

Title (en)

LAMINATED CORE SET AND ROTOR HAVING LAMINATED CORE SET ATTACHED TO ROTOR SHAFT

Title (de)

BLECHPAKETSATZ SOWIE ROTOR MIT AUF ROTORWELLE AUFGESTECKTEM BLECHPAKETSATZ

Title (fr)

ENSEMBLE DE NOYAUX STRATIFIÉS ET ROTOR AYANT CET ENSEMBLE DE NOYAUX STRATIFIÉS FIXÉ À L'ARBRE DE ROTOR

Publication

EP 4158755 A1 20230405 (DE)

Application

EP 21725380 A 20210428

Priority

- DE 102020114008 A 20200526
- DE 2021100384 W 20210428

Abstract (en)

[origin: WO2021239177A1] The invention relates to a laminated core set (1) for a rotor (2), having at least one first laminated core (3) and at least one second laminated core (4), each having internal toothing (5) for fastening to a rotor shaft (6) and forming a magnet carrier, wherein the magnet carriers have recesses (7) for receiving magnets, wherein a circumferential orientation is a relative position between the recesses (7) and the internal toothing (5) of a laminated core (3, 4) and the circumferential orientation of the first laminated core (3) is different from the circumferential orientation of the second laminated core (4). The invention further relates to a rotor (2) for an electric machine having such a laminated core set (1) and a rotor shaft (6) to which the laminated core set (1) is attached such that the recesses (7) of axially adjacent laminated cores (3, 4) are arranged rotated by a predetermined angular offset.

IPC 8 full level

H02K 1/28 (2006.01)

CPC (source: EP US)

H02K 1/276 (2013.01 - US); **H02K 1/28** (2013.01 - EP); **H02K 1/276** (2013.01 - EP); **H02K 2201/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2021239177A1

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 102020114008 A1 20211202; CN 115461960 A 20221209; EP 4158755 A1 20230405; US 2023344289 A1 20231026; WO 2021239177 A1 20211202

DOCDB simple family (application)

DE 102020114008 A 20200526; CN 202180030504 A 20210428; DE 2021100384 W 20210428; EP 21725380 A 20210428; US 202117923096 A 20210428