

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A ROTOR FOR AN ELECTRIC MOTOR, AN USE THEREOF

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES ROTORS FÜR EINE ELEKTRISCHE MASCHINE SOWIE VERWENDUNG DESSELBEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN ROTOR POUR UNE MACHINE ÉLECTRIQUE ET UTILISATION DE CELUI-CI

Publication

EP 2332233 A1 20110615 (DE)

Application

EP 09778873 A 20091008

Priority

- EP 2009007242 W 20091008
- DE 102008050802 A 20081008

Abstract (en)

[origin: WO2010040536A1] The invention relates to a method for producing a fiber composite rotor (104; 500; 700; 904; 1004; 1508, 1510, 1512) comprising a main member (104; 200; 402; 502; 600; 802; 1300) for an electric motor (100; 800; 1000; 1500). Said method includes the following steps: fibers of a fiber material are combined with a matrix to obtain a fiber mixture (1322); the fiber mixture comprising diffusely arranged fibers is introduced into a female mold (1304, 1316, 1324) corresponding to the shape of the main member of the rotor; the fiber mixture (1308, 1318, 1326) is cured to obtain a main member (200; 402; 502; 600; 802; 1300) of the rotor, the fiber mixture being heated by a microwave source. The invention also relates to a female mold for producing the rotor as well as a use of the rotor in an electric motor.

IPC 8 full level

H02K 1/27 (2006.01); **H02K 1/28** (2006.01); **H02K 15/12** (2006.01)

CPC (source: EP US)

H02K 1/2795 (2022.01 - EP US); **H02K 1/30** (2013.01 - EP); **H02K 15/03** (2013.01 - EP); **H02K 15/12** (2013.01 - EP)

Citation (search report)

See references of WO 2010040536A1

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)

DE 102008050802 A1 20100415; EP 2332233 A1 20110615; WO 2010040536 A1 20100415

DOCDB simple family (application)

DE 102008050802 A 20081008; EP 09778873 A 20091008; EP 2009007242 W 20091008