

Title (en)

METHOD FOR CONNECTING AT LEAST TWO BATTERIES IN PARALLEL AND SWITCHING APPARATUS

Title (de)

VERFAHREN ZUM PARALLELSCHALTEN VON ZUMINDEST ZWEI BATTERIEN UND SCHALTVORRICHTUNG

Title (fr)

PROCÉDÉ POUR LE MONTAGE EN PARALLÈLE D'AU MOINS DEUX BATTERIES ET DISPOSITIF DE COMMUTATION

Publication

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Application

EP 19761732 A 20190807

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Abstract (en)

[origin: WO2020038718A1] The invention relates to a method for connecting at least two batteries in parallel, wherein the first battery has a higher quiescent voltage than the second battery. In order to achieve an improved method for connecting at least two batteries with different quiescent voltages in parallel that can be used at least for smaller voltage differences and that manages without heavy, bulky components, it is proposed to influence the voltage of one of the batteries by virtue of a current load being applied to the first battery or a charging current being applied to the second battery for a prescribed pulse width so that the voltage of the first battery becomes lower than the voltage of the second battery within the pulse width. It is also proposed at least to reduce the current load or the charging current after the pulse width, wherein the voltage of the influenced battery relaxes and, when the voltage of the influenced battery has adjusted to the voltage of the other battery, to connect the batteries in parallel.

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See references of WO 2020038718A1

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