

Title (en)

STATOR OF AN ELECTRICAL MACHINE, COMPRISING AN ARRANGEMENT FOR TEMPERATURE DETECTION, AND ELECTRICAL MACHINE COMPRISING SUCH A STATOR

Title (de)

STATOR EINER ELEKTRISCHEN MASCHINE MIT EINER ANORDNUNG ZUR TEMPERATURERFASSUNG UND ELEKTRISCHE MASCHINE MIT EINEM SOLCHEN STATOR

Title (fr)

STATOR D'UNE MACHINE ÉLECTRIQUE COMPRENANT UN AGENCEMENT POUR LA DÉTERMINATION DE LA TEMPÉRATURE ET MACHINE ÉLECTRIQUE COMPRENANT UN TEL STATOR

Publication

EP 3804103 A1 20210414 (DE)

Application

EP 19726638 A 20190522

Priority

- DE 102018208385 A 20180528
- EP 2019063181 W 20190522

Abstract (en)

[origin: WO2019228881A1] The invention relates to a stator (3) of an electrical machine (1), comprising a stator winding (4) with a plurality of coils (5), the coils (5) being interconnected by means of connecting conductors (7). A temperature sensor (10) is arranged on a connecting conductor (7) and is in thermal contact with same for the detection of a temperature. According to the invention, two parallel current paths (71, 72) are formed on the connecting conductor (7), the temperature sensor (10) being arranged on one of the current paths (71).

IPC 8 full level

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CPC (source: EP US)

H02K 3/522 (2013.01 - EP); **H02K 11/25** (2016.01 - EP US)

Citation (examination)

- US 2018337580 A1 20181122 - BABA YUICHIRO [JP], et al
- DE 3229711 C2 19910905
- See also references of WO 2019228881A1

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DE 102018208385 A 20180528; CN 201980034987 A 20190522; EP 19726638 A 20190522; EP 2019063181 W 20190522; JP 2020566816 A 20190522; US 201917058842 A 20190522