

Title (en)  
Machine tool and control method

Title (de)  
Werkzeugmaschine und Steuerungsverfahren

Title (fr)  
Machine-outil et procédé de commande

Publication  
**EP 2517839 B1 20150408 (DE)**

Application  
**EP 12155287 A 20120214**

Priority  
DE 102011017579 A 20110427

Abstract (en)  
[origin: EP2517839A2] The tool i.e. hammer drill (1), has a tool retainer (2) retaining a tool i.e. drill bit (4), and a motor (5) e.g. brushless electric motor, comprising a stator. A drive train has a transmission between the motor and an output shaft (7). The drive train couples the motor with the retainer for transmitting torque. A system pushbutton (9) is activated by a user such that a motor-actuated control (24) starts turning the motor for duration in a rotational direction and in another rotational direction opposite to the former direction, where the duration is shorter than 100 milliseconds. An independent claim is also included for a method for controlling a machine tool.

IPC 8 full level  
**B25F 5/00** (2006.01)

CPC (source: EP US)  
**B25D 11/125** (2013.01 - EP US); **B25D 16/00** (2013.01 - EP US); **B25F 5/00** (2013.01 - EP US); **B25D 2216/0015** (2013.01 - EP US); **B25D 2216/0023** (2013.01 - EP US); **B25D 2216/0038** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US)

Cited by  
EP2960021A1; WO2015197753A1; US10751866B2; US11123854B2

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 2517839 A2 20121031; EP 2517839 A3 20131204; EP 2517839 B1 20150408**; DE 102011017579 A1 20121031;  
US 2012274254 A1 20121101; US 9126321 B2 20150908

DOCDB simple family (application)  
**EP 12155287 A 20120214**; DE 102011017579 A 20110427; US 201213456669 A 20120426