

Title (en)  
HANDHELD MACHINE TOOL

Title (de)  
HANDWERKZEUGMASCHINE

Title (fr)  
MACHINE-OUTIL PORTATIVE

Publication  
**EP 3496901 B1 20240710 (DE)**

Application  
**EP 17745354 A 20170731**

Priority  
• EP 16183369 A 20160809  
• EP 2017069309 W 20170731

Abstract (en)  
[origin: WO2018029025A1] The invention relates to a hand-held power tool 1 with a tool holder 2 for holding a tool 3 and a pneumatic percussive mechanism 8 for periodically generating percussions on the tool 3 held in the tool holder. The percussive mechanism 8 comprises a guide tube 15, an excitation piston 13, a striker 9, a pneumatic chamber 14 which is enclosed in the guide tube by the excitation piston 3 and the striker 9, and a compensating opening 17 in the guide tube for ventilating the pneumatic chamber 14. A cap covers the compensating opening 17 on an exterior of the guide tube 15. The cap is open in an opening direction largely tangential to the guide tube 15.

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

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 16/00** (2013.01 - US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2217/0023** (2013.01 - US); **B25D 2250/035** (2013.01 - EP US)

Citation (examination)  
• US 2008296034 A1 20081204 - BRAUN WILLY [DE]  
• EP 1607187 A1 20051221 - HILTI AG [LI]

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 3281747 A1 20180214**; EP 3496901 A1 20190619; EP 3496901 B1 20240710; US 11123853 B2 20210921; US 2019168369 A1 20190606; WO 2018029025 A1 20180215

DOCDB simple family (application)  
**EP 16183369 A 20160809**; EP 17745354 A 20170731; EP 2017069309 W 20170731; US 201716324233 A 20170731