

Title (en)

INTERNAL ROTOR INCLUDING A GROOVED SHAFT, INTENDED FOR A ROTARY ELECTRIC MACHINE

Title (de)

INTERNER ROTOR MIT EINER MIT RILLEN VERSEHENEN WELLE, DER FÜR EINE ELEKTRISCHE DREHMASCHINE BESTIMMT IST

Title (fr)

ROTOR INTERIEUR A ARBRE RAINURE POUR MACHINE ELECTRIQUE TOURNANTE

Publication

EP 2316156 A2 20110504 (FR)

Application

EP 09777485 A 20090728

Priority

- EP 2009005454 W 20090728
- FR 0855631 A 20080820

Abstract (en)

[origin: WO2010020333A2] The invention relates to an internal rotor (1) with buried magnets, intended for a rotary electric machine, said rotor including: a shaft (2); a plurality of polar parts (30) made from a magnetic material and surrounding the shaft, said polar parts defining therebetween recesses (40); and a plurality of permanent magnets (4) disposed in the recesses (40). The rotor is characterised in that the shaft includes a plurality of longitudinal grooves (21) co-operating with the radial tenons of the polar parts.

IPC 8 full level

H02K 1/27 (2006.01); **H02K 1/17** (2006.01); **H02K 1/28** (2006.01)

CPC (source: EP US)

H02K 1/2773 (2013.01 - EP US)

Citation (search report)

See references of WO 2010020333A2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

FR 2935204 A1 20100226; **FR 2935204 B1 20160101**; CN 102124634 A 20110713; EP 2316156 A2 20110504; JP 2012500612 A 20120105; US 2011221296 A1 20110915; WO 2010020333 A2 20100225; WO 2010020333 A3 20100415

DOCDB simple family (application)

FR 0855631 A 20080820; CN 200980132430 A 20090728; EP 09777485 A 20090728; EP 2009005454 W 20090728; JP 2011523324 A 20090728; US 200913059591 A 20090728