

Title (en)

SYSTEMS AND METHODS OF THERMAL ENERGY STORAGE AND RELEASE

Title (de)

SYSTEME UND VERFAHREN FÜR WÄRMEENERGIESPEICHERUNG UND -AUSGABE

Title (fr)

SYSTÈMES ET PROCÉDÉS DE STOCKAGE ET DE LIBÉRATION D'ÉNERGIE THERMIQUE

Publication

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Application

EP 10816244 A 20100913

Priority

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Abstract (en)

[origin: US2011061837A1] Systems and methods of energy storage and release comprise at least one storage vessel and a combined conveyor and heat transfer device linked to the at least one storage vessel by at least one discharge device. The combined conveyor and heat transfer device includes a rotatable conveyor drum and at least one heat transfer fluid conduit within the rotatable conveyor drum. A granular material travels from the at least one storage vessel to the combined conveyor and heat transfer device via the at least one discharge device, and the rotatable conveyor drum moves the granular material therethrough in counterflow to a flow of heat transfer fluid traveling through the heat transfer fluid conduit.

IPC 8 full level

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- [X1] JP S59108609 A 19840623 - MITSUBISHI HEAVY IND LTD
- See references of WO 2011032111A2

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