

Title (en)

CLAW ROTOR COMPRISING INTER-CLAW MAGNETIC ELEMENTS FOR A ROTATING ELECTRIC MACHINE

Title (de)

KLAUENLÄUFER MIT ZWISCHENKLAUENMAGNETELEMEN TEN FÜR EINE ELEKTRISCHE DREHMASCHINE

Title (fr)

ROTOR A GRIFFES COMPORTANT DES ELEMENTS MAGNETIQUES INTER-GRIFFE POUR MACHINE ELECTRIQUE TOURNANTE

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Application

EP 19745130 A 20190725

Priority

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- EP 2019070002 W 20190725

Abstract (en)

[origin: WO2020020993A1] The present invention provides a rotor for a rotating electric machine having an axis of rotation and comprising two polar wheels (31), each formed by a plate (32) extending radially and a plurality of claws (33) extending axially, each claw of a polar wheel extending in a space formed between two adjacent claws of the other polar wheel and having an inner surface (42) arranged to face the axis and an outer surface (43) radially opposed to the inner surface; at least one magnetic element (37) arranged between two successive claws each belonging to one of the polar wheels (31); and at least one frame (39) arranged against an outer face (44) of the magnetic element. The rotor comprises an insulating layer (41) extending at least in and/or through the frame so as to form a stiffening block (38), and over an outer surface of at least one claw.

IPC 8 full level

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