

Title (en)

METHOD AND APPARATUS FOR CONDENSING WATER FROM AMBIENT AIR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONDENSATION VON WASSER AUS DER UMGEBUNGSLUFT

Title (fr)

PROCEDE ET APPAREIL POUR CONDENSER DE L'EAU A PARTIR DE L'AIR AMBIANT

Publication

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Application

EP 04761167 A 20040820

Priority

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Abstract (en)

[origin: WO2005019542A1] There is provided methods and apparatus (2) for collecting water from ambient air. The apparatus has at least one condensation surface which is cooled to, or below, the dew point of the ambient air. The cooling of the condensation surface is effected by utilising a gas to reduce the partial pressure of refrigerant vapour to effect evaporation of liquid refrigerant. Water in ambient air that contacts the cooled condensation surface condenses and is collected. There is also provided apparatus for effecting cooling and/or heating.

IPC 1-7

E03B 3/28; **B01D 5/00**

IPC 8 full level

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