

Title (en)
METHOD FOR CHARGING AND DISCHARGING A HEAT ACCUMULATOR AND SYSTEM FOR STORING AND RELEASING THERMAL ENERGY SUITABLE FOR SAID METHOD

Title (de)
VERFAHREN ZUM LADEN UND ENTLADEN EINES WÄRMESPEICHERS UND ANLAGE ZUR SPEICHERUNG UND ABGABE VON THERMISCHER ENERGIE, GEEIGNET FÜR DIESES VERFAHREN

Title (fr)
PROCÉDÉ DE CHARGE ET DE DÉCHARGE D'UN ACCUMULATEUR DE CHALEUR ET INSTALLATION PERMETTANT L'ACCUMULATION ET LA DISTRIBUTION D'ÉNERGIE THERMIQUE, ADAPTÉE AU PROCÉDÉ DE CHARGE ET DE DÉCHARGE D'UN ACCUMULATEUR DE CHALEUR

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Application
EP 13747819 A 20130802

Priority
• EP 12180397 A 20120814
• EP 2013066273 W 20130802
• EP 13747819 A 20130802

Abstract (en)
[origin: EP2698505A1] The method involves cooling a heat accumulator (11) by working fluids during a discharge cycle. An increase in pressure in the working fluids is produced before passing through the heat accumulator. The working fluids are removed after passing through the heat accumulator via a thermal energy fluid machine designed as an internal combustion engine. The working fluids are conveyed through two line systems (29) running in the heat accumulator such that the working fluids are removed through a high pressure part (HP) and a low pressure part (LP) of the thermal energy fluid machine. An independent claim is also included for a system for storing and releasing thermal energy.

IPC 8 full level
F01K 1/08 (2006.01); **F01K 13/00** (2006.01); **F22B 33/18** (2006.01)

CPC (source: EP US)
F01K 1/08 (2013.01 - EP US); **F01K 3/18** (2013.01 - US); **F01K 7/16** (2013.01 - US); **F01K 13/00** (2013.01 - EP US); **F01K 15/00** (2013.01 - US); **F22B 33/185** (2013.01 - EP US)

Citation (search report)
See references of WO 2014026863A2

Designated contracting state (EPC)
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