

Title (en)  
Hand tool machine apparatus

Title (de)  
Handwerkzeugmaschinenvorrichtung

Title (fr)  
Dispositif de machine-outil manuelle

Publication  
**EP 2283978 A3 20130612 (DE)**

Application  
**EP 10166967 A 20100623**

Priority  
DE 102009028506 A 20090813

Abstract (en)  
[origin: EP2283978A2] The device has a hammering tool (12a) including an impact tool (16a), a movable stopping element (24a), a hammer (14a), a spring unit (18a) and a guiding unit (20a). The spring unit accelerates the hammer in an operating mode, and the guiding unit guides the hammer. The hammering tool includes a damping unit (22a) that is connected in series with the spring unit during the operating mode, where the spring unit is arranged in a radial outer region of the guiding unit and surrounds the guiding unit.

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

CPC (source: EP)  
**B25D 17/06** (2013.01); **B25D 2217/0015** (2013.01); **B25D 2217/0019** (2013.01); **B25D 2250/085** (2013.01); **B25D 2250/371** (2013.01)

Citation (search report)  
• [X] DE 102007062798 A1 20090702 - BOSCH GMBH ROBERT [DE]  
• [XI] DE 836425 C 19520410 - SIEMENS AG

Cited by  
CN110394769A; CN104227666A; JP2013193142A

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2283978 A2 20110216; EP 2283978 A3 20130612; DE 102009028506 A1 20110217**

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