

Title (en)

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

Publication

EP 0032687 A3 19811118 (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 (search report)

- US 3397098 A 19680813 - HANS FELIX
- GB 991546 A 19650512 - REYROLLE A & CO LTD
- CH 533377 A 19730131 - GEN CABLE CORP [US]

Designated contracting state (EPC)

AT CH GB IT SE

DOCDB simple family (publication)

EP 0032687 A2 19810729; EP 0032687 A3 19811118; EP 0032687 B1 19830511; AT E3343 T1 19830515; DE 3001779 A1 19810723; DE 3001779 C2 19870102; US 4362897 A 19821207

DOCDB simple family (application)

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