIFTELLER FÜR EIN HANDGEFÜHRTES ELEKTROWERKZEUG, SOWIE ELEKTROWERKZEUGSYSTEM

Title (fr)

PLATEAU DE MEULE POUR UN OUTIL ELECTRIQUE PORTATIF ET SYSTEME D'OUTIL ELECTRIQUE

Publication

**EP 3135432 B1 20191211 (DE)**

Application

**EP 16180319 A 20160720**

Priority

DE 102015216615 A 20150831

Abstract (en)

[origin: US2017057046A1] A sanding plate for a hand-guided electric power tool includes a receiving element and a carrier element. The receiving element is configured to fasten the sanding plate to a drive shaft of the electric power tool. In particular, the receiving element is configured to connect the sanding plate to the drive shaft in a rotationally fixed manner. The carrier element is formed of at least one yielding material. The carrier element is at least partially supported by a support element that is connected to the receiving element. The ratio of the radii of a circumcircle to circumscribe the carrier element to at least one circumcircle to circumscribe the support element is in the range of from 1.3 to 2. An electric power tool system includes a sander that has an oscillating drive shaft and the sanding plate.

IPC 8 full level

**B24B 23/04** (2006.01)

CPC (source: CN EP US)

**B24B 9/00** (2013.01 - CN); **B24B 9/08** (2013.01 - CN); **B24B 23/03** (2013.01 - CN); **B24B 23/04** (2013.01 - CN EP US)

Citation (examination)

- DE 102011005809 A1 20120920 - BOSCH GMBH ROBERT [DE]
- DE 102012210759 A1 20140102 - BOSCH GMBH ROBERT [DE]

Cited by

WO2021032600A1

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

DOCDB simple family (publication)

**EP 3135432 A1 20170301**; **EP 3135432 B1 20191211**; CN 106475875 A 20170308; CN 106475875 B 20210105; DE 102015216615 A1 20170302; US 2017057046 A1 20170302

DOCDB simple family (application)

**EP 16180319 A 20160720**; CN 201610797859 A 20160831; DE 102015216615 A 20150831; US 201615252879 A 20160831