

Title (en)

CORONA SHIELDING STRIP FOR A HIGH-VOLTAGE ROTATING ELECTRIC MACHINE, USE THEREOF, AND ELECTRIC MACHINE

Title (de)

GLIMMSCHUTZBAND FÜR ROTIERENDE ELEKTRISCHE HOCHSPANNUNGSMASCHINE, VERWENDUNG DAZU UND ELEKTRISCHE MASCHINE

Title (fr)

BANDE DE PROTECTION ANTI-EFFLUVES D'UNE MACHINE ÉLECTRIQUE TOURNANTE À HAUTE TENSION, SON UTILISATION, ET MACHINE ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2022096429A1] The invention relates to a corona shielding strip, in particular a reactive corona shielding strip, for a high-voltage rotating electric machine, comprising an insulation system that can be produced by means of a vacuum pressure impregnation (VPI) process, wherein, owing to concerns about the sensitising effect of anhydrides on the respiratory tract, the impregnation agent for impregnating the corona shielding strip in the VPI process is preferably anhydride-free. Based on the new generation of insulation systems, which can be produced by impregnation with anhydride-free impregnation agents, the present invention discloses for the first time a corona shielding strip in which a strip accelerator that initiates homopolymerisation quickly can be placed. The strip accelerator is in the form of a salt of a superacid and is storage-stable for up to 6 months in a corona shielding strip that contains, at least in part, polyvinyl alcohol as a polymer matrix.

IPC 8 full level

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