

Title (en)

HIGH-TENSION FEED-THROUGH WITH LAYERS OF IMPRINTED INSULATING FOILS

Publication

EP 0032687 B1 19830511 (DE)

Application

EP 81100116 A 19810109

Priority

DE 3001779 A 19800118

Abstract (en)

[origin: US4362897A] A high voltage insulator bushing is formed of wound insulating foils and is provided with conductive parts which are at different electric potentials and with a wound insulator body arranged between the conductive parts. The wound insulator body contains layers of an embossed insulating foil which consists of a plastic material which shrinks above a predetermined temperature. The embossed insulating foil is subjected to a thermal shrinking treatment prior to being wound as part of the insulator body. Such preshrinking prevents further shrinkage which would occur when the high voltage bushing is operated. Smooth insulating foil may be wound as part of the insulator body so as to be interposed between the layers of the embossed insulating foil. The gaps and voids which are formed between the layers of insulating foils caused by the irregular surface of the embossed insulating foil are filled with an insulating medium.

IPC 1-7

H01B 17/28

IPC 8 full level

H01B 17/28 (2006.01)

CPC (source: EP US)

H01B 17/28 (2013.01 - EP US)

Citation (examination)

- CH 405450 A 19660115 - MOSER GLASER & CO AG [CH]
- DE 6937778 U 19720615 - SIEMENS AG [DE]
- "3rd. International Symposium on High Voltage Engineering" Bericht 32.09 (Aug. 1979)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 81100116 A 19810109; AT 81100116 T 19810109; DE 3001779 A 19800118; US 22125680 A 19801230