

Title (en)

DEVICE AND METHOD FOR CONDITIONING AN AIR FLOW

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KONDITIONIERUNG EINES LUFTSTROMS

Title (fr)

DISPOSITIF ET PROCEDE DE CLIMATISATION D'UN COURANT D'AIR

Publication

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Application

EP 10785346 A 20101123

Priority

- DE 102010006889 A 20100205
- EP 2010007084 W 20101123

Abstract (en)

[origin: CA2789016A1] The invention relates to a device for conditioning an air flow (2) comprising a humidifying apparatus (5) having humidifying elements (6), which are arranged in the air flow (2) to be humidified in the humidifying apparatus (5), can be loaded with pressurized water, and are made of a fluid-permeable, porous, preferably hydrophilic material. In order to increase the efficiency of the humidification of the air flow (2) in the humidifying apparatus (5), the humidifying elements (6) of the humidifying apparatus (5) loaded with pressurized water are designed with regard to the cross-section thereof in such a way that the peripheral surface or outer surface of the humidifying elements exposed to the air flow (2) to be humidified can be uniformly contacted by the air flow (2) to be humidified over the entire circumference of the humidifying elements.

IPC 8 full level

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CPC (source: EP US)

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