

Title (en)

APPARATUS AND METHOD FOR PRODUCING POTABLE WATER BY EVAPORATION AND CONDENSATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON TRINKWASSER DURCH VERDAMPFUNG UND KONDENSATION

Title (fr)

APPAREIL ET PROCÉDÉ DE PRODUCTION D'EAU POTABLE PAR ÉVAPORATION ET CONDENSATION

Publication

**EP 3580175 A1 20191218 (EN)**

Application

**EP 18709802 A 20180212**

Priority

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- IT 2018050018 W 20180212

Abstract (en)

[origin: WO2018146711A1] Apparatus to make water drinkable, comprising at least a tank (12) of water (A) to be made drinkable, heated by means of a fluid that flows in at least a heating circuit (27), and at least a condensation unit (16, 16'), configured to receive humid air exiting from said tank (12) and to produce drinkable water (B); the apparatus comprises at least a mixer device (31, 31') associated with the heating circuit (27) of the water (A) to be made drinkable, with at least a primary heat generator (36, 45) and with at least a secondary heat generator (37), comprising a circuit (38, 39) in which the heating fluid flows; the mixer device (31, 31') is configured to transfer and maximize the heat made available by the primary (36, 45) and secondary (37) heat generators, keeping the temperature of the fluid in the circuit (38, 39) of the secondary heat generator (37) or in said heating circuit (27) at an optimal value.

IPC 8 full level

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Citation (search report)

See references of WO 2018146711A1

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