

Title (en)  
HANDHELD CHISELLING MACHINE TOOL

Title (de)  
MEISSELNDE HANDWERKZEUGMASCHINE

Title (fr)  
MACHINE-OUTIL DE BURINAGE PORTATIVE

Publication  
**EP 3898117 B1 20221116 (DE)**

Application  
**EP 19812801 A 20191204**

Priority  
• EP 18215055 A 20181221  
• EP 2019083650 W 20191204

Abstract (en)  
[origin: WO2020126499A1] The chisel-action hand-held power tool (1) according to the invention has a tool holder (2), an electric motor (8), a hammer mechanism (4) and an idle impact take-up (30). The tool holder (2) can receive a tool (3) and movably mount said tool on a work axis (7). The hammer mechanism (4) contains an actuator piston (13), a hammer (14), a snap hammer (15) and a guide (21) for said snap hammer. The actuator piston (13) is coupled to the electric motor. The guide (21) guides the snap hammer (15) on the work axis (7). The idle-impact take-up (30) for the snap hammer (15) has a conical inner surface (37) facing the snap hammer (15). The snap hammer (15) has a corresponding end face (31) pointing in the hammer direction (5). The end face (31) rests against the conical inner surface (37), when the snap hammer (15) is in its most advanced position in the hammer direction (5). The end face (31) of the snap hammer (15) has a first segment (33) and a second segment (34) around its periphery (32). The second segment (34) is offset relative to the first segment (33) in the hammer direction (5).

IPC 8 full level  
**B25D 17/06** (2006.01); **B25D 11/00** (2006.01)

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP); **B25D 2211/068** (2013.01 - EP); **B25D 2217/0015** (2013.01 - EP US); **B25D 2217/0023** (2013.01 - US); **B25D 2250/131** (2013.01 - EP 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)  
**EP 3670096 A1 20200624**; CN 113165153 A 20210723; CN 113165153 B 20240524; EP 3898117 A1 20211027; EP 3898117 B1 20221116; US 11858104 B2 20240102; US 2022063078 A1 20220303; WO 2020126499 A1 20200625

DOCDB simple family (application)  
**EP 18215055 A 20181221**; CN 201980074739 A 20191204; EP 19812801 A 20191204; EP 2019083650 W 20191204; US 201917415354 A 20191204