

Title (en)
ELECTRICAL INSULATING MATERIAL

Title (de)
ELEKTRISCHES ISOLATIONSMATERIAL

Title (fr)
MATERIAU D'ISOLATION ELECTRIQUE

Publication
EP 0526556 B1 19980826 (EN)

Application
EP 91908818 A 19910426

Priority
• GB 9100661 W 19910426
• GB 9009407 A 19900427
• US 51530290 A 19900427

Abstract (en)
[origin: WO9117551A1] An electrical insulating composite material comprises an intimate admixture of (a) 5-90 weight percent of a thermoplastic copolymer of tetrafluoroethylene and perfluoro (propyl vinyl ether); and (b) 90-5 weight percent of coagulated dispersion type polytetrafluoroethylene (PTFE), or of porous expanded PTFE. Tape made from the composite material may be porous expanded tape or non-porous tape. The tape is wrapped around a conductor (C) and sintered at 320-450 C. A dual-wrap construction having layers (A, B) of both porous expanded tape and of non-porous tape give particularly good dynamic cut-through and scrape resistance properties.

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H01B 3/44; **C08L 27/18**; **C08L 29/10**

IPC 8 full level
C08L 27/18 (2006.01); **C08L 57/00** (2006.01); **H01B 3/44** (2006.01); **H01B 5/16** (2006.01); **H01B 7/02** (2006.01); **H01B 7/29** (2006.01); **H01B 17/56** (2006.01); **H01B 17/60** (2006.01)

CPC (source: EP)
H01B 3/445 (2013.01); **H01B 7/0241** (2013.01); **H01B 7/29** (2013.01)

Cited by
US11535017B2; US11009669B2; WO2018229569A1

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DE ES FR GB IT SE

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WO 9117551 A1 19911114; DE 69130062 D1 19981001; DE 69130062 T2 19990408; EP 0521588 A2 19930107; EP 0521588 A3 19930908; EP 0526556 A1 19930210; EP 0526556 B1 19980826; ES 2122972 T3 19990101; GB 2261668 A 19930526; GB 2261668 B 19950111; GB 9219772 D0 19921111; JP 3263071 B2 20020304; JP H05509433 A 19931222

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