

Title (en)

HAND TOOL MACHINE AND MECHANICAL IMPACT MECHANISM

Title (de)

HANDWERKZEUGMASCHINE SOWIE MECHANISCHES SCHLAGWERK

Title (fr)

MACHINE-OUTIL À MAIN ET ORGANE DE PERCUSSION MÉCANIQUE

Publication

EP 3271115 B1 20190410 (DE)

Application

EP 16707048 A 20160224

Priority

- DE 102015204807 A 20150317
- EP 2016053842 W 20160224

Abstract (en)

[origin: WO2016146354A1] The invention relates to a hand-held power tool (100) with a mechanical percussion mechanism (200), comprising an input shaft (120) for rotationally driving a percussion element (300) associated with the mechanical percussion mechanism (200). According to the invention, at least one V-shaped guide groove is provided on the outer circumference of the input shaft (120), the base lines thereof converging in a connection section being at least partially concave-polygonal.

IPC 8 full level

B25B 21/02 (2006.01); **B25D 11/04** (2006.01); **B25D 11/10** (2006.01)

CPC (source: CN EP US)

B25B 21/02 (2013.01 - US); **B25B 21/026** (2013.01 - CN EP US); **B25D 11/04** (2013.01 - US); **B25D 11/104** (2013.01 - US)

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)

WO 2016146354 A1 20160922; CN 107405759 A 20171128; CN 107405759 B 20210319; DE 102015204807 A1 20160922; EP 3271115 A1 20180124; EP 3271115 B1 20190410; US 11185963 B2 20211130; US 2018029206 A1 20180201

DOCDB simple family (application)

EP 2016053842 W 20160224; CN 201680016507 A 20160224; DE 102015204807 A 20150317; EP 16707048 A 20160224; US 201615554322 A 20160224