

Title (en)

ROTOR SEGMENT, MAGNET COVER, ROTOR, GENERATOR, WIND TURBINE AND MOLDING DEVICE AND METHOD FOR PRODUCING A ROTOR SEGMENT

Title (de)

ROTORSEGMENT, MAGNETABDECKUNG, ROTOR, GENERATOR, WINDENERGIEANLAGE SOWIE FORMVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES ROTORSEGMENTS

Title (fr)

SEGMENT DE ROTOR, COUVERCLE MAGNÉTIQUE, ROTOR, GÉNÉRATEUR, ÉOLIENNE ET DISPOSITIF DE MOULAGE ET PROCÉDÉ DE FABRICATION D'UN SEGMENT DE ROTOR

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Application

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Abstract (en)

[origin: WO2022258380A2] The invention relates to a rotor segment (200) of a rotor (121) of a generator (1), in particular a segmented rotor (121) of a segmented generator (1), for a wind turbine (100), comprising: a magnet carrier segment (210) having an annular or partially annular geometry, wherein the magnet carrier segment (210) extends in a radial direction (R) between a radially outer magnet carrier outer face (211) and a magnet carrier inner face (212) which is located radially inwards in relation to the magnet carrier outer face; and at least one rotor laminated core (220) which is designed to receive at least one magnet unit (230), wherein the at least one rotor laminated core (220) extends in the radial direction (R) between a radially outer laminated core outer face (221) and a laminated core inner face (222) which is located radially inwards in relation to the laminated core outer face; characterized in that a connecting element (240) is located between the magnet carrier segment (210) and the at least one rotor laminated core (220), which connecting element is in the form of a cast part and/or foamed part and is connected to the laminated core outer face (221) of the at least one rotor laminated core (220) and to the magnet carrier inner face (212) of the magnet carrier segment (210).

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