

Title (en)

DEVICE FOR EXTRACTING WATER FROM THE AIR, AND SYSTEM AND MACHINE FOR THE PRODUCTION OF DRINKING WATER

Title (de)

VORRICHTUNG ZUR EXTRAKTION VON WASSER AUS DER LUFT SOWIE SYSTEM UND MASCHINE ZUR HERSTELLUNG VON TRINKWASSER

Title (fr)

DISPOSITIF D'EXTRACTION D'EAU CONTENUE DANS L'AIR, SYSTEME ET MACHINE DE PRODUCTION D'EAU POTABLE

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Application

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Abstract (en)

[origin: WO2011117841A1] The invention relates to a device (30) for extracting water contained in the air by means of condensation, said device (30) comprising: a fan (28) for creating an air flow; a heat transfer fluid evaporator (32) for condensing the water in the air flow created by the fan (28); and a compressor (34) for compressing the heat transfer fluid evaporated by the evaporator (32), which compressor (34) is placed in the air flow downstream of the evaporator (32). The invention also relates to a system for producing drinking water from the air, comprising the aforementioned water extraction device (30). The invention further relates to a machine for producing drinking water from the air, comprising the aforementioned system. The invention can be used to produce water from the air, with an improved performance.

IPC 8 full level

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