

Title (en)  
HEAT EXCHANGER AND ADSORPTION MACHINE

Title (de)  
WÄRMEÜBERTRAGER UND ADSORPTIONSMASCHINE

Title (fr)  
ÉCHANGEUR DE CHALEUR ET MACHINE D'ADSORPTION

Publication  
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Application  
**EP 20824920 A 20201210**

Priority  
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Abstract (en)  
[origin: WO2021122327A1] The invention relates to a heat exchanger (10) of an adsorption machine, comprising - at least two heat transport pipes (15) and/or heat transport pipe sections, which are arranged at a distance (A) with respect to one another in such a way as to form at least one interspace, which is designed as a steam flow duct (18), - and pipe attachments (20) connected to the heat transport pipes (15) and/or heat transport pipe sections. According to the invention, the pipe attachments (20) are arranged in the interspace and designed as a substrate for a directly applied, binder-free active material coating (25), wherein the heat transfer grid (50) consisting of the coated pipe attachments (20) together with the heat transport pipes (15) and/or heat transport pipe sections has a steam-side outer surface of 500 – 3600 m<sup>2</sup>/m<sup>3</sup>.

IPC 8 full level  
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