

Title (en)
Electrical heating cable

Title (de)
Elektrische Heizleitung

Title (fr)
Câble de chauffage électrique

Publication
EP 0609771 B1 19970716 (DE)

Application
EP 94101175 A 19940127

Priority
DE 4302695 A 19930201

Abstract (en)
[origin: US5521358A] An electrical heating conductor having a resistance wire core and a high temperature-resisting, electrical insulation layer on top of the core, further having a multi-wire layer as a protective conductor, is improved by a layer of a wrapped foil made of a mechanically high strength material such as a polyimide or a polyether ketone or a derivative of either, and wrapped underneath or above the protective layer in order to protect the insulation layer against impacts and squeezing; the foil may be covered with a fluoropolymer coating for chemical protection; the multi wire layer includes a threaded-through high strength thread to hold the foil against the insulation underneath.

IPC 1-7
H05B 3/56

IPC 8 full level
H05B 3/56 (2006.01)

CPC (source: EP US)
H05B 3/56 (2013.01 - EP US)

Citation (examination)
• US 4617449 A 19861014 - WEITZEL HAROLD B [US], et al
• FRANK A., BIEDERBICK K.: "Kunststoff-Kompendium", VOGEL, WUERZBURG

Cited by
CN103415097A; DE10325517A1; US7220916B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
US 5521358 A 19960528; AT E155635 T1 19970815; DE 4302695 A1 19940804; DE 59403333 D1 19970821; EP 0609771 A1 19940810; EP 0609771 B1 19970716; FI 108329 B 20011231; FI 940470 A0 19940201; FI 940470 A 19940802; NO 940323 D0 19940131; NO 940323 L 19940802

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US 18943794 A 19940131; AT 94101175 T 19940127; DE 4302695 A 19930201; DE 59403333 T 19940127; EP 94101175 A 19940127; FI 940470 A 19940201; NO 940323 A 19940131