

Title (en)

HAND-HELD POWER TOOL COMPRISING A SENSOR CIRCUIT BOARD

Title (de)

HANDWERKZEUGMASCHINE MIT EINER SENSORPLATINE

Title (fr)

OUTIL ÉLECTRIQUE PORTATIF COMPRENANT UNE CARTE DE CIRCUIT IMPRIMÉ DE DÉTECTION

Publication

EP 4028219 A1 20220720 (DE)

Application

EP 20768015 A 20200904

Priority

- DE 102019213790 A 20190911
- DE 102020210674 A 20200821
- EP 2020074817 W 20200904

Abstract (en)

[origin: WO2021048025A1] In a hand-held power tool (100) comprising a tool receptacle (140) and a housing (105), in which at least one electronically commutated drive motor (185) is arranged for driving an insertion tool that can be arranged in the tool receptacle (140), and comprising a sensor circuit board (160) which is arranged in the housing (105) and on which sensor elements (252) are arranged for allowing sensor-controlled commutation of the electronically commutated drive motor (185), at least one mounting element (255) is provided for mounting the sensor circuit board (160) in the housing (105) and for arranging the sensor circuit board (160) on the electronically commutated drive motor (185), wherein the sensor circuit board (160) is mechanically decoupled from the electronically commutated drive motor (185).

IPC 8 full level

B25F 5/00 (2006.01)

CPC (source: EP KR US)

B25F 5/00 (2013.01 - EP KR); **B25F 5/008** (2013.01 - US); **H02K 7/145** (2013.01 - US); **H02K 11/215** (2016.01 - US); **B25B 21/02** (2013.01 - US)

Citation (search report)

See references of WO 2021048025A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102020210674 A1 20210311; CN 114728407 A 20220708; EP 4028219 A1 20220720; JP 2022548519 A 20221121; KR 20220059508 A 20220510; US 2022337122 A1 20221020; WO 2021048025 A1 20210318

DOCDB simple family (application)

DE 102020210674 A 20200821; CN 202080078483 A 20200904; EP 2020074817 W 20200904; EP 20768015 A 20200904; JP 2022514239 A 20200904; KR 20227010997 A 20200904; US 202017753557 A 20200904