

Title (en)

METHOD FOR PRODUCING A WOUND STATOR OF A ROTARY ELECTRIC MACHINE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GEWICKELTEN STATORS EINER ELEKTRISCHEN DREHMASCHINE

Title (fr)

PROCEDE DE REALISATION D'UN STATOR BOBINE DE MACHINE ELECTRIQUE TOURNANTE

Publication

EP 3170246 A1 20170524 (FR)

Application

EP 15748283 A 20150709

Priority

- FR 1456774 A 20140715
- FR 2015051905 W 20150709

Abstract (en)

[origin: WO2016009137A1] The invention relates mainly to a method for producing a wound stator (1), including: a step of preparing a phase winding; an insertion step which includes inserting said phase winding into a corresponding series of notches (5) in said stator (1); and an intermediate step of forming lead out wires of the winding (26) each extending between two notches (5) of each series of the inserted phase windings, by applying a first radial force (F1) from an axis (X) of said stator (1) toward the outside of said stator (1), characterised in that said method also comprises a step of positioning a bearing surface facing at least one notch (5) such as to apply a second radial force (F2) resulting from the application of the first force (F1) from the outside toward the axis (X) of said stator (1).

IPC 8 full level

H02K 15/00 (2006.01); **H02K 15/06** (2006.01)

CPC (source: CN EP KR US)

H02K 1/146 (2013.01 - US); **H02K 15/0037** (2013.01 - CN EP KR US); **H02K 15/026** (2013.01 - US); **H02K 15/0435** (2013.01 - CN); **H02K 15/068** (2013.01 - CN EP KR US); **H02K 15/08** (2013.01 - US); **Y10T 29/49009** (2015.01 - US)

Citation (search report)

See references of WO 2016009137A1

Citation (examination)

- US 4520287 A 19850528 - WANG DAVID C [US], et al
- EP 1223660 A1 20020717 - MITSUBISHI ELECTRIC CORP [JP]

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 2016009137 A1 20160121; CN 106575906 A 20170419; CN 106575906 B 20211231; EP 3170246 A1 20170524; FR 3023994 A1 20160122; FR 3023994 B1 20160715; KR 102442368 B1 20220908; KR 20170033300 A 20170324; US 10637335 B2 20200428; US 2017170711 A1 20170615

DOCDB simple family (application)

FR 2015051905 W 20150709; CN 201580038115 A 20150709; EP 15748283 A 20150709; FR 1456774 A 20140715; KR 20177001219 A 20150709; US 201515325676 A 20150709