

Title (en)

STATOR FOR A ROTATING ELECTRICAL MACHINE

Title (de)

STATOR FÜR EINE ELEKTRISCHE DREHMASCHINE

Title (fr)

STATOR DE MACHINE ELECTRIQUE TOURNANTE

Publication

EP 3804089 A1 20210414 (FR)

Application

EP 19727431 A 20190604

Priority

- FR 1854959 A 20180607
- EP 2019064504 W 20190604

Abstract (en)

[origin: WO2019234031A1] The present invention relates to a stator comprising: - a ring (25) which comprises: o teeth between which notches (21) are provided which are open radially outwardly, and o material bridges (27) which each connect two adjacent teeth to the base thereof at the side of the air gap (46), - a yoke which is fitted to the ring (25) and - coils (22) which are disposed in the notches (21) of the ring (25), at least a portion of the material bridges (27) having at least one deformable zone (32) which can become deformed during the assembly of the yoke on the ring (25).

IPC 8 full level

H02K 1/16 (2006.01); **H02K 15/14** (2006.01)

CPC (source: EP KR US)

H02K 1/165 (2013.01 - EP KR US); **H02K 3/12** (2013.01 - KR US); **H02K 3/493** (2013.01 - EP); **H02K 15/024** (2013.01 - KR US); **H02K 15/062** (2013.01 - US); **H02K 15/14** (2013.01 - EP); **H02K 2213/03** (2013.01 - KR)

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)

WO 2019234031 A1 20191212; CN 112219340 A 20210112; CN 112219340 B 20240315; EP 3804089 A1 20210414; FR 3082374 A1 20191213; FR 3082374 B1 20200529; JP 2021526001 A 20210927; KR 20210042261 A 20210419; US 11949284 B2 20240402; US 2021218293 A1 20210715

DOCDB simple family (application)

EP 2019064504 W 20190604; CN 201980037305 A 20190604; EP 19727431 A 20190604; FR 1854959 A 20180607; JP 2020567140 A 20190604; KR 20207035060 A 20190604; US 201917057969 A 20190604