

Title (en)  
SHIELDED ELECTRIC COMPONENTS.

Title (de)  
ABGESCHIRMTE ELEKTRISCHE KOMPONENTEN.

Title (fr)  
COMPOSANTS ELECTRIQUES BLINDES.

Publication  
**EP 0111553 A4 19861002 (EN)**

Application  
**EP 83902221 A 19830614**

Priority  
• US 38831082 A 19820614  
• US 40050982 A 19820721

Abstract (en)  
[origin: WO8400078A1] An electrical component such as a fuse is modified so that the ends of the component are the electrical and mechanical equivalent to the ends of a high voltage shielded power cable and can be terminated to electrical equipment or jointed to high voltage power cables using conventional techniques. For example, the modified ends of the component can be connected to such equipment or cables by means of a typical high voltage separable insulated connector, such as a standard elbow connector or separable joint. The electrical component is provided with a pair of elongated conductors (16, 18) extending from each end (12, 14) of the component (10) with an insulating layer (22) covering the component and at least a portion of the conductors, leaving the ends of the conductors free of insulation, and an outer conductive shield (24) over the insulating layer. A corona control layer (20) can be positioned between the insulating layer and the component, if required to suppress corona discharge. The corona control layer can be of a semi-conductive polymer-based material. The corona control layer, insulation layer and outer shield can be applied as heat-shrinkable tubing.

IPC 1-7  
**H01H 85/00**

IPC 8 full level  
**H01H 85/143** (2006.01); **H01H 85/20** (2006.01); **H01R 13/53** (2006.01)

CPC (source: EP)  
**H01H 85/143** (2013.01); **H01H 85/201** (2013.01); **H01R 13/53** (2013.01); **H01H 2085/0008** (2013.01); **H01H 2085/0225** (2013.01)

Cited by  
CN104221220A; DE4444151A1; US10998651B2; WO0229737A3

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

DOCDB simple family (publication)  
**WO 8400078 A1 19840105**; CA 1216015 A 19861230; DE 3380000 D1 19890706; EP 0111553 A1 19840627; EP 0111553 A4 19861002; EP 0111553 B1 19890531; GB 2125637 A 19840307; GB 2125637 B 19861231; GB 8316210 D0 19830720

DOCDB simple family (application)  
**US 8300926 W 19830614**; CA 430354 A 19830614; DE 3380000 T 19830614; EP 83902221 A 19830614; GB 8316210 A 19830614