

Title (en)

RESISTANCE COVERING FOR A D.C. INSULATION SYSTEM

Title (de)

WIDERSTANDSBELAG FÜR EIN GLEICHSTROMISOLIERSYSTEM

Title (fr)

REVÊTEMENT RÉSISTANT POUR UN SYSTÈME ISOLANT À COURANT CONTINU

Publication

EP 2907144 A1 20150819 (DE)

Application

EP 14700861 A 20140115

Priority

- DE 102013204706 A 20130318
- EP 2014050713 W 20140115

Abstract (en)

[origin: WO2014146802A1] The invention relates to a resistance covering for a d.c. insulation system, comprising a matrix material with particles embedded therein, said particles having an aspect ratio greater than 1. The matrix material is flexible to such an extent that the particles align depending on an electric field strength. The particles can align in the electric field and thus a breakdown voltage of the resistance covering is increased. The invention also relates to a d.c. insulation system comprising said resistance covering.

IPC 8 full level

H01B 3/28 (2006.01); **C08K 3/04** (2006.01); **C08K 3/22** (2006.01); **H01B 3/10** (2006.01); **H01B 3/46** (2006.01)

CPC (source: EP US)

C08K 3/22 (2013.01 - EP US); **C08K 3/34** (2013.01 - EP US); **H01B 3/004** (2013.01 - EP US); **H01B 3/02** (2013.01 - EP US); **H01B 3/04** (2013.01 - EP US); **H01B 3/10** (2013.01 - EP US); **H01B 3/28** (2013.01 - EP US); **H01B 3/46** (2013.01 - EP US); **C08K 3/041** (2017.04 - EP US); **C08K 2201/016** (2013.01 - EP US)

Citation (search report)

See references of WO 2014146802A1

Citation (examination)

- US 2006145119 A1 20060706 - ONNEBY CARINA [SE], et al
- US 2007026221 A1 20070201 - STEVENS GARY [GB], et al
- EP 1766636 A2 20070328 - SIEMENS POWER GENERATION INC [US]
- US 2003102154 A1 20030605 - HABA BELGACEM [US]
- DE 2103282 A1 19720824 - EECK PH VAN
- US 7898481 B2 20110301 - QIAN ZHENG FANG [US], et al
- US 2004129449 A1 20040708 - BOETTCHER BODO [DE], et al
- JP 2012246336 A 20121213 - ARON KASEI KK
- US 2012145315 A1 20120614 - KNAAPILA MATTI [NO], et al
- US 2006231201 A1 20061019 - SMITH JAMES D B [US], et al
- US 2007141324 A1 20070621 - STEVENS GARY [GB], et al
- US 2008102266 A1 20080501 - NAKATSUKA YASUO [JP], et al
- US 2009038832 A1 20090212 - CHAFFINS STERLING [US], et al
- US 2012118612 A1 20120517 - SMITH JAMES DAVID BLACKHALL [US], et al

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 102013204706 A1 20140918; EP 2907144 A1 20150819; US 2016027549 A1 20160128; WO 2014146802 A1 20140925

DOCDB simple family (application)

DE 102013204706 A 20130318; EP 14700861 A 20140115; EP 2014050713 W 20140115; US 201414772965 A 20140115