

Title (en)
ROTOR DEVICE FOR AN ELECTRIC MOTOR AND/OR GENERATOR, ROTOR AND MOTOR WITH SUCH A ROTOR DEVICE AND METHOD FOR PRODUCTION

Title (de)
ROTORVORRICHTUNG FÜR EINEN ELEKTROMOTOR UND/ODER GENERATOR, ROTOR UND MOTOR MIT EINER SOLCHEN ROTORVORRICHTUNG SOWIE HERSTELLUNGSVERFAHREN

Title (fr)
DISPOSITIF DE ROTOR POUR UN MOTEUR ÉLECTRIQUE ET/OU GÉNÉRATEUR, ROTOR ET MOTOR AVEC TEL DISPOSITIF DE ROTOR ET PROCÉDÉ DE PRODUCTION

Publication
EP 3384583 A1 20181010 (DE)

Application
EP 16801951 A 20161109

Priority
• DE 102015121102 A 20151203
• DE 2016200507 W 20161109

Abstract (en)
[origin: WO2017092741A1] The invention relates to a rotor device (1) for an electric motor and/or generator, comprising a rotor body (2) and a plurality of magnets (3). The rotor body (2) has a rotor shaft receiving area (4) and a plurality of magnet receiving areas (5) arranged coaxially to the rotor shaft receiving area (4), and the magnets (3) are secured and positioned rigidly in the magnet receiving areas (5) by means of a plastic compound (6) injected into the magnet receiving areas (5), said plastic compound forming at least one cover element (7) which at least partly covers the openings (8) of the magnet receiving areas (5). The invention is characterized in that the cover element (7) has at least one pole wheel centering means and/or at least one pole wheel aligning means. The invention further relates to a rotor, to a motor comprising such a rotor device, and to a production method.

IPC 8 full level
H02K 1/28 (2006.01); **H02K 1/27** (2006.01); **H02K 11/215** (2016.01); **H02K 15/03** (2006.01); **H02K 29/08** (2006.01)

CPC (source: EP US)
H02K 1/276 (2013.01 - EP US); **H02K 1/28** (2013.01 - US); **H02K 11/215** (2016.01 - EP US); **H02K 15/03** (2013.01 - US); **H02K 29/08** (2013.01 - EP US)

Citation (search report)
See references of WO 2017092741A1

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 2017092741 A1 20170608; CN 108370207 A 20180803; DE 102015121102 A1 20170608; DE 102015121102 B4 20191107; EP 3384583 A1 20181010; US 11081915 B2 20210803; US 11081916 B2 20210803; US 2018278103 A1 20180927; US 2019238015 A1 20190801

DOCDB simple family (application)
DE 2016200507 W 20161109; CN 201680070739 A 20161109; DE 102015121102 A 20151203; EP 16801951 A 20161109; US 201815992759 A 20180530; US 201916381753 A 20190411