

Title (en)

ROTATING ELECTRICAL MACHINE PROVIDED WITH A CURRENT SENSOR AND A DIAGNOSTIC MODULE

Title (de)

MIT EINEM STROMSENSOR UND EINEM DIAGNOSTISCHEN MODUL AUSGESTATTETE ROTIERENDE ELEKTRISCHE MASCHINE

Title (fr)

MACHINE ÉLECTRIQUE TOURNANTE MUNIE D'UN CAPTEUR DE COURANT ET D'UN MODULE DE DIAGNOSTIC

Publication

**EP 3815240 A1 20210505 (FR)**

Application

**EP 19748862 A 20190626**

Priority

- FR 1855817 A 20180627
- FR 2019051582 W 20190626

Abstract (en)

[origin: WO2020002839A1] The invention mainly relates to a rotating electrical machine (10) comprising: a rotor (12) provided with a rotor winding (13); a stator (11) provided with a winding (14) having a plurality of phases; a converter (16) comprising rectifying components (17) to which the phases of the stator (11) are connected; a voltage regulator (24) for adapting an excitation current (lexc) applied to the rotor winding (13) according to a difference between an output voltage (Liait) and a reference voltage; at least one current sensor (27) arranged at the output of the rotating electrical machine (10) or on at least one phase of the rotating electrical machine (10); and a diagnostic module (30) that can detect a malfunction of the rotating electrical machine (10) on the basis of a current measurement provided by the current sensor (27).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020002839A1

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