

Title (en)

OVERVOLTAGE PROTECTION DEVICE AND USE OF AN OVERVOLTAGE PROTECTION DEVICE

Title (de)

ÜBERSpannungSSCHUTZEINRICHTUNG SOWIE VERWENDUNG EINER ÜBERSpannungSSCHUTZEINRICHTUNG

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS ET UTILISATION D'UN DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS

Publication

**EP 4282047 A1 20231129 (DE)**

Application

**EP 22702654 A 20220125**

Priority

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Abstract (en)

[origin: WO2022157378A1] The invention relates to an overvoltage protection device (10) to protect an electrical system from transient overvoltages, having a voltage-limiting protection component (18) and also a voltage-switching protection component (20). The voltage-limiting protection component (18) and the voltage-switching protection component (20) are connected in series. The voltage-limiting protection component (18) is rated such that the voltage-limiting protection component (18) satisfies the condition  $U_B = U_N / K_X$ , wherein  $U_B$  is the rated voltage of the voltage-limiting protection component (18),  $U_N$  is a nominal voltage across the voltage-limiting protection component (18), and  $K_X$  is an adjustment parameter, the value of which is at least 2.

IPC 8 full level

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