

Title (en)  
HEAT ACCUMULATOR SYSTEM

Title (de)  
WÄRMESPEICHERSYSTEM

Title (fr)  
SYSTÈME ACCUMULATEUR DE CHALEUR

Publication  
**EP 3532789 A1 20190904 (DE)**

Application  
**EP 17794697 A 20171024**

Priority  
• DE 102016120664 A 20161028  
• EP 2017077102 W 20171024

Abstract (en)  
[origin: WO2018077842A1] The invention relates to a heat accumulator system (10) for accumulating thermal energy, comprising: a solid accumulator (12) having a plurality of accumulator blocks (14), which have outer faces (58) arranged with respect to each other, wherein the accumulator blocks (14) have at least one through-opening (16) arranged in the longitudinal direction and/or have at least one recess (18) formed in the longitudinal direction on the outer face (58) of the accumulator blocks and are arranged with respect to each other in such a way that at least one channel (20) having an inlet opening (22) and an outlet opening (24) arranged at a distance from the inlet opening (22) is formed by the recess (18) and/or the through-opening (16), a heat transfer medium, which is in direct contact with the channel (20) at least in sections, a charging circuit (32) having a first supply device (36) connected to the inlet opening (22) of the channel (20) for supplying thermally charged heat transfer medium and having a first removal device (38) connected to the outlet opening (24) for balancing out the supplied heat transfer medium, and/or a discharging circuit (34) having a second removal device (46) connected to the inlet opening (22) of the channel (20) for leading away the thermally charged heat transfer medium and having a second supply device (48) connected to the outlet opening (24) for balancing out the heat transfer medium that is led away.

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