

Title (en)

STATOR OF AN ELECTRIC DRIVE UNIT, AND METHOD FOR PRODUCING SAID STATOR

Title (de)

STATOR EINER ELEKTRISCHEN ANTRIEBSEINHEIT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

STATOR D'UNE UNITÉ D'ENTRAÎNEMENT ÉLECTRIQUE ET PROCÉDÉ DE FABRICATION DUDIT STATOR

Publication

EP 4374479 A1 20240529 (DE)

Application

EP 22743734 A 20220628

Priority

- DE 102021118819 A 20210721
- DE 2022200145 W 20220628

Abstract (en)

[origin: WO2023001344A1] The invention relates to a stator of an electric drive unit according to the subject matter of claim 1 or 2 and to a method for producing said stator according to the subject matter of claim 13 or 14. The stator for an electric drive unit comprises: - a stator core, on which at least one stator pole for holding coils is formed; - a first insulating cap and a second insulating cap, at least one contact plate being disposed at least in the first and/or second insulating cap; - a stator winding, which is made of a continuous winding wire and forms the coils; wherein, on the at least one contact plate, at least one contacting element is formed, which holds the winding wire of the stator winding, the contacting element comprising a contacting region and a conducting region, the conducting region being oriented in an axial direction in the first and/or second insulating cap, and the contacting region protruding from the first and/or second insulating cap at least partially in a radial direction.

IPC 8 full level

H02K 3/52 (2006.01); **H02K 1/14** (2006.01); **H02K 15/095** (2006.01)

CPC (source: EP)

H02K 3/522 (2013.01); **H02K 15/095** (2013.01); **H02K 1/148** (2013.01); **H02K 2203/09** (2013.01); **H02K 2213/03** (2013.01)

Citation (search report)

See references of WO 2023001344A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021118819 A1 20230126; CN 117642964 A 20240301; EP 4374479 A1 20240529; WO 2023001344 A1 20230126

DOCDB simple family (application)

DE 102021118819 A 20210721; CN 202280047677 A 20220628; DE 2022200145 W 20220628; EP 22743734 A 20220628