

Title (en)
HEAT-RESISTANT ELECTRICAL CONDUCTING WIRE

Publication
EP 0125747 A3 19850109 (EN)

Application
EP 84300886 A 19840213

Priority
US 46750083 A 19830218

Abstract (en)
[origin: EP0125747A2] An electrical conducting wire (11), capable of withstanding high continuous operating temperatures without emitting smoke or halogens and without supporting flame, includes a conductive core (20) of nickel, or copper or iron plated with tin, nickel or silver and surrounded by a plurality of successive insulating layers (30, 40) of polyimide film strip or tape (31, 41). The first of such layers (30) is formed by helically winding the tape of polyimide film about the core with adjacent edges overlapping. Each successive layer (10) is helically wound in the opposite direction and surrounding the next inner layer. A braided fiberglass jacket (50) encases the core (20) and the insulating polyimide film layers (30, 40).

IPC 1-7
H01B 7/34

IPC 8 full level
H01B 7/29 (2006.01)

CPC (source: EP)
H01B 7/292 (2013.01)

Citation (search report)

- [X] US 3425865 A 19690204 - SHELTON CHARLES F JR
- [Y] US 3462544 A 19690819 - KING GEORGE E S
- [X] US 4051324 A 19770927 - ANDERSON ROBERT W, et al
- [A] FR 2095196 A1 19720211 - DU PONT
- [A] FR 2291585 A1 19760611 - SCHWEIZERISCHE ISOLAWERKE [CH]

Cited by
EP0363064A1; EP1168375A4; DE4323229A1; DE4323229C2; EP0417656A3; CN109003713A

Designated contracting state (EPC)
BE DE FR GB SE

DOCDB simple family (publication)
EP 0125747 A2 19841121; EP 0125747 A3 19850109

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EP 84300886 A 19840213