

Title (en)

SECURING A PERMANENT MAGNET INSIDE A ROTOR LAMINATED CORE

Title (de)

BEFESTIGUNG EINES PERMANENTMAGNETS INNERHALB EINES ROTORBLECHPAKETS

Title (fr)

FIXATION D'UN AIMANT PERMANENT À L'INTÉRIEUR D'UN PAQUET DE TÔLES ROTORIQUES

Publication

EP 3408922 A1 20181205 (DE)

Application

EP 17702583 A 20170126

Priority

- DE 102016201281 A 20160128
- EP 2017051691 W 20170126

Abstract (en)

[origin: WO2017129704A1] The invention relates to a composite component (1) for securing a permanent magnet (2) inside a rotor laminated core (3) of an electrical machine. The composite component (1) comprises a permanent magnet (2) which is secured inside a connecting element (4) made of a thermoplastic; the connecting element (4) has an outer fastening structure (5) for securing said connecting element (4) in a recess (7) in the rotor laminated core (3). The invention further relates to a method for producing a rotor laminated core (3) for an electrical machine.

IPC 8 full level

H02K 1/27 (2006.01); **H02K 7/00** (2006.01); **H02K 15/03** (2006.01)

CPC (source: EP US)

H02K 1/276 (2013.01 - EP US); **H02K 15/03** (2013.01 - EP US); **H02K 7/006** (2013.01 - EP)

Citation (search report)

See references of WO 2017129704A1

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)

DE 102016201281 B3 20170524; CN 108604841 A 20180928; EP 3408922 A1 20181205; US 2021104923 A1 20210408; WO 2017129704 A1 20170803

DOCDB simple family (application)

DE 102016201281 A 20160128; CN 201780005998 A 20170126; EP 17702583 A 20170126; EP 2017051691 W 20170126; US 201716072840 A 20170126