

Title (en)  
ELECTRIC TOOL AND CONTROLLING METHOD THEREOF

Title (de)  
ELEKTROWERKZEUG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)  
OUTIL ÉLECTRIQUE ET SON PROCÉDÉ DE COMMANDE

Publication  
**EP 3433055 A4 20200115 (EN)**

Application  
**EP 17769407 A 20170321**

Priority  
• HK 16103323 A 20160322  
• CN 2017077447 W 20170321

Abstract (en)  
[origin: WO2017162130A1] An electric tool includes a motor (12) for driving a working element, a controller (2) connected to the motor, a first user input device connected to the controller, and a memory (6) connected to the controller. The controller is configured to operate in a learning mode and an execution mode. In the learning mode the controller is adapted to record a varying pattern of operation of electric tool and store the varying pattern in the memory. In the execution mode, the controller is adapted to control the electric tool to operate without user intervention by replaying the varying pattern stored in the memory. With the learning mode, end users can pay less attention to the operation since the electric tool can replay the working process in the execution mode to prevent material being damaged for the same type of work.

IPC 8 full level  
**B25B 21/00** (2006.01); **G05B 19/42** (2006.01)

CPC (source: EP)  
**B25B 21/00** (2013.01); **B25B 23/14** (2013.01); **B25B 23/147** (2013.01)

Citation (search report)  
• [X] US 2014338939 A1 20141120 - SHI PINGBO [CN]  
• [XI] US 2014158390 A1 20140612 - MASHIKO HIRONORI [JP], et al  
• [A] EP 2860600 A2 20150415 - RENAULT GEORGES ETS [FR]  
• [A] JP 2012200807 A 20121022 - DENSO WAVE INC, et al  
• See references of WO 2017162130A1

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)  
**WO 2017162130 A1 20170928**; AU 2017239292 A1 20181011; CN 108883522 A 20181123; CN 108883522 B 20210528;  
EP 3433055 A1 20190130; EP 3433055 A4 20200115; EP 3433055 B1 20221130

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**CN 2017077447 W 20170321**; AU 2017239292 A 20170321; CN 201780019380 A 20170321; EP 17769407 A 20170321