

Title (en)  
ELECTRICAL INSULATION

Publication  
**EP 0103487 A3 19840801 (EN)**

Application  
**EP 83305380 A 19830914**

Priority  
US 41835582 A 19820915

Abstract (en)  
[origin: EP0103487A2] Electrical insulation comprises (1) an inner layer of a cross-linked polymer, e.g. an ethylene/tetrafluoroethylene copolymer, an ethylene/chlorotrifluoroethylene polymer or a vinylidene fluoride polymer, and (2) an outer layer of an aromatic polymer having a glass transition temperature of at least 100 DEG C, e.g. a polyether ether ketone, a polyether ketone or a polyether sulfone. Such insulation combines excellent properties under normal service conditions with low smoke evolution on burning, and is therefore particularly useful for aircraft wire and cable.

IPC 1-7  
**H01B 3/30**

IPC 8 full level  
**H01B 7/02** (2006.01); **H01B 3/30** (2006.01); **H01B 3/44** (2006.01); **H01B 7/29** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP)  
**H01B 3/30** (2013.01); **H01B 3/441** (2013.01); **H01B 7/295** (2013.01)

Citation (search report)

- [A] EP 0040034 A1 19811118 - BRITISH INSULATED CALLENDERS [GB]
- [A] US 3217084 A 19651109 - FEICK III GEORGE
- [A] US 3294604 A 19661227 - FEICK III GEORGE

Cited by  
US6296935B1; EP0301543A3; EP0151904A1; WO9904402A1; WO8900758A1; WO8900757A1

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

DOCDB simple family (publication)  
**EP 0103487 A2 19840321; EP 0103487 A3 19840801; EP 0103487 B1 19860813**; AT E21462 T1 19860815; CA 1214528 A 19861125; DE 3365309 D1 19860918; GB 2127210 A 19840404; GB 2127210 B 19860122; GB 8324662 D0 19831019; JP H0517642 B2 19930309; JP S5973807 A 19840426

DOCDB simple family (application)  
**EP 83305380 A 19830914**; AT 83305380 T 19830914; CA 436688 A 19830914; DE 3365309 T 19830914; GB 8324662 A 19830914; JP 17054483 A 19830914