

Title (en)

AIR CONDITIONER FOR HUMIDIFYING ROOM AIR WITH MINERALIZED WATER

Title (de)

KLIMAGERÄT ZUR BEFEUCHTUNG VON RAUMLUFT MIT MINERALISIERTEM WASSER

Title (fr)

CLIMATISEUR POUR HUMIDIFIER DE L'AIR AMBIANT AVEC DE L'EAU MINÉRALISÉE

Publication

**EP 3497375 B1 20231115 (DE)**

Application

**EP 17758451 A 20170811**

Priority

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- EP 2017070437 W 20170811

Abstract (en)

[origin: WO2018029343A1] The invention relates to a maritime air conditioner serving to humidify room air using mineralized water, in particular water containing sea salt. The maritime air conditioner comprises an air inlet, a fan arranged on the air inlet for generating an air stream, a water reservoir that is open to the top, and a humidification device, through which the air stream can flow and which is arranged in the direction of flow. The humidification device is designed as an evaporator block having a capillary effect and having flow openings, which evaporator block immerses into the water reservoir. A substantially higher evaporation performance can be thus achieved than by means of conventional devices. The air stream produced by the fan can also be directed or guided within the device such that at least one part of the air stream meets the water surface of the water received in the water reservoir, causing the water to move. A continuous circulation of the water reserve located in the water reservoir can be thus achieved without requiring a water pump.

IPC 8 full level

**F24F 6/04** (2006.01)

CPC (source: EP)

**F24F 6/043** (2013.01)

Citation (examination)

- JP S5413141 A 19790131 - SUGIMOTO SHIYUNICHI, et al
- CN 104969008 A 20151007 - PANASONIC IP MAN CO LTD

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DOCDB simple family (publication)

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