

ADSORPTION HEAT EXCHANGER

ABSTRACT

5 An adsorption heat exchanger (20) includes a base sheet (26) and an adsorbent (41) supported on the base sheet (26) by using a binder (42). The adsorption heat exchanger (20) satisfies at least one of a first condition in which amounts of the binder (42) and the adsorbent (41) supported after immersing the base sheet (26) with the adsorbent (41) in 10% aqueous nitric acid solution for 40 hours at an environment temperature of 70°C are 32% to 100% of
10 those before the immersion, or a second condition in which amounts of the binder (42) and the adsorbent (41) supported after alternately exposing to a dry state at an environment temperature of 70°C and a humidity of 20% and a wet state with water spraying over the adsorption heat exchanger (26), a total of 5000 times are 90% to 100% of those before the exposure.

15
Figure 5