

Title (en)
SPRING ELEMENT FOR MECHANICALLY FIXING MAGNETS IN A ROTOR

Title (de)
FEDERELEMENT ZUR MECHANISCHEN FIXIERUNG VON MAGNETEN IN EINEM ROTOR

Title (fr)
ÉLÉMENT ÉLASTIQUE POUR FIXER MÉCANIQUEMENT DES AIMANTS DANS UN ROTOR

Publication
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Application
EP 11744022 A 20110816

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Abstract (en)
[origin: WO2012022731A2] The invention relates to a rotor or stator for an electric machine, in particular a spoke rotor which is arranged concentrically about a rotational axis and comprises a permanent magnet which is arranged in a recess of the rotor or stator. A spring strand for fixing the permanent magnet in the recess is provided in the rotor or stator, said spring strand comprising a holding ring and fixing means which are arranged on the holding ring. Said holding ring is arranged concentric about the rotational axis, and the fixing means extend in the axial direction of the rotor or stator into the recess. The holding ring is annular and the fixing means lie at least partially directly on the permanent magnets. The invention also relates to an electric machine comprising the claimed rotor. The invention further relates to a hand-held machine comprising a motor having a rotor or stator of the above-mentioned type.

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