

Title (en)

METHOD OF CHARGING A SORPTION STORE WITH A GAS

Title (de)

VERFAHREN ZUM LADEN EINES SORPTIONSSPEICHERS MIT EINEM GAS

Title (fr)

PROCÉDÉ PERMETTANT DE CHARGER UN ACCUMULATEUR À SORPTION AVEC UN GAZ

Publication

EP 2906869 A4 20160608 (EN)

Application

EP 13846003 A 20131008

Priority

- EP 12187765 A 20121009
- IB 2013059194 W 20131008
- EP 13846003 A 20131008

Abstract (en)

[origin: WO2014057416A1] Method of charging a sorption store with a gas, where the sorption store comprises a closed container (10) which is at least partly filled with an adsorption medium (40) and has an inlet (21) and an outlet (23) which can each be closed by a shut-off element (22, 24), which comprises the steps: (a) closing of the outlet shut-off element (24) and opening of the inlet shut-off element (22), (b) introduction of gas to be stored under a predetermined pressure through the inlet (21), (c) rapid opening of the outlet shut-off element (24) with the inlet shut-off element (22) open so that a gas flow having a predetermined flow rate is established in the container (10), (d) reduction of the flow rate as a function of the adsorption rate of the gas adsorbed in the store and (e) complete closing of the outlet shut-off element (24).

IPC 8 full level

F17C 5/06 (2006.01); **F17C 9/00** (2006.01); **F17C 11/00** (2006.01)

CPC (source: EP)

F17C 11/007 (2013.01)

Citation (search report)

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- [A] JP S63140200 A 19880611 - MITSUBISHI HEAVY IND LTD
- [A] JP S6060399 A 19850406 - TOSHIBA KK
- [A] EP 1790904 A1 20070530 - HONDA MOTOR CO LTD [JP]
- See references of WO 2014057416A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014057416 A1 20140417; AR 092966 A1 20150506; BR 112015005914 A2 20171010; CN 104704282 A 20150610; EP 2906869 A1 20150819; EP 2906869 A4 20160608; JP 2015531465 A 20151102; KR 20150067183 A 20150617

DOCDB simple family (application)

IB 2013059194 W 20131008; AR P130103673 A 20131009; BR 112015005914 A 20131008; CN 201380051044 A 20131008; EP 13846003 A 20131008; JP 2015536259 A 20131008; KR 20157009014 A 20131008