

Title (en)

DISC ROTOR- AND AXIAL FLUX-TYPE ROTATING ELECTRIC MACHINE

Title (de)

ROTIERENDE ELEKTRISCHE MASCHINE IN SCHEIBENLÄUFER- UND AXIALFLUSSBAUWEISE

Title (fr)

MACHINE ÉLECTRIQUE ROTATIVE DE TYPE À ROTORS À DISQUES ET À FLUX AXIAL

Publication

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Application

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Priority

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Abstract (en)

[origin: CA2977855A1] The aim of the invention is to provide a simple winding structure on the stator of an axial flux machine and to simultaneously minimize the otherwise normal use of material by means of additional structural measures. The disc rotor- and axial flux-type rotating electric machine consists of at least of two disc-shaped rotors (1) equipped with permanent magnets. A stator (2) with axially arranged coils (4) is located between the rotors (1), and the coils (4) correspond to the permanent magnets (3) of the rotors (1). A shaft (5) is mounted on the stator (2), and the shaft (5) can additionally be mounted on stator discs (6) lying outside of the rotors (1). The rotors are secured to the shaft (5), and the stator (2) or the stator discs (6) are secured to a base or a housing (9).

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (search report)

See references of WO 2016134702A1

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