

Title (en)
INSULATING UNIT FOR AN ELECTRICAL MACHINE

Title (de)
ISOLIEREINHEIT FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)
UNITÉ D'ISOLATION CONÇUE POUR UN MOTEUR ÉLECTRIQUE

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Application
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Abstract (en)
[origin: WO2020064869A1] The present invention relates to an insulating unit (1) for an electrical machine with a hairpin winding, wherein the hairpin winding has a plurality of connection pins (6) for electrical connection to an interconnection (8) and also a large number of welded hairpin ends (7) which form pairs of contacts, wherein the insulating unit (1) has a main body (2) which contains an insulating material and extends at least over a portion of the circumference of the hairpin winding, characterized in that the main body (2) has continuous openings (3) which extend in the axial direction, and in that each opening (3) is associated with one hairpin end (7) or one connection pin (6). The invention further relates to an electrical machine comprising an insulating unit (1) of this kind and to a method for producing an electrical machine of this kind.

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