

Title (en)

High voltage outdoor electrical bushing assembly.

Title (de)

Anordnung einer elektrischen Hochspannungsdurchführung für draussen.

Title (fr)

Ensemble de traversée électrique haute tension pour l'extérieur.

Publication

**EP 0446404 A1 19910918 (EN)**

Application

**EP 90109975 A 19900525**

Priority

US 49010190 A 19900313

Abstract (en)

In a high voltage outdoor electrical bushing assembly (20) for use, for example, as an entrance bushing on high voltage electrical equipment, such as an interrupter or the like, a portion is formed from an indoor bushing (22) adapted to be connected to a shielded electrical cable which meets the dimensional industrial standard for indoor bushings. More specifically, the high voltage outdoor electrical bushing assembly (20) may include an indoor electrical bushing formed from a resinous material, such as an epoxy, and a complementary bushing adapter (24) including a weathershed formed from an elastomeric material, which provides the additional clearance required for outdoor applications. The bushing adapter (24) may also provide electrical stress relief at the elastomer to air interface and the elastomer to epoxy interface. Because of the standardization of the bushing (22) used for both indoor and outdoor applications, the cost of manufacturing outdoor bushings can be substantially reduced. <IMAGE>

IPC 1-7

**H01B 17/26**

IPC 8 full level

**H01B 17/26** (2006.01)

CPC (source: EP)

**H01B 17/26** (2013.01)

Citation (search report)

- [X] EP 0283897 A2 19880928 - KABEL & LACKDRAHTFAB GMBH [DE]
- [Y] GB 2212005 A 19890712 - PIRELLI GENERAL PLC [GB]
- [Y] GB 943578 A 19631204 - WESTINGHOUSE ELECTRIC CORP
- [Y] EP 0036243 A1 19810923 - AMERACE CORP [US]
- [Y] US 3861777 A 19750121 - CLARK ROBERT M

Cited by

EP2312717A3; FR2769123A1; EP1009002A1; FR2786943A1; FR2767959A1; US6156979A; EP0905721A3; WO2004068637A3; WO2019025023A1

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