

Title (en)  
ELECTRICAL BUSHING AND METHOD OF MANUFACTURE THEREOF

Publication  
**EP 0075471 B1 19860326 (EN)**

Application  
**EP 82304933 A 19820920**

Priority  
US 30423381 A 19810921

Abstract (en)  
[origin: EP0075471A1] An electric bushing comprises an electrical conductor (6), a first insulating layer (12) on the conductor, a stress grading layer (14) over the insulating layer, and an outer insulating layer (4) mechanically connected to a flange (2) which is electrically connected to the stress grading layer in such a manner that minimal, if any, mechanical stress is transmitted from the flange (2) to the stress-grading layer (14). The flange (2) serves to mount the bushing on to the metal housing of an electrical apparatus, such as switchgear or transformers. The flange (2) is of metal or contains a metal element and is electrically connected to the housing, when installed, making an electrical connection between the housing and the stress grading layer (14). The outer insulating layer (4) is sealed to the end regions (8, 10) of the electrical conductor (6) providing mechanical attachment between the conductor (6) and the flange (2) which secures the bushing to the electrical apparatus.

IPC 1-7  
**H01B 17/28**

IPC 8 full level  
**H01B 17/26** (2006.01); **H01B 17/28** (2006.01); **H01B 17/42** (2006.01); **H01B 19/00** (2006.01)

CPC (source: EP)  
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Cited by  
EP3992991A1; US4847450A; CN113412522A; US7812266B2; WO2008074166A1

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