

Title (en)

ROTATING ELECTRICAL MACHINE WITH VARIABLE STATOR SLOT WIDTH

Title (de)

ELEKTRISCHE DREHMASCHINE MIT VARIABLER STATORSCHLITZBREITE

Title (fr)

MACHINE ÉLECTRIQUE TOURNANTE À LARGEUR D'ENCOCHE STATORIQUE VARIABLE

Publication

**EP 3613127 A1 20200226 (FR)**

Application

**EP 18717087 A 20180419**

Priority

- FR 1753451 A 20170420
- EP 2018059985 W 20180419

Abstract (en)

[origin: WO2018193012A1] The invention relates mainly to a rotating electrical machine (10) for a motor vehicle, comprising: - a rotor; - a stator (11) extending along an axis, said stator (11) comprising a body (24) provided with a plurality of stator teeth (28) defining slots (30, 30'), - the stator (11) comprising a winding with conductors (35) housed in the slots (30, 30'); - in a plane (P) orthogonal to the axis along which the stator (11) extends, - a first slot (30) has a first width (L1) measured in an orthoradial direction, radially in the middle of the first slot (30), and - a second slot (30'), separate from the first slot (30), has a second width (L2) measured along an orthoradial direction, radially in the middle of the second slot (30'); characterised in that the first slot width (L1) is different from the second slot width (L2).

IPC 8 full level

**H02K 1/16** (2006.01)

CPC (source: EP US)

**H02K 1/165** (2013.01 - EP US)

Citation (search report)

See references of WO 2018193012A1

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 2018193012 A1 20181025**; CN 110521084 A 20191129; EP 3613127 A1 20200226; FR 3065591 A1 20181026; FR 3065591 B1 20210101; JP 2020518218 A 20200618; US 2020052533 A1 20200213

DOCDB simple family (application)

**EP 2018059985 W 20180419**; CN 201880025678 A 20180419; EP 18717087 A 20180419; FR 1753451 A 20170420; JP 2019556932 A 20180419; US 201816604003 A 20180419