

Title (en)  
Chiselling hand tool machine

Title (de)  
Meisselnde Handwerkzeugmaschine

Title (fr)  
Machine-outil à main de burinage

Publication  
**EP 2669060 B1 20170222 (DE)**

Application  
**EP 13168470 A 20130521**

Priority  
DE 102012208986 A 20120529

Abstract (en)  
[origin: EP2669060A1] The tool has a pneumatic striking mechanism (6) including a motor-driven exciter (12), a guide tube (18) and a striker (13). A pneumatic spring (15) is provided inside the guide tube between the exciter and the striker and circumferentially pressure-tight sealed by an inner surface of the guide tube. A piston is arranged by the exciter and the striker and guided by the inner surface. Recesses have depth between 10 micrometer and 100 micrometer. An inner surface of the guide tube has multiple molded depressions.

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

CPC (source: EP US)  
**B25D 11/06** (2013.01 - US); **B25D 17/06** (2013.01 - EP US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2250/065** (2013.01 - EP US); **B25D 2250/185** (2013.01 - EP US)

Cited by  
EP3281747A1; CN106903804A; CN106903805A; US11123853B2; WO2018029025A1

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 2669060 A1 20131204; EP 2669060 B1 20170222**; CN 103447580 A 20131218; CN 103447580 B 20170412;  
DE 102012208986 A1 20131205; US 2013319712 A1 20131205; US 9527199 B2 20161227

DOCDB simple family (application)  
**EP 13168470 A 20130521**; CN 201310191376 A 20130522; DE 102012208986 A 20120529; US 201313900405 A 20130522