

Title (en)

COIL INTENDED TO BE INSERTED IN THE NOTCHES OF A STATOR OF A ROTATING ELECTRICAL MACHINE

Title (de)

SPULE ZUM EINSETZEN IN NUTEN EINES STATORS EINER ROTIERENDEN ELEKTRISCHEN MASCHINE

Title (fr)

BOBINE DESTINÉE À ÊTRE INSÉRÉE DANS DES ENCOCHES D'UN STATOR D'UNE MACHINE ÉLECTRIQUE TOURNANTE

Publication

EP 4264795 A1 20231025 (FR)

Application

EP 21848280 A 20211216

Priority

- FR 2013445 A 20201217
- FR 2013503 A 20201217
- FR 2013543 A 20201217
- FR 2021052353 W 20211216

Abstract (en)

[origin: WO2022129796A1] The invention relates to a coil (20) intended to be inserted in a first and a second notch of a stator (60), the coil (20) being wound in a plurality of successive turns, each turn comprising: - a first half-turn (32a) comprising a first notch portion (34a) configured to be inserted in the first notch of the stator, - a second half-turn (32b) comprising a second notch portion (34b) configured to be inserted in the second notch of the stator, the second half-turns (32b) each being connected to the first half-turn (32a) of the same turn and to the first half-turn (32a) of the following turn by junction portions (40) on each side of the first and second notch portions (34a, 34b), the junction portions (40) of the coil stacking along at least two juxtaposed heads (26a, 26b, 26c, 26d, 26e) extending in mutually parallel junction planes.

IPC 8 full level

H02K 3/12 (2006.01); **H02K 15/00** (2006.01); **H02K 15/04** (2006.01); **H02K 15/06** (2006.01)

CPC (source: EP US)

H02K 1/16 (2013.01 - US); **H02K 3/12** (2013.01 - EP); **H02K 3/28** (2013.01 - US); **H02K 3/48** (2013.01 - EP); **H02K 15/0081** (2013.01 - EP); **H02K 15/0421** (2013.01 - EP US); **H02K 15/064** (2013.01 - EP); **H02K 3/28** (2013.01 - EP)

Citation (search report)

See references of WO 2022129796A1

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 2022129796 A1 20220623; EP 4264795 A1 20231025; US 2024030757 A1 20240125

DOCDB simple family (application)

FR 2021052353 W 20211216; EP 21848280 A 20211216; US 202118256813 A 20211216