

Title (en)
ENERGY STORAGE VESSEL, SYSTEMS, AND METHODS

Title (de)
ENERGIESPEICHERGEFÄSS, -SYSTEME UND -VERFAHREN

Title (fr)
RÉCIPIENT DE STOCKAGE D'ÉNERGIE, SYSTÈMES ET PROCÉDÉS

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Application
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Abstract (en)
[origin: US2011226780A1] A vessel for a thermal energy storage system comprising a bottom wall joined to a surrounding side wall, and an inner liner disposed within the bottom wall and side wall and comprising an inner liner bottom and an inner liner side wall. One aspect of the inner liner bottom and side wall is that they are configured to repeatedly expand and contract during the thermal cycling of the storage system. A thermal energy storage system comprising the containment vessel and an array of heat exchangers is also disclosed. The heat exchangers are disposed in the vessel, and arranged so as to enclose a volume within the vessel. Each of the heat exchangers is suspended by a suspension assembly. The assembly may be comprised of a central support hanger, a spring loaded upper hanger, and a lower hanger.

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