

Title (en)

POWDER COATING FORMULATION FOR AN INSULATION SYSTEM OF AN ELECTRIC MACHINE, ELECTRIC MACHINE HAVING AN INSULATION SYSTEM OF THIS KIND, AND A METHOD FOR PRODUCING AN INSULATION SYSTEM OF THIS KIND

Title (de)

PULVERLACK-FORMULIERUNG FÜR EIN ISOLATIONSSYSTEM EINER ELEKTRISCHEN MASCHINE, ELEKTRISCHE MASCHINE MIT EINEM SOLCHEN ISOLATIONSSYSTEM UND VERFAHREN ZUM HERSTELLEN EINES SOLCHEN ISOLATIONSSYSTEMS

Title (fr)

FORMULATION DE REVÊTEMENT EN POUDRE POUR UN SYSTÈME D'ISOLATION D'UNE MACHINE ÉLECTRIQUE, MACHINE ÉLECTRIQUE PRÉSENTANT UN SYSTÈME D'ISOLATION DE CE TYPE ET PROCÉDÉ DE PRODUCTION D'UN SYSTÈME D'ISOLATION DE CE TYPE

Publication

EP 4183028 A1 20230524 (DE)

Application

EP 21769404 A 20210826

Priority

- DE 102020211111 A 20200903
- EP 2021073655 W 20210826

Abstract (en)

[origin: WO2022048992A1] The invention relates to a powder coating formulation for an insulation system (12) of an electric machine (10), in particular a rotating electric machine (10) having a rated voltage of at least 700 V, comprising at least one curable resin mixture, wherein the powder coating formulation additionally comprises spherical fused silica filler particles. The invention further relates to an electric machine (10) comprising at least one conductor (8) and an insulation system (12) of this kind, and to a method for producing an insulation system (12) of this kind for an electric machine (10).

IPC 8 full level

H02K 3/30 (2006.01); **H01B 3/00** (2006.01); **H01B 13/06** (2006.01); **H02K 3/40** (2006.01); **H02K 15/12** (2006.01)

CPC (source: EP US)

H01B 3/002 (2013.01 - US); **H01B 3/006** (2013.01 - EP); **H02K 3/30** (2013.01 - EP US); **H02K 3/40** (2013.01 - EP US); **H02K 15/105** (2013.01 - US); **H02K 15/12** (2013.01 - EP)

Citation (search report)

See references of WO 2022048992A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020211111 A1 20220303; CN 116057814 A 20230502; EP 4183028 A1 20230524; US 2023318384 A1 20231005; WO 2022048992 A1 20220310

DOCDB simple family (application)

DE 102020211111 A 20200903; CN 202180054532 A 20210826; EP 2021073655 W 20210826; EP 21769404 A 20210826; US 202118043654 A 20210826