

Title (en)  
TANK FOR STORING AND WITHDRAWING HYDROGEN AND/OR HEAT

Title (de)  
TANK ZUM SPEICHERN VON ZURÜCKWEICHENDEM WASSERSTOFF UND/ODER WÄRME

Title (fr)  
RÉSERVOIR DE STOCKAGE ET DE DÉSTOCKAGE D'HYDROGÈNE ET/OU DE CHALEUR

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Abstract (en)  
[origin: WO2011033192A1] The present invention relates to a tank for storing and withdrawing hydrogen by means of a reversible hydriding/dehydriding reaction, said tank consisting of a thermally insulated chamber that includes a plurality of elements (2) for storing hydrogen in the form of hydrides, each element having at least one surface for exchange with the gaseous hydrogen and at least one heat exchange surface, characterized in that it further comprises a plurality of heat storage elements (3) for preserving and releasing the heat that is associated with the reversible hydriding/dehydriding reaction.

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