

Title (en)

INSULATING SYSTEM MADE OF SOLID INSULATING MATERIAL AND IMPREGNATING RESIN

Title (de)

ISOLATIONSSYSTEM AUS FESTEM ISOLATIONSSTOFF UND IMPRÄGNIERHARZ

Title (fr)

SYSTÈME D'ISOLATION CONSTITUÉ D'UN MATÉRIAU ISOLANT SOLIDE ET D'UNE RÉSINE D'IMPRÉGNATION

Publication

**EP 4150647 A1 20230322 (DE)**

Application

**EP 21746360 A 20210707**

Priority

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Abstract (en)

[origin: WO2022013036A1] The invention relates generally to the field of insulating electrical conductors against partial discharge in the medium- and high-voltage ranges. In particular, the invention relates to an insulating system for an electric machine, in particular a rotating electric machine such as an electric motor and/or a generator. The invention provides for the first time a substitute for the conventionally used mica as a barrier material in an insulating system, such as the main insulation of rotating electric machines such as motors and/or generators. The substitute is based on a polyether-imide/siloxane copolymer, which can be processed two-dimensionally, for example by surface extrusion. In this way, sheets are produced and, after being processed in sheet form or as a laminate, can be used as planar insulating materials, or cut as strips, in insulating systems.

IPC 8 full level

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Citation (search report)

See references of WO 2022013036A1

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