

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE TEMPERATURE OF A BATTERY ASSEMBLY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TEMPERIERUNG EINER BATTERIEANORDNUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉGULATION DE LA TEMPÉRATURE D'UN SYSTÈME DE BATTERIES

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Application

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Abstract (en)

[origin: WO2019034462A1] The invention relates to a method for controlling the temperature of a battery assembly, wherein the battery assembly is thermally coupled to an integrated sorption heat storage means. In a desorption phase of the sorption heat storage means, a heating of the sorption material occurs with a desorption of a fluid during a heat output of the battery assembly during an electrical discharging and/or electrical charging. A condensation of the fluid desorbed from the sorption material occurs in a condenser with a heat sink. An independent heating of the battery can be carried out with a resorption of the fluid in the sorption material. The invention also relates to a device for controlling the temperature of a battery assembly, comprising a sorption heat storage means that is thermally coupled to the battery assembly and having a fluid and a sorption material, wherein the battery assembly is designed as a heat source for thermally heating the sorption material contained in the sorption heat storage means for the desorption of the fluid, and wherein the sorption heat storage means is designed as a heat source for an independent heating of the battery via a resorption of the fluid in the sorption material.

IPC 8 full level

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See references of WO 2019034462A1

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