

Title (en)

WINDING SCHEME FOR AN ELECTRIC MACHINE

Title (de)

WICKELSCHEMA FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

SYSTÈME D'ENROULEMENT POUR UNE MACHINE ÉLECTRIQUE

Publication

EP 4038726 A1 20220810 (DE)

Application

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Priority

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Abstract (en)

[origin: WO2021063802A1] The invention relates to a shaft winding for an electric machine, wherein at least a number of coil strands corresponding to the number of holes q is provided connected in parallel, with each part strand being formed by a plurality of hairpins (6, 6'), characterized in that two different variants of hairpins (6, 6') are provided, in that in a first variant of the hairpins (6) the turning area W between the conductor elements has a winding step WK reduced by one, that is to say $WK = WS - 1$, in that in a second variant of the hairpins (6') the turning area W has an extended winding step WL, which is greater by the number of holes q than the reduced winding step WK, that is to say $WL = WK + q$, and in that in all variants of the hairpins (6, 6') the contact areas K are each deformed by half of the standard winding step WS in the direction opposite to the turning area W. The invention further relates to an electric machine with a shaft winding of this kind.

IPC 8 full level

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Citation (search report)

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