

Title (en)

DEVICE AND METHOD FOR CONTROLLING THE CONFIGURATION OF A MODULAR BATTERY IN ORDER TO AVOID DANGEROUS SITUATIONS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER KONFIGURATION EINER MODULAREN BATTERIE ZUR VERMEIDUNG GEFÄHRLICHER SITUATIONEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONTRÔLE DE LA CONFIGURATION D'UNE BATTERIE MODULAIRE POUR ÉVITER DES SITUATIONS DANGEREUSES

Publication

**EP 4292190 A1 20231220 (FR)**

Application

**EP 22702499 A 20220104**

Priority

- FR 2101204 A 20210209
- FR 2022050017 W 20220104

Abstract (en)

[origin: WO2022171938A1] A control device (DC) for controlling the configuration of a battery (BR) comprising modules (MS1-MS2) for storing electrical energy that are coupled to one another via main switches (CP1-CP5) that each receive a control signal defining a state in which it must be placed and each consuming a current. This device (DC) determines whether a combination of future states forms part of a set of forbidden combinations of states depending on the currents consumed by the main switches (CP1-CP5), on actual states in which the main switches (CP1-CP5) are placed and on control signals for the main switches (CP1-CP5), and if so determines for each of the main switches (CP1-CP5) a new control signal that modifies the combination of future states in order to make it non-dangerous.

IPC 8 full level

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