Title (en)

ROTARY ELECTRIC MACHINE ROTOR

Title (de)

ROTOR FÜR EINE ELEKTRISCHE DREHMASCHINE

Title (fr)

ROTOR DE MACHINE ELECTRIQUE TOURNANTE

Publication

EP 3111537 A1 20170104 (FR)

Application

EP 15711293 A 20150219

Priority

- FR 1451592 A 20140227
- IB 2015051271 W 20150219

Abstract (en)

[origin: WO2015128782A1] Rotary electric machine rotor (2) comprising a plurality of stacked laminations or, respectively, of stacked bundles of laminations (9), each lamination or, respectively, each bundle of laminations (9), comprising a hub (11) and an alternation of pole parts (13) connected to the hub (11) and not floating and of recesses (16), the laminations or, respectively, the bundles of laminations (9) being angularly offset in such a way that the non-floating pole parts (13) of a lamination or, respectively, of a bundle of laminations (9) are superposed with the recesses (16) of a consecutive lamination or, respectively, or a consecutive bundle of laminations (9), and the recesses (16) of a lamination or, respectively, of a bundle of laminations (9) are superposed on the pole parts (13) of said consecutive lamination or, respectively, of said consecutive bundle of laminations (9), retaining rods (26) engaged through the non-floating pole parts (13), floating pole parts (17) engaged on the retaining rods (26) and arranged in the recesses (16) between the non-floating pole parts (13) of a lamination or, respectively, of a bundle of laminations (9), and permanent magnets (18) arranged between the non-floating pole parts (13) and the floating pole parts (17).

IPC 8 full level

H02K 1/27 (2006.01)

CPC (source: CN EP)

H02K 1/2766 (2013.01 - CN EP); **H02K 1/2773** (2013.01 - CN EP); H02K 2201/06 (2013.01 - CN EP)

Citation (search report)

See references of WO 2015128782A1

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 3018009 A1 20150828; **FR 3018009 B1 20171020**; CN 106068599 A 20161102; EP 3111537 A1 20170104; WO 2015128782 A1 20150903

DOCDB simple family (application)

FR 1451592 A 20140227; CN 201580011173 A 20150219; EP 15711293 A 20150219; IB 2015051271 W 20150219