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**REUTER**(10) **Pub. No.: US 2022/0360128 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **WINDING SCHEME FOR AN ELECTRIC MACHINE****Publication Classification**(71) Applicant: **ZF FRIEDRICHSHAFEN AG,**  
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(57) **ABSTRACT**

A wave winding for an electric machine in which a quantity of coil strands are provided connected in parallel. Each partial strand is a plurality of hairpins. Two different variants of hairpins are provided. A first variant in the turn region W has a winding step WK between the conductor elements which is shortened by one and in a second variant of the hairpins the turn region has a lengthened winding step that is greater than the shortened winding step. In all of the variants of the hairpins the contact regions are deformed by one half of the standard winding step in direction opposite the turn region

