

Title (en)
INSTALLATION FOR STORING THERMAL ENERGY AND METHOD FOR THE OPERATION THEREOF

Title (de)
ANLAGE ZUR SPEICHERUNG THERMISCHER ENERGIE UND VERFAHREN ZU DEREN BETRIEB

Title (fr)
INSTALLATION DE STOCKAGE D'ÉNERGIE THERMIQUE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 2761142 A1 20140806 (DE)

Application
EP 12770061 A 20120926

Priority
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• EP 2012068902 W 20120926
• EP 12770061 A 20120926

Abstract (en)
[origin: EP2574739A1] The thermal energy storage plant has a working gas circuit comprising a thermal energy fluid machine (13), heat accumulator (14), a thermal energy fluid machine (15) and a cold storage device (16) that are connected to each other by a line (11) for the working gas. The thermal energy fluid machine is a working machine and the thermal energy fluid machine is a combustion engine when viewed in flow direction of the working gas from the heat accumulator to the thermal energy fluid machine. A low temperature heat accumulator is provided before the thermal energy fluid machine (13). Independent claims are included for the following: (1) a method for storage of thermal energy; and (2) a method for conversion of thermal energy.

IPC 8 full level
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See references of WO 2013045463A1

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