

Title (en)
ELECTRIC GRINDING MACHINE TOOL

Title (de)
ELEKTROSCHLEIFMASCHINENWERKZEUG

Title (fr)
OUTIL DE MACHINE DE MEULAGE ÉLECTRIQUE

Publication
EP 3964330 A1 20220309 (EN)

Application
EP 20194533 A 20200904

Priority
EP 20194533 A 20200904

Abstract (en)
An electric grinding machine tool (10) comprises a grip body (11), a grinding disc (15) and a battery (16), the grip body (11) is arranged with a tool shaft (114) connected with the grinding disc (15), a driving component (115) capable of rotating the tool shaft (114), a circuit board (116) electrically connected with the driving component (115) and the battery (16), and the grip body (11) has a battery mount (121). The circuit board (116) is not perpendicular to the tool shaft (114), the circuit board (116) and the battery mount (121) are respectively positioned on opposite sides of the tool shaft (114), and a line (122) passes through the circuit board (116), the battery mount (121), and the tool shaft (114). By changing the position of the circuit board (116), the gravity center of the grip body (11) is reduced to improve stability of a grinding operation.

IPC 8 full level
B24B 23/04 (2006.01); **B24B 41/00** (2006.01); **B24B 55/02** (2006.01); **B24B 55/10** (2006.01)

CPC (source: EP)
B24B 23/02 (2013.01); **B24B 41/007** (2013.01); **B25F 5/00** (2013.01)

Citation (applicant)

- US 2020230796 A1 20200723 - YEN LIN-HAN [TW], et al
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- US 2018056473 A1 20180301 - FISHER DRAKE L [US], et al

Citation (search report)

- [XYI] US 2019047115 A1 20190214 - NAKAMURA SHIN [JP], et al
- [Y] DE 102010042452 A1 20120419 - BOSCH GMBH ROBERT [DE]
- [Y] US 8435096 B2 20130507 - CHEN BACH PANGHO [US]
- [Y] US 2015263592 A1 20150917 - KAWAKAMI TAKAHIRO [JP], et al

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WO2023180554A1; WO2023180555A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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