

Title (en)
ENERGY STORAGE SYSTEM

Title (de)
ENERGIESPEICHERSYSTEM

Title (fr)
SYSTÈME D'ACCUMULATION D'ÉNERGIE

Publication
EP 3688397 A1 20200805 (DE)

Application
EP 18789372 A 20181016

Priority
• DE 102017124030 A 20171016
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Abstract (en)
[origin: WO2019076897A1] The invention relates to an energy storage system for storing heat and coldness and for providing electrical energy, characterized by an energy converter, wherein the energy converter is designed to produce electrical energy from heat and coldness and to produce heat and coldness from electrical energy, the energy converter being in heat-transferring contact with a hot heat exchanger and with a cold heat exchanger, the hot heat exchanger being connected to a heat reservoir and the cold heat exchanger being connected to a coldness reservoir, and a control unit being provided, which operates the energy storage system in a first operating mode, in which heat and coldness are formed from electrical energy by means of the energy converter, and in a second operating mode, in which electrical energy is produced from heat and coldness.

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Citation (search report)
See references of WO 2019076897A1

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