

Title (en)

DRIVING TOOL FOR DRIVING FASTENING MEANS INTO WORKPIECES

Title (de)

EINTREIBGERÄT ZUM EINTREIBEN VON BEFESTIGUNGSMITTELN IN WERKSTÜCKE

Title (fr)

AGRAFEUSE DESTINÉE À ENFONCER DES MOYENS DE FIXATION DANS DES PIÈCES

Publication

**EP 3403769 A3 20181205 (DE)**

Application

**EP 18169277 A 20180425**

Priority

DE 202017103050 U 20170519

Abstract (en)

[origin: CN108927864A] The invention relates to a driving tool for driving fastening means into workpieces comprising - a drive device in a housing, - an outlet tool protruding from the lower end of the housing with a driving channel, - a driving tappet that projects into the driving channel and is connected at the top to the drive device, - a magazine for fastening means that is attached to the driving channel in order to supply fastening means to the driving channel, and - a nail centering at the bottom on the outlet tool that has a centering opening that is limited by guide elements movable in the radial direction that are pretensioned toward the centering opening by at least one spring device, characterized in that - the nail centering comprises a centering housing in which at least one circle of balls is arranged, between which the centering opening is defined, and - the spring device is an elastic ring that under pretensioning abuts the balls on the outside.

IPC 8 full level

**B25C 1/00** (2006.01)

CPC (source: CN EP RU US)

**B25C 1/18** (2013.01 - RU); **B25C 1/188** (2013.01 - EP US); **B27F 7/00** (2013.01 - US); **B27F 7/02** (2013.01 - CN); **B27F 7/09** (2013.01 - EP US); **B27F 7/13** (2013.01 - EP US)

Citation (search report)

- [A] US 2761348 A 19560904 - WILLIAMS JESSE E, et al
- [A] US 3060437 A 19621030 - HENNING ROBERT W, et al
- [A] US 6092710 A 20000725 - KERSTEN OLAF [DE]

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 202017103050 U1 20180822**; AU 2018203397 A1 20181206; AU 2018203397 B2 20191212; CN 108927864 A 20181204; CN 108927864 B 20210604; EP 3403769 A2 20181121; EP 3403769 A3 20181205; EP 3403769 B1 20200219; RU 2695789 C1 20190726; TW 201900354 A 20190101; TW I717601 B 20210201; US 2018333889 A1 20181122

DOCDB simple family (application)

**DE 202017103050 U 20170519**; AU 2018203397 A 20180515; CN 201810476670 A 20180518; EP 18169277 A 20180425; RU 2018117556 A 20180511; TW 107115584 A 20180508; US 201815982153 A 20180517