

## Title (en)

ADSORPTION REFRIGERATION DEVICE, ARRANGEMENT AND MOTOR VEHICLE

## Title (de)

ADSORPTIONSKÄLTEMASCHINE, ANORDNUNG UND KRAFTFAHRZEUG

## Title (fr)

MACHINE FRIGORIFIQUE À ADSORPTION, ENSEMBLE ET VÉHICULE AUTOMOBILE

## Publication

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## Application

**EP 14815586 A 20141105**

## Priority

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- EP 2014073839 W 20141105

## Abstract (en)

[origin: WO2015090716A1] The invention relates to an adsorption refrigeration device (1) having at least one first chamber (3) comprising an adsorber/desorber material (7), and having at least one second chamber (5) comprising an evaporator/condenser device (9), wherein the first chamber (3) and the second chamber (5) are in fluid connection with one another via a pipeline (11), and wherein a valve device (13) is arranged in the pipeline (11), by means of which valve device the fluid connection between the first chamber (3) and the second chamber (5) can be blocked in a first functional position and opened in a second functional position. According to the invention, the valve device (13) has a valve element (15) of variable diameter, wherein the valve element (15) is formed in such a way that, in the first functional position, it has a first diameter, by means of which it fills an internal cross section of the pipeline (11) with tight contact with an inner wall (25) of the pipeline (11), wherein, in the second functional position, it has a second diameter which is smaller than the first diameter, such that a gap (33) is opened between the inner wall (25) of the pipeline (11) and the valve element (15).

## IPC 8 full level

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## Citation (search report)

See references of WO 2015090716A1

## Citation (examination)

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