

Title (en)

METHOD FOR CHARGING AN ELECTROCHEMICAL ENERGY STORAGE DEVICE, A BATTERY MANAGEMENT SYSTEM, A BATTERY SYSTEM AND USE OF THE BATTERY SYSTEM

Title (de)

VERFAHREN ZUM LADEN EINES ELEKTROCHEMISCHEN ENERGIESPEICHERS, EIN BATTERIEMANAGEMENTSYSTEM, EIN BATTERIESYSTEM UND EINE VERWENDUNG DES BATTERIESYSTEMS

Title (fr)

PROCÉDÉ PERMETTANT DE CHARGER UN ACCUMULATEUR D'ÉNERGIE ÉLECTROCHIMIQUE, SYSTÈME DE GESTION DE BATTERIE, SYSTÈME DE BATTERIE ET UTILISATION DU SYSTÈME DE BATTERIE

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Application

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Abstract (en)

[origin: WO2018103936A1] The invention relates to a method (200) for charging an electrochemical energy storage device, particularly a battery, comprising the following steps: detecting (210) a first input signal; detecting (220) a second input signal; determining (240) an actual charging state of the electrochemical energy storage device; detecting (250) a starting temperature of the electrochemical energy storage device; determining (280) a temperature increase according to a predefined operating period and at least one other parameter; determining (290) an end temperature of the electrochemical energy storage device, the end temperature being the difference between a maximum authorised temperature of the electrochemical energy storage device and the temperature increase; generating (300) a charging signal according to the starting temperature of the electrochemical energy storage device, the end temperature of the electrochemical energy storage device, the first input signal, the second input signal and the actual charging state of the electrochemical energy storage device, the charging signal comprising a charging current; and controlling (310) a charging device by means of charging signals in order to charge the electrochemical energy storage device.

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