

Title (en)

Hand tool with an oscillation drive

Title (de)

Handwerkzeug mit einem Oszillationsantrieb

Title (fr)

Outil manuel doté d'un entraînement par oscillations

Publication

**EP 2283979 A3 20130417 (DE)**

Application

**EP 10171089 A 20100728**

Priority

DE 202009011312 U 20090811

Abstract (en)

[origin: EP2283979A2] The tool (10) has a housing (12), and a motor shaft coupled with a drive motor. A working spindle is driven around a longitudinal axis in a rotatably-oscillating manner. A coupling unit is driven by the motor shaft, and has a closed guiding surface, where the surface is coupled with a carrier over a transmission unit. The carrier is held in a movable manner relative to the working spindle and engaged into a circumferential area of the working spindle for driving the working spindle in the rotatably-oscillating manner.

IPC 8 full level

**B25F 5/00** (2006.01); **B24B 23/00** (2006.01); **B27B 19/00** (2006.01); **F16H 21/50** (2006.01)

CPC (source: EP US)

**B24B 23/028** (2013.01 - EP US); **B24B 23/04** (2013.01 - EP US); **B25F 5/00** (2013.01 - EP US); **B27B 19/006** (2013.01 - EP US)

Citation (search report)

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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**DE 202009011312 U1 20101223**; CN 101992459 A 20110330; CN 101992459 B 20150225; EP 2283979 A2 20110216; EP 2283979 A3 20130417; EP 2283979 B1 20150708; US 2011036609 A1 20110217; US 8397832 B2 20130319

DOCDB simple family (application)

**DE 202009011312 U 20090811**; CN 201010255983 A 20100811; EP 10171089 A 20100728; US 85460610 A 20100811