

Title (en)

MANUAL MACHINE TOOL

Title (de)

HANDWERKZEUGMASCHINE

Title (fr)

MACHINE-OUTIL PORTATIVE

Publication

**EP 3140081 A1 20170315 (DE)**

Application

**EP 15713756 A 20150401**

Priority

- EP 14167638 A 20140509
- EP 2015057150 W 20150401

Abstract (en)

[origin: WO2015169515A1] The hand-held power tool (1) according to the invention has a tool holder (2) for holding a tool (4) on a work axis (11) and a percussion mechanism (6) which comprises a striker (14) which is moved periodically back and forth on the work axis (11). The percussion mechanism (6) is fastened in a machine housing (20). A handle (9) is fastened to the machine housing (20) by means of a damper (21). The damper (21) has a machine-side surface (25) connected to the machine housing (20) and a handle-side surface (24) connected to the handle (9). A block (27) of a porous elastomer is arranged so as to bear on the machine-side surface (25) and on the handle-side surface (24). An air-filled cavity (30) is provided within the block (27) between the machine-side surface (25) and the handle-side surface (24).

IPC 8 full level

**B25D 17/04** (2006.01); **B25F 5/00** (2006.01)

CPC (source: CN EP US)

**B25D 16/00** (2013.01 - US); **B25D 17/043** (2013.01 - CN EP US); **B25F 5/006** (2013.01 - CN EP US); **B25D 2222/69** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2015169515A1

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 2942158 A1 20151111**; CN 106457542 A 20170222; EP 3140081 A1 20170315; EP 3140081 B1 20220727; US 10654158 B2 20200519;  
US 2017144287 A1 20170525; WO 2015169515 A1 20151112

DOCDB simple family (application)

**EP 14167638 A 20140509**; CN 201580022831 A 20150401; EP 15713756 A 20150401; EP 2015057150 W 20150401;  
US 201515309775 A 20150401