

Title (en)

ROTOR FOR AN ELECTROMAGNETIC MOTOR OR GENERATOR WITH TAPERED BRANCHES

Title (de)

ROTOR FÜR EINEN ELEKTROMAGNETISCHEN MOTOR ODER GENERATOR MIT VERJÜNGTEN ZWEIGEN

Title (fr)

ROTOR POUR MOTEUR OU GÉNÉRATRICE ÉLECTROMAGNÉTIQUE AVEC BRANCHES EFFILÉES

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Application

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Abstract (en)

[origin: WO2019243996A1] The invention relates to a rotor (1) of an electromagnetic motor or generator having a body comprising an inner hub (2) which is concentric to a central axis (7) of rotation of the rotor (1), branches (3) extending radially with respect to the central axis (7) of rotation from the inner hub (2) towards a hoop (8) forming a circular outer periphery of the rotor (1), at least one magnet (10) being housed in each space delimited between two adjacent branches (3), each having a width which decreases with distance from the inner hub (2) and terminates by a tapered tip (3b) against the hoop (8). Each magnet is in the form of a magnet structure (10) consisting of a plurality of individual magnets (4) which are secured together by a fiber-reinforced insulating material, each individual magnet (4) being elongated in shape by extending in the axial direction of the rotor (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019243996A1

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