

Title (en)

Power hand tool with enhanced feedback

Title (de)

Handwerkzeugmaschine mit verbesserter Rückmeldung

Title (fr)

Outil à main avec feedback amélioré

Publication

**EP 3050676 A1 20160803 (EN)**

Application

**EP 15153381 A 20150130**

Priority

EP 15153381 A 20150130

Abstract (en)

The inventions relates to a power hand tool having a rotational shaft driven by a driving unit, wherein the hand tool comprises a sensor for detecting a movement of a housing, a speed control unit for controlling the speed of the rotational shaft and a protection circuit set up to control the speed control unit for protecting a user of the hand tool based on the detected movement, wherein the protection circuit is set up to decrease the speed of the rotational shaft (preferably via the speed control unit) by a variable amount to different speed levels above zero, wherein the variable amount is depending on the amount of the detected movement. The invention further relates to an according method and to a battery for such a hand tool.

IPC 8 full level

**B25F 5/00** (2006.01)

CPC (source: EP)

**B25F 5/00** (2013.01)

Citation (applicant)

- EP 1201373 B1 20080924 - HILTI AG [LI]
- WO 2006045072 A2 20060427 - BLACK & DECKER INC [US], et al

Citation (search report)

- [XYI] EP 1878541 A2 20080116 - BLACK & DECKER INC [US]
- [XY] GB 2410205 A 20050727 - BOSCH GMBH ROBERT [DE]
- [Y] EP 2623267 A1 20130807 - MAKITA CORP [JP]
- [Y] US 2013341058 A1 20131226 - ROEHM HEIKO [DE]
- [A] EP 2497607 A1 20120912 - MAKITA CORP [JP]
- [A] US 2011162860 A1 20110707 - GUT MANUEL [AT], et al

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3050676 A1 20160803; EP 3050676 B1 20170927; WO 2016122788 A1 20160804**

DOCDB simple family (application)

**EP 15153381 A 20150130; US 2015065582 W 20151214**