

Title (en)

WINDING BASED ON A TYPOLOGY OF A MAGNET-BASED SYNCHRONOUS ROTATING ELECTRIC MACHINE FOR SELF-PROPELLED MOBILE DEVICE

Title (de)

WICKLUNG AUF DER BASIS EINER TYPOLOGIE EINER MAGNETISCHEN SYNCHRONEN ROTIERENDEN ELEKTRISCHEN MASCHINE FÜR EIN SELBSTFAHRENDES MOBILES GERÄT

Title (fr)

BOBINAGE EN FONCTION D'UNE TYPOLOGIE D'UNE MACHINE ÉLECTRIQUE TOURNANTE SYNCHRONE À AIMANT POUR DISPOSITIF MOBILE À AUTOPROPULSION

Publication

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Application

**EP 22727921 A 20220506**

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Abstract (en)

[origin: WO2022238256A1] One aspect of the invention relates to a permanent-magnet-based synchronous rotating electric machine (1, 2, 3, 4, 5, 6) for a self-propelled mobile device comprising a stator comprising slots and a winding comprising at least three phases, wherein the winding is of the type such that the number of turns N in the stator per phase is equal to the number of conductors in a slot, multiplied by the number P of pole pairs multiplied by the number of slots per pole and per phase, all divided by the number of parallel electrical paths of the conductors in a slot and/or divided by the square root of three if the winding is delta-connected, characterized in that the number of turns N per phase in the stator is between 9 and 20.

IPC 8 full level

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