

Title (en)  
Powered hand-tool with percussion mechanism

Title (de)  
Handwerkzeugmaschine mit Schlagwerk

Title (fr)  
Machine-outil manuelle dotée d'une sonnette

Publication  
**EP 2017039 A3 20120905 (DE)**

Application  
**EP 08104150 A 20080529**

Priority  
DE 102007000391 A 20070719

Abstract (en)  
[origin: EP2017039A2] The manually operated machine tool (10) has a pneumatic striking mechanism (20) actuated by a motor (12). The Striking mechanism defines a central striking mechanism axis (S) and has an exciter element (22) which moves to and from in a guiding tube (21). The adjusting device (30) has an adjusting element (31) for continuous adjustment of the tumbling angle of the tumbling element (29). The adjusting element is displaced along the longitudinal extension of the tumbling angle.

IPC 8 full level  
**B25D 11/00** (2006.01); **B25D 11/06** (2006.01); **B25D 11/12** (2006.01); **B25D 16/00** (2006.01)

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 11/062** (2013.01 - EP US); **B25D 11/125** (2013.01 - EP US); **B25D 16/00** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2250/331** (2013.01 - EP US)

Citation (search report)

- [AD] DE 3205141 A1 19830818 - BOSCH GMBH ROBERT [DE]
- [A] DE 19856638 A1 20000608 - BLACK & DECKER INC [US]
- [A] DE 2917475 A1 19801113 - HILTI AG
- [A] DE 3505544 A1 19860821 - HILTI AG [LI]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2017039 A2 20090121**; **EP 2017039 A3 20120905**; DE 102007000391 A1 20090122; JP 2009023085 A 20090205; US 2009020302 A1 20090122; US 7802711 B2 20100928

DOCDB simple family (application)  
**EP 08104150 A 20080529**; DE 102007000391 A 20070719; JP 2008186059 A 20080717; US 21866508 A 20080716