

Title (en)
HUMIDITY CONTROL OF AN ELECTRICAL DEVICE

Title (de)
FEUCHTIGKEITSSTEUERUNG EINES ELEKTRISCHEN GERÄTS

Title (fr)
RÉGULATION D'HUMIDITÉ D'UN DISPOSITIF ÉLECTRIQUE

Publication
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Application
EP 06806743 A 20060901

Priority
EP 2006065920 W 20060901

Abstract (en)
[origin: WO2008025377A1] The invention relates to a device 2 and a method for dehumidifying and control of humidity inside an enclosure 1 comprising electrical equipment. The device 2 comprises a heating element 3 located to be in contact with the ambient air of the exterior of the enclosure 1 and a cooling element 4 located to be in contact with the ambient air of the interior of the enclosure 1. Dew condensed at the cooling element 4 is guided to the heating element 3 so that humidity from the air, condensed at the cooling element 4, may be transported to the heating element 3 to be vaporised wherein the water guiding means comprises a capillary structure 6. In still another aspect of the invention, the functionality of the heating and cooling elements may be switched so as to reverse the flow of water and provide a humidity control arrangement.

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