

Title (en)

ELECTRIC MACHINE WITH A FIXATION OF MULTIPLE ROTOR LAMINATIONS TO A ROTOR SHAFT, SAID FIXATION ALLOWING AN AXIAL TOLERANCE COMPENSATION

Title (de)

ELEKTRISCHE MASCHINE MIT EINER EINEN AXIALEN TOLERANZAUSGLEICH ERMÖGLICHENDEN BEFESTIGUNG MEHRERER ROTORBLECHE AUF EINER ROTORWELLE

Title (fr)

MOTEUR ÉLECTRIQUE COMPORTANT UNE FIXATION DE PLUSIEURS TÔLES DE ROTOR SUR UN ARBRE DE ROTOR PERMETTANT UNE COMPENSATION DE TOLÉRANCE AXIALE

Publication

**EP 3973617 A1 20220330 (DE)**

Application

**EP 20726684 A 20200430**

Priority

- DE 102019113596 A 20190522
- DE 2020100363 W 20200430

Abstract (en)

[origin: WO2020233739A1] The invention relates to an electric machine (1) for driving a motor vehicle, comprising a rotor (2), wherein the rotor (2) has a central rotor shaft (3) and a laminated core (5) which is made of multiple rotor laminations (4) and is fixed to the rotor shaft (3), and the laminated core (5) is contacted on at least one axial side (6a) by an end lamination (7a) which produces a tolerance compensation, said end lamination (7a) being supported by a securing ring (8) pressed onto the rotor shaft (3).

IPC 8 full level

**H02K 1/28** (2006.01); **H02K 1/30** (2006.01); **H02K 7/00** (2006.01)

CPC (source: EP US)

**H02K 1/274** (2013.01 - US); **H02K 1/28** (2013.01 - EP US); **H02K 1/30** (2013.01 - EP); **H02K 7/003** (2013.01 - EP US); **H02K 7/14** (2013.01 - US)

Citation (search report)

See references of WO 2020233739A1

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)

**DE 102019113596 A1 20201126**; CN 113544943 A 20211022; EP 3973617 A1 20220330; US 2022216754 A1 20220707; WO 2020233739 A1 20201126

DOCDB simple family (application)

**DE 102019113596 A 20190522**; CN 202080019578 A 20200430; DE 2020100363 W 20200430; EP 20726684 A 20200430; US 202017613100 A 20200430