

Title (en)

METAL CONDUCTORS COATED WITH DIELECTRIC, RADIATION CURABLE COMPOSITIONS

Title (de)

MIT DIELEKTRISCHEM, STRAHLENHÄRTBAREM BESCHICHTUNGSMITTEL BESCHICHTETE METALLLEITER

Title (fr)

CONDUCTEURS METALLIQUES RECOUVERTS DE COMPOSITIONS DIELECTRIQUES DE REVETEMENT, POUVANT ETRE POLYMERISEES PAR EXPOSITION A UN RAYONNEMENT

Publication

**EP 0935804 A1 19990818 (EN)**

Application

**EP 97909754 A 19971027**

Priority

- NL 9700588 W 19971027
- US 2978096 P 19961031

Abstract (en)

[origin: WO9819313A1] Provided is a metal conductor having a cured coating of about 10 to about 500 micrometer thickness which coating has a dielectric dissipation factor (60Hz, 24 DEG C) of lower than about 0.05 and is a radiation-cured coating formulated from components comprising: a) an acrylate functional urethane oligomer having a hydrocarbon backbone, b) one or more mono- or polyfunctional diluents, and optionally, and c) a photoinitiator.

IPC 1-7

**H01B 3/30**; **C08F 290/14**; **C08G 18/81**

IPC 8 full level

**C08F 290/14** (2006.01); **C08G 18/81** (2006.01); **H01B 3/30** (2006.01)

CPC (source: EP KR)

**C08F 290/147** (2013.01 - EP); **C08G 18/8175** (2013.01 - EP); **H01B 3/30** (2013.01 - EP KR)

Citation (search report)

See references of WO 9819313A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**WO 9819313 A1 19980507**; EP 0935804 A1 19990818; KR 20000052972 A 20000825; TW 381111 B 20000201

DOCDB simple family (application)

**NL 9700588 W 19971027**; EP 97909754 A 19971027; KR 19997003849 A 19990430; TW 86117460 A 19971121