

Title (en)

METHOD FOR ADAPTIVELY FAST-CHARGING A BATTERY PACK

Title (de)

VERFAHREN ZU EINEM ADAPTIVEN SCHNELLADEN EINES AKKUPACKS

Title (fr)

PROCÉDÉ DE CHARGEMENT RAPIDE ADAPTATIF D'UN BLOC-BATTERIE

Publication

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Application

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Abstract (en)

[origin: WO2020193296A1] The invention relates to a method for adaptively fast-charging a battery pack, in particular a replaceable battery pack for power tools, using a battery charging device. In at least one step, at least one voltage and the temperature of the battery pack (12), in particular of a battery cell of the battery pack (12), are continuously or periodically detected by means of a detection unit (16); in at least one step, a charging current of the battery charging device (10) is adapted by means of a control and/or regulating unit (18) of the battery charging device (10) on the basis of the detected voltage and/or the detected temperature of the battery pack (12); and in at least one step, at least one threshold, in particular a battery-specific threshold, of the voltage and/or the temperature is taken into consideration in order to adapt the charging current by means of the control and/or regulating unit (18). According to the invention, in at least one step, in particular prior to starting the charging process, the threshold, in particular the battery-specific threshold, of the voltage and/or the temperature is transmitted from a memory unit (22) of the battery pack (12) and/or the battery charging device (10) to the control and/or regulating unit (18) by means of a communication unit (20), in particular a wireless communication unit.

IPC 8 full level

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