

Title (en)

Surface-modified insulator and method thereof

Title (de)

Oberflächenmodifizierter Isolator und Verfahren zur Modifizierung der Oberfläche eines Isolators

Title (fr)

Isolateur modifié en surface et procédé

Publication

EP 1026704 A3 20011010 (DE)

Application

EP 99125571 A 19991221

Priority

DE 19904133 A 19990203

Abstract (en)

[origin: EP1026704A2] Surface-modified insulators, obtained by coating a base insulator with a preparation containing a fluoro organo-functional silane(s) and/or siloxane(s), mineral acid(s) and metal salt(s) of aluminum(III), tin(II), tin(IV), iron(III) or titanium(III). An Independent claim is also included for a process for modifying the surface of an insulator in which a preparation as above is applied to an insulator base and then possibly heated.

IPC 1-7

H01B 19/04; C07F 7/08; C07F 7/18; C09C 3/12

IPC 8 full level

H01B 17/50 (2006.01); **H01B 17/60** (2006.01); **H01B 19/04** (2006.01)

CPC (source: EP US)

H01B 19/04 (2013.01 - EP US); **Y10T 428/31504** (2015.04 - EP US); **Y10T 428/31598** (2015.04 - EP US); **Y10T 428/31612** (2015.04 - EP US); **Y10T 428/31663** (2015.04 - EP US)

Citation (search report)

- [E] DE 19904132 A1 20000810 - DEGUSSA [DE]
- [A] DATABASE WPI Section Ch Week 199402, Derwent World Patents Index; Class E11, AN 1994-012029, XP002157180
- [A] DATABASE WPI Section Ch Week 199016, Derwent World Patents Index; Class A21, AN 1990-120909, XP002157181

Cited by

CN107615608A; RU2681207C1; US10476251B2; WO2016180396A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1026704 A2 20000809; **EP 1026704 A3 20011010**; **EP 1026704 B1 20050907**; AT E304210 T1 20050915; BR 0000247 A 20000912; DE 19904133 A1 20000928; DE 19904133 B4 20070208; DE 59912524 D1 20051013; JP 2000222959 A 20000811; NO 20000561 D0 20000203; NO 20000561 L 20000804; US 6426150 B1 20020730

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