

Title (en)

A POWER TOOL WITH SAFETY LINKAGE MECHANISM

Title (de)

ELEKTRISCHES WERKZEUG MIT SICHERHEITSVERBINDUNGSMECHANISMUS

Title (fr)

OUTIL ÉLECTRIQUE DOTÉ DE MÉCANISME DE LIAISON DE SÉCURITÉ

Publication

EP 3912204 A4 20230222 (EN)

Application

EP 19909934 A 20190115

Priority

CN 2019071758 W 20190115

Abstract (en)

[origin: WO2020147002A1] The present invention relates to a power tool and a power tool kit. The power tool comprises a battery receptacle defining a battery receiving space, the battery receptacle arranged to be removably coupled with a battery pack; an actuator moveable between ON and OFF positions to selectively operate a drive means of the power tool for driving a tool element; and a linkage mechanism operably connected with the actuator, wherein the linkage mechanism comprises a first linkage member being movable substantially linearly along a movement axis between a first position that prevents the battery pack to couple with the battery receptacle and a second position that allows the battery pack to couple with the battery receptacle. By utilising a mechanical linkage mechanism, the present invention provides a more reliable and cheaper mechanism to ensure the safety of users and prevent harm due to failure of any electronic mechanism, such as PCB board failure.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] US 6181032 B1 20010130 - MARSHALL JAMES D [CA], et al
- [A] US 2002100597 A1 20020801 - NUMATA FUMITOSHI [JP]
- See references of WO 2020147002A1

Designated contracting state (EPC)

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