

Title (en)  
POWER TOOL

Title (de)  
ELEKTROWERKZEUG

Title (fr)  
OUTIL ÉLECTRIQUE

Publication  
**EP 3403771 A4 20200101 (EN)**

Application  
**EP 17738179 A 20170113**

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Abstract (en)  
[origin: EP3403771A1] The present invention provides a power tool, including: a motor; an output shaft for mounting a work head being driven by the motor, wherein a plane passing through an axis of the motor and an axis of the output shaft is defined as a reference plane; and a housing, including an inner housing and an outer housing, wherein the inner housing and the outer housing are spaced, and the motor is at least partially accommodated in the inner housing; a limiting mechanism and a vibration reduction mechanism being disposed between the outer housing and the inner housing, and wherein the vibration reduction mechanism acts in a direction perpendicular to the reference plane, the limiting mechanism is used for limiting the outer housing to move relative to the inner housing in the reference plane or a plane parallel to the reference plane, and the limiting mechanism and the vibration reduction mechanism are respectively independent. In the power tool of the present invention, the limiting mechanism and the vibration reduction mechanism are respectively independent, so that a comfort level in operation is effectively improved without affecting working efficiency.

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**B25F 3/00** (2013.01 - CN); **B25F 5/00** (2013.01 - CN); **B25F 5/006** (2013.01 - CN EP)

Citation (search report)  
• [XY] DE 102014103856 A1 20150924 - FEIN C & E GMBH [DE]  
• [YA] DE 102012103587 A1 20131024 - FEIN C & E GMBH [DE]  
• [XA] US 2010068977 A1 20100318 - ZHANG JIYU [CN], et al  
• [E] EP 3257636 A1 20171220 - POSITEC POWER TOOLS (SUZHOU) CO LTD [CN]  
• See references of WO 2017121366A1

Designated contracting state (EPC)  
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