

Title (en)
PERMANENT MAGNET ROTOR, AND ROTATING MACHINE COMPRISING SUCH A ROTOR

Title (de)
PERMANENTMAGNETROTOR UND EINEN SOLCHEN ROTOR UMFASSENDE DREHMASCHINE

Title (fr)
ROTOR A AIMANTS PERMANENTS ET MACHINE TOURNANTE COMPORTANTE UN TEL ROTOR

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Application
EP 09766073 A 20090615

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Abstract (en)
[origin: WO2009153511A2] The present invention relates to a rotor (1) for rotating an electric machine having permanent magnets (7) and flux concentration, comprising: a shaft (2) extending along the rotational axis (X) of the rotor (1), a rotor body (3) placed on the shaft (2), the rotor body (3) comprising: - a central opening (4) for the mounting thereof on the shaft (2); - radially oriented recesses (5) wherein the permanent magnets (7) are placed; and in at least one angular space (40) separating two consecutive recesses (5), at least one cavity (6) leading neither to the central opening (4) nor to the two consecutive recesses (5), said cavity or cavities (6) located in said space occupying an angular area (a) around the rotational axis (X) of the rotor (1) greater than or equal to half of the angular area (β) of said space (40).

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