

Title (en)
ENERGY STORAGE MODULE HAVING ENERGY STORAGE CELLS CONNECTED VIA UNINSULATED CONDUCTOR PIECES AND/OR HAVING A COOLING SYSTEM, ENERGY STORAGE BLOCK AND METHOD FOR COOLING AN ENERGY STORAGE MODULE

Title (de)
ENERGIESPEICHERMODUL MIT ÜBER UNISOLIERTE LEITERSTÜCKE VERBUNDENEN ENERGIESPEICHERZELLEN UND/ODER EINEM KÜHLSYSTEM, ENERGIESPEICHERBLOCK UND VERFAHREN ZUM KÜHLEN EINES ENERGIESPEICHERMODULS

Title (fr)
MODULE D'ACCUMULATEUR D'& XC9;NERGIE POURVU D'& XC9;L& XC9;MENTS D'ACCUMULATEUR D'& XC9;NERGIE CONNECT& XC9;S & XC0; L'AIDE DE PI& XC8;CES CONDUCTRICES NON ISOL& XC9;ES ET / OU D'UN SYST& XC8;ME DE REFROIDISSEMENT, BLOC D'ACCUMULATEUR D'& XC9;NERGIE ET & X200B;& X200B;PROC& XC9;D& XC9; DE REFROIDISSEMENT D'UN MODULE D'ACCUMULATEUR D'& XC9;NERGIE

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Abstract (en)
[origin: WO2019149699A1] The invention relates to an energy storage module (1) for a vehicle drive system for supplying energy to an electric motor in a vehicle or for supplying energy to a unit, wherein a plurality of individual energy storage cells (2) are combined to form a battery (3), wherein at least some of the energy storage cells (2) are connected in an electrically conductive manner to a plurality of connecting boards (4), wherein the connecting boards (4) are prepared for contacting at least one electronic board (5), wherein an electrical connection of an energy storage cell (2) to at least one of the connecting boards (4) is realised by way of at least one uninsulated conductor piece (6) and/or cooling fluid conducting means are present which convey fluid used for cooling and for heat removal in a targeted manner past the energy storage cells (2) in the longitudinal direction of the energy storage cells, wherein a transfer of heat from the energy storage cells (2) to the fluid is nonetheless ensured. The invention also relates to a method for cooling an energy storage module (1) of this kind, wherein cooling fluid conducting means are used which convey fluid in a targeted manner past the energy storage cells (2) in the longitudinal direction of the energy storage cells in order to achieve cooling and heat removal, wherein a transfer of heat from the energy storage cells (2) to the fluid is nonetheless ensured.

IPC 8 full level
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