

Title (en)  
ENERGY STORAGE DEVICE HAVING A BATTERY CELL MODULE AND A COOLING DEVICE, PREFERABLY FOR AN AT LEAST PARTIALLY ELECTRICALLY DRIVEN VEHICLE, AND METHOD FOR PRODUCING THE ENERGY STORAGE DEVICE

Title (de)  
ENERGIESPEICHERVORRICHTUNG MIT EINEM BATTERIE-ZELLENMODUL UND EINER KÜHLVORRICHTUNG, VORZUGSWEISE FÜR EIN ZUMINDEST TEILWEISE ELEKTRISCH ANGETRIEBENES FAHRZEUG, UND VERFAHREN ZUR HERSTELLUNG DER ENERGIESPEICHERVORRICHTUNG

Title (fr)  
DISPOSITIF DE STOCKAGE D'ÉNERGIE COMPRENANT UN MODULE DE CELLULE DE BATTERIE ET UN DISPOSITIF DE REFROIDISSEMENT, DE PRÉFÉRENCE POUR UN VÉHICULE AU MOINS PARTIELLEMENT ÉLECTRIQUE, ET PROCÉDÉ DE FABRICATION DU DISPOSITIF DE STOCKAGE D'ÉNERGIE

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Abstract (en)  
[origin: WO2021233778A1] The invention relates to an energy storage device for storing electrical energy, preferably for an at least partially electrically driven vehicle. The invention further relates to a method for producing an energy storage device and to a vehicle, preferably a utility vehicle, or to a stationary device having such an energy storage device. The energy storage device (1) has a plurality of storage cells (3, 4, 5) arranged next to one another in a stack-like manner and a cooling device (6) for cooling the storage cells (3, 4, 5). The cooling device (6) has a cooling plate (7) through which a coolant can flow and which is arranged laterally, preferably on the bottom side, with respect to the storage cells (3, 4, 5). The invention is distinguished in that the cooling device further has at least one heat sink (8) through which the coolant can flow and which is arranged between two adjacent storage cells (3, 4, 5) for cooling side surfaces of the storage cells (3, 4, 5), is fluidically connected to the cooling plate (7) and is designed as a heat sink (8) with an elastic shell (9).

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