

Title (en)

ELECTRIC MOTOR AND VENTILATOR WITH CORRESPONDING ELECTRIC MOTOR

Title (de)

ELEKTROMOTOR SOWIE VENTILATOR MIT ENTSPRECHENDEM ELEKTROMOTOR

Title (fr)

MOTEUR ÉLECTRIQUE ET VENTILATEUR POURVU D'UN MOTEUR ÉLECTRIQUE CORRESPONDANT

Publication

EP 3824532 A1 20210526 (DE)

Application

EP 19734683 A 20190529

Priority

- DE 102018211843 A 20180717
- DE 2019200050 W 20190529

Abstract (en)

[origin: WO2020015793A1] The invention relates to an electric motor with a stator (2) and a rotor which is mounted in a rotatable manner about a motor axis (3) relative to the stator (2). The electric motor (1) comprises an inclination measuring unit with at least one sensor and an electronic sensor unit, wherein the at least one sensor is arranged in a fixed position and orientation relative to the stator (2), and the electronic sensor unit actuates the at least one sensor. The at least one sensor is designed to generate measurement values which allow conclusions to be drawn regarding the spatial orientation of the sensor and thus conclusions regarding the spatial orientation of the electric motor. The electric motor can be part of a ventilator according to the invention. Additionally, a corresponding electronic motor unit is provided which is designed to actuate such an electric motor.

IPC 8 full level

H02K 11/20 (2016.01)

CPC (source: EP US)

H02K 11/20 (2016.01 - EP US); **H02K 11/33** (2016.01 - US); **H02K 9/06** (2013.01 - US); **H02K 11/33** (2016.01 - EP)

Citation (search report)

See references of WO 2020015793A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020015793 A1 20200123; BR 112021000756 A2 20210511; CN 112425048 A 20210226; CN 112425048 B 20240528; DE 102018211843 A1 20200123; EP 3824532 A1 20210526; JP 2021530954 A 20211111; JP 7356492 B2 20231004; US 11955847 B2 20240409; US 2021265897 A1 20210826

DOCDB simple family (application)

DE 2019200050 W 20190529; BR 112021000756 A 20190529; CN 201980047527 A 20190529; DE 102018211843 A 20180717; EP 19734683 A 20190529; JP 2021501293 A 20190529; US 201917260973 A 20190529