

Title (en)  
HANDHELD ELECTRIC MACHINE TOOL

Title (de)  
HANDGEHALTENE ELEKTROWERKZEUGMASCHINE

Title (fr)  
MACHINE-OUTIL ÉLECTRIQUE PORTATIVE

Publication  
**EP 2384259 B1 20130626 (DE)**

Application  
**EP 09795760 A 20091217**

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Abstract (en)  
[origin: WO2010076230A1] The invention relates to a handheld electric machine tool (10) comprising - a housing (20) having a grip area (40), - a tool area (50) for a tool (60) that can be driven in a linear and/or oscillating manner, - an operating element (30) on the housing side for activation of the tool (60) and/or the electric machine tool (10) by the user, - a drive unit (80) arranged in the housing (20) for producing a working movement of the tool (60), - an electronic unit (200) arranged in the housing (20) for sending at least control and/or regulation signals to the drive unit (80), - an operating voltage unit (90) for providing an electrical DC voltage, wherein the drive unit (80) comprises at least one excitation actuator (100) having a volume of excitation-active material, which - is supplied electrically by the operating voltage unit (90) during operation, - is controlled or regulated by the electronic unit (200). It is proposed to design the electronic unit (200) to operate the at least one excitation actuator (100) at a resonance frequency ( $f_{res}$ ).

IPC 8 full level  
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CPC (source: EP US)  
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