

Title (en)  
HIGH-VOLTAGE DEVICE AND METHOD FOR ASCERTAINING THE RISK OF CONDENSATION IN ENCLOSURES IN SUCH A HIGH-VOLTAGE DEVICE

Title (de)  
HOCHSPANNUNGSGERÄT UND VERFAHREN ZUM ERMITTELN DES BETAUUNGSRISIKOS IN SCHRÄNKEN IN EINEM SOLCHEN HOCHSPANNUNGSGERÄT

Title (fr)  
APPAREIL HAUTE TENSION ET PROCÉDÉ DE DÉTERMINATION DU RISQUE DE CONDENSATION DANS DES ARMOIRES DANS UN TEL APPAREIL HAUTE TENSION

Publication  
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Application  
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Abstract (en)  
[origin: WO2020193069A1] The invention relates to a method for ascertaining the risk of condensation in an enclosure (6) of a high-voltage device (20), wherein - the interior temperature in the enclosure (6) is ascertained using an interior temperature sensor (10) arranged in the enclosure (6), thereby obtaining interior temperature values TI, - the exterior temperature of the enclosure is ascertained using an exterior temperature sensor (15) arranged outside of the enclosure, thereby obtaining exterior temperature values TA, - the interior temperature values TI and the exterior temperature TA values are transmitted to a data processing unit (16), - the data processing unit (16) ascertains a temperature difference value TD by calculating the difference between the interior temperature value TI and the exterior temperature values TA based on  $TD = TI - TA$ , wherein the data processing unit (16) generates a warning signal (18) if the temperature difference value TD lies below 3 °C. The invention additionally relates to a high-voltage device (20) which is designed to carry out the method according to the invention.

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