

Title (en)

BEARING RACE HAVING ELECTRICAL INSULATION AND METHOD FOR PRODUCING THE SAME

Title (de)

LAGERRING MIT EINER ELEKTRISCHEN ISOLIERUNG SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

BAGUE DE RETENUE AVEC ISOLATION ÉLECTRIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2411690 A1 20120201 (DE)

Application

EP 10717499 A 20100319

Priority

- DE 2010000330 W 20100319
- DE 102009014753 A 20090327

Abstract (en)

[origin: WO2010108481A1] The invention relates to a method for producing a bearing race comprising electrical insulation for a rolling bearing, and a bearing race for a rolling bearing produced, for example, by means of the method, the method comprising the steps of: providing a body (2) of the bearing race (1), applying a multilayer insulating coating (4) enclosing the body (2) of the bearing race (1) at least in segments by winding the body (2) of the bearing race (1) with a carrier material (8) enclosed by a resin for forming the electrical insulation. The method and the bearing race produced, for example, by means of the method are characterized in that the insulating layer (4) comprises an additive (10, 11, 12, 13) improving the electrical properties, particularly the dielectric properties, and/or mechanical properties of the electrical insulation. According to the invention, a bearing race and a method for producing a bearing race are disclosed, wherein the bearing race is particularly suitable for shield alternating currents.

IPC 8 full level

F16C 33/62 (2006.01); **F16C 33/64** (2006.01); **H01B 3/30** (2006.01); **H02K 5/16** (2006.01)

CPC (source: EP US)

F16C 33/62 (2013.01 - EP US); **F16C 33/64** (2013.01 - EP US); **H01B 3/30** (2013.01 - EP US); **H01B 3/445** (2013.01 - EP US); **H02K 5/16** (2013.01 - EP US); **H02K 11/01** (2016.01 - EP US); **F16C 2208/90** (2013.01 - EP)

Citation (examination)

US 2008081136 A1 20080403 - FISH ELSON B [US], et al

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

DOCDB simple family (publication)

WO 2010108481 A1 20100930; BR PI1010285 A2 20160322; CN 102395804 A 20120328; DE 102009014753 A1 20100930; EP 2411690 A1 20120201; US 2012008890 A1 20120112

DOCDB simple family (application)

DE 2010000330 W 20100319; BR PI1010285 A 20100319; CN 201080014653 A 20100319; DE 102009014753 A 20090327; EP 10717499 A 20100319; US 201013257438 A 20100319