

Title (en)

BATTERY PACK FOR A HAND-HELD POWER TOOL, HAND-HELD POWER TOOL AND CHARGING DEVICE

Title (de)

AKKUPACK FÜR EINE HANDWERKZEUGMASCHINE, HANDWERKZEUGMASCHINE UND LADEGERÄT

Title (fr)

BLOC-BATTERIE POUR UN OUTIL ÉLECTRIQUE PORTATIF, OUTIL ÉLECTRIQUE PORTATIF ET DISPOSITIF DE CHARGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021144153A1] The invention relates to a battery back for a hand-held power tool comprising a battery pack housing having an interface for producing a mechanical and electrical connection between the battery pack and the hand-held power tool and/or a charging device, wherein the interface has at least one first contact element and a second contact element for electrically and/or mechanically contacting corresponding counter contact elements on the hand-held power tool and/or corresponding counter contact elements on the charging device. The battery pack according to the invention also comprises at least one battery cell and a battery pack electronics system. The battery pack electronics system comprises a charge current path and a discharge current path. The charge current path is designed to connect the first contact element and the second contact element to the battery cell during a charging of the at least one battery cell, while the discharge current path is designed to connect the first contact element and the second contact element to the battery cell during a discharging of the at least one battery cell. The charge current path and the discharge current path are at least partially electrically separate from one another. The battery pack also comprises a first switch element for switching between at least the charge current path and the discharge current path. The invention also relates to a hand-held power tool and a charging device comprising a machine-device-side interface for mechanically and electrically coupling the hand-held power tool or the charging device to a corresponding interface of a battery pack of the type described above.

IPC 8 full level

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Citation (search report)

See references of WO 2021144153A1

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