

Title (en)

ROTARY ELECTRIC MACHINE FOR TRANSMISSION SYSTEM

Title (de)

ELEKTRISCHE DREHMASCHINE FÜR EIN ÜBERTRAGUNGSSYSTEM

Title (fr)

MACHINE ÉLECTRIQUE TOURNANTE POUR SYSTÈME DE TRANSMISSION

Publication

**EP 4305738 A1 20240117 (EN)**

Application

**EP 21714300 A 20210312**

Priority

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Abstract (en)

[origin: WO2022188139A1] The invention relates to a rotary electric machine (1) able to be fixed to a transmission system, notably to a gearbox, the rotary electric machine (1) having an axis of rotation (A) and comprising: -a stator (2), -a shaft (4) comprising a first end (37), the first end (37) being free and comprising a driving element (13) able to drive a rotary element of the transmission system, -a rotor (3), the rotor being fixed to the shaft (4), -a casing (41) in which the stator (3) is fixed and comprising a first bracket (6) and a second bracket (5), -a first bearing (12), notably a first rolling bearing, mounted in the first bracket (6) and guiding the rotation of the shaft (4), -a second bearing (11), notably a second rolling bearing, mounted in the second bracket (5) and guiding the rotation of the shaft (4), -a first seal (14), distinct from the first bearing (12), the first seal (14) contributing to sealing between the first bracket (6) and the shaft (4), wherein the shaft (4) comprises a sealing land (42) axially between the first bearing (12) and the rotor (3), the first seal (14) being in contact with the sealing land (42).

IPC 8 full level

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