

Title (en)

ROTARY ELECTRIC MACHINE STATOR COMPRISING AT LEAST ONE SLOT INSULATOR

Title (de)

STATOR EINER ROTIERENDEN ELEKTRISCHEN MASCHINE MIT MINDESTENS EINEM SCHLITZISOLATOR

Title (fr)

STATOR POUR MACHINE ÉLECTRIQUE TOURNANTE COMPRENANT AU MOINS UN ISOLANT D'ENCOCHE

Publication

**EP 4032171 A1 20220727 (FR)**

Application

**EP 20771326 A 20200917**

Priority

- FR 1910270 A 20190918
- EP 2020076009 W 20200917

Abstract (en)

[origin: WO2021053087A1] Wound component (2) for a rotary electric machine (1) comprising a plurality of teeth (6) comprising two opposite lateral walls (10), two adjacent teeth (6) delimiting a slot (12) in which electrical conductors (26) are present, each slot (12) being delimited by an end wall (14) and by the lateral walls (10) of two adjacent teeth, each tooth (6) comprising at its free end a tooth root (16) delimited by an internal face (18) facing the end wall (14) of two slots (12), an external face (20) on the opposite side to the internal face (18) and two lateral faces (22), each slot (12) comprising a slot insulator (24) covering the end wall (14) and the lateral walls (10) of said slot (12), characterized in that each slot insulator (24) at least partially covers the lateral faces (22) of the tooth roots (16) delimiting the slot (12).

IPC 8 full level

**H02K 3/34** (2006.01); **H02K 3/487** (2006.01); **H02K 15/10** (2006.01)

CPC (source: EP)

**H02K 3/345** (2013.01); **H02K 3/487** (2013.01); **H02K 15/10** (2013.01)

Citation (search report)

See references of WO 2021053087A1

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)

**FR 3100943 A1 20210319**; **FR 3100943 B1 20220121**; CN 114365393 A 20220415; EP 4032171 A1 20220727; WO 2021053087 A1 20210325

DOCDB simple family (application)

**FR 1910270 A 20190918**; CN 202080063862 A 20200917; EP 2020076009 W 20200917; EP 20771326 A 20200917