

Title (en)
STATOR FOR A ROTARY ELECTRIC MACHINE

Title (de)
STATOR FÜR EINE ELEKTRISCHE DREHMASCHINE

Title (fr)
STATOR DE MACHINE ÉLECTRIQUE TOURNANTE

Publication
EP 4186145 A1 20230531 (FR)

Application
EP 21740121 A 20210616

Priority
• FR 2007746 A 20200723
• FR 2021051085 W 20210616

Abstract (en)
[origin: WO2022018333A1] A stator (2) for a rotary electric machine (1), comprising: - a radially interior ring (25) comprising teeth (23) and slots (21) opening radially towards the outside and extending between the teeth, bridges of material (27) connecting two adjacent teeth to their base and defining the bottoms of the slots between these teeth, - coils (22) arranged in the slots, having electrical conductors arranged in an ordered fashion in the slots (21), and - a radially outer yoke (29) attached in contact with the ring, the yoke being formed of assembled sectors (30).

IPC 8 full level
H02K 3/48 (2006.01); **H02K 1/16** (2006.01)

CPC (source: EP US)
H02K 1/16 (2013.01 - EP US); **H02K 3/48** (2013.01 - EP); **H02K 1/165** (2013.01 - EP); **H02K 2201/15** (2013.01 - EP);
H02K 2213/03 (2013.01 - EP)

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)
WO 2022018333 A1 20220127; CN 116195170 A 20230530; EP 4186145 A1 20230531; FR 3112905 A1 20220128; FR 3112905 B1 20230609;
US 2023268782 A1 20230824

DOCDB simple family (application)
FR 2021051085 W 20210616; CN 202180059701 A 20210616; EP 21740121 A 20210616; FR 2007746 A 20200723;
US 202118012134 A 20210616