

Title (en)

DEVICE FOR THE EXTRACTION OF WATER FROM ATMOSPHERIC AIR

Title (de)

VORRICHTUNG ZUR GEWINNUNG VON WASSER AUS ATMOSPHERISCHER LUFT

Title (fr)

DISPOSITIF SERVANT A EXTRAIRE L'EAU CONTENUE DANS L'AIR ATMOSPHERIQUE

Publication

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Application

EP 04738571 A 20040526

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Abstract (en)

[origin: WO2004106649A1] The invention relates to a device for the extraction of water from atmospheric air (8), with a flowing adsorbent or absorbent, in particular a saline solution (3), comprising a hygroscopic salt for the adsorption or absorption of the water, whereby the adsorption or absorption occurs along an adsorption or absorption path (7). A reduction in the assembly requirements and an increased yield of (potable) water per volume unit of the construction or absorbent/adsorbent (3) can be achieved, whereby the flowing adsorbent (3, 13) or absorbent (3, 13) is arranged, at least along the adsorption or absorption path (7), essentially on a guide element (1, 16, 19, 22, 24) for guiding the adsorbent (3) or absorbent (3) particularly along a given track.

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See references of WO 2004106649A1

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