

Title (en)

METHOD OF CHARGING SORPTION STORE WITH A GAS

Title (de)

VERFAHREN ZUM LADEN EINES SORPTIONSSPEICHERS MIT EINEM GAS

Title (fr)

PROCÉDÉ DE CHARGEMENT D'UN ACCUMULATEUR DE SORPTION AVEC UN GAZ

Publication

**EP 2906868 A4 20160824 (EN)**

Application

**EP 13845747 A 20130927**

Priority

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Abstract (en)

[origin: WO2014057382A1] Method of charging a sorption store with a gas, wherein the sorption store comprises a closed container (10) and a feed device which has a passage (21) through the container wall, through which the gas can flow into the container, and the container has at least two parallel, channel-shaped subchambers (30,31,32,33) which are located in its interior and are each at least partly filled with an adsorption medium (40) and whose channel walls are coolable, wherein, in a first step, gas is fed in in such an amount that a pressure in the store of at least 30% of a predetermined final pressure is reached as quickly as possible and in a second step, the amount of gas fed in is subsequently varied in such a way that the course of the pressure in the store approximates the adsorption kinetics of the adsorption medium (40) until the predetermined final pressure in the store is reached after a predetermined period of time.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X1] US 2002100369 A1 20020801 - KURIWA TAKAHIRO [JP], et al
- [X1] US 2003160054 A1 20030828 - STETSON NED [US], et al
- [A] WO 2009071436 A1 20090611 - BOSCH GMBH ROBERT [DE], et al
- See references of WO 2014057382A1

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