

Title (en)
CONTROL METHOD AND HAND-HELD MACHINE TOOL

Title (de)
STEUERUNGSVERFAHREN UND HANDWERKZEUGMASCHINE

Title (fr)
PROCÉDÉ DE COMMANDE ET MACHINE-OUTIL PORTATIVE

Publication
EP 3389935 A1 20181024 (DE)

Application
EP 16806096 A 20161206

Priority
• EP 15199870 A 20151214
• EP 2016079809 W 20161206

Abstract (en)
[origin: WO2017102415A1] A control method for a drilling portable power tool for machining a substrate by means of a drill bit 4 has the steps of: superimposing periodic percussion on the drill bit 4 with a percussion rate, and rotation of the tool holder 2 at a rotational speed in a direction of rotation; determining a material of the substrate to be machined by the drill 4; and setting the rotational speed on the basis of the material determined, wherein, in the case of an iron-based material, the rotational speed is set to a first value and a first direction of rotation, in the case of a mineral material, the rotational speed is set to a second value and a second direction of rotation, and wherein the first value is lower than the second value or the first direction of rotation is anticlockwise and the second direction of rotation is clockwise.

IPC 8 full level
B25D 16/00 (2006.01)

CPC (source: EP US)
B25D 11/062 (2013.01 - US); **B25D 16/006** (2013.01 - EP US); **B25D 17/06** (2013.01 - US); **B25F 5/006** (2013.01 - US); **B25D 2216/003** (2013.01 - EP US); **B25D 2222/42** (2013.01 - EP US); **B25D 2222/72** (2013.01 - EP US); **B25D 2250/201** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US)

Citation (search report)
See references of WO 2017102415A1

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 3181303 A1 20170621; EP 3389935 A1 20181024; EP 3389935 B1 20200401; US 10906166 B2 20210202; US 2018370008 A1 20181227; WO 2017102415 A1 20170622

DOCDB simple family (application)
EP 15199870 A 20151214; EP 16806096 A 20161206; EP 2016079809 W 20161206; US 201616061990 A 20161206