

Title (en)
METHOD AND MANAGEMENT SYSTEM FOR CONTROLLING AND MONITORING A PLURALITY OF BATTERY CELLS IN A BATTERY PACK,
AND BATTERY PACK

Title (de)
VERFAHREN UND MANagementsYSTEM ZUM STEuern UND ÜBERwACHEN VON MEHREREN BATTERIEZELLEN EINES
BATTERIEPACKS SOWIE BATTERIEPACK

Title (fr)
PROCÉDÉ ET SYSTÈME DE GESTION SERVANT À COMMANDER ET À SURVEILLER PLUSIEURS ÉLÉMENTS DE BATTERIE D'UN BLOC-
BATTERIE, ET BLOC-BATTERIE

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Application
EP 18830883 A 20181228

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Abstract (en)
[origin: WO2019134891A1] The invention relates to a method for controlling and monitoring a plurality of battery cells (2) in a battery pack (5), wherein: by means of at least one recording unit (20), a dataset of state variables from each battery cell (2) is recorded and transferred to a selection unit (32); by means of the selection unit (32), individual state variables from the plurality of state variable datasets are selected, which form a virtual dataset of state variables; by means of a simulation unit (34), a model of a virtual cell (8) is created from the selected state variables; and by means of a data-processing unit (36), a limit value for a charging current (I) for charging the battery cells (2) in the battery pack (5) is calculated from the selected state variables of the virtual cell (8).

IPC 8 full level
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CPC (source: EP KR US)
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