

Title (en)

STORAGE SYSTEM FOR STORING A MEDIUM AND METHOD FOR LOADING A STORAGE SYSTEM WITH A STORAGE MEDIUM AND EMPTYING THE SAME THEREFROM

Title (de)

SPEICHERSYSTEM ZUM SPEICHERN EINES MEDIUMS SOWIE VERFAHREN ZUM BELADEN/ENTLADEN EINES SPEICHERSYSTEMS MIT EINEM SPEICHERMEDIUM

Title (fr)

SYSTEME DE STOCKAGE CONCU POUR STOCKER UN MILIEU ET PROCEDE POUR CHARGER/DECHARGER UN SYSTEME DE STOCKAGE AVEC UN MILIEU DE STOCKAGE

Publication

EP 1682815 A2 20060726 (DE)

Application

EP 04802672 A 20041104

Priority

- DE 2004002441 W 20041104
- DE 10351500 A 20031105

Abstract (en)

[origin: WO2005044454A2] The invention concerns, among other things, a storage system (40) for storing a medium, particularly an adsorption storage system for adsorbing a medium, comprising a storage vessel (10) inside of which a storage material (30) for storing, particularly for adsorbing a medium, is provided, and comprising a vessel connection (15) for loading/emptying the storage vessel (10). In order to be able to realize an efficient supply of energy and/or removal of energy, the invention provides that at least one circulation circuit (41) is provided for the storage medium by means of which a removal of energy and/or supply of energy ensues in the storage vessel (10). In addition, the storage medium serves as an energy carrier, and the storage vessel (10) is at least temporarily integrated in the circulation circuit (41). The invention also relates to a method for loading a storage system (40) with a storage medium and emptying the same therefrom.

IPC 8 full level

F17C 11/00 (2006.01); **B01J 20/28** (2006.01)

CPC (source: EP US)

B01J 20/20 (2013.01 - EP US); **F17C 11/005** (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP US)

Citation (search report)

See references of WO 2005044454A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 202004017036 U1 20050113; DE 102004053353 A1 20050609; DE 112004002629 D2 20061005; EP 1682815 A2 20060726; US 2008020250 A1 20080124; WO 2005044454 A2 20050519; WO 2005044454 A3 20050714

DOCDB simple family (application)

DE 202004017036 U 20041104; DE 102004053353 A 20041104; DE 112004002629 T 20041104; DE 2004002441 W 20041104; EP 04802672 A 20041104; US 57817207 A 20070419