

Title (en)

PROCESS FOR MANUFACTURING A LIGHTNING ARRESTER, AND LIGHTNING ARRESTER OBTAINED BY THIS PROCESS

Publication

EP 0274674 B1 19910508 (FR)

Application

EP 87118254 A 19871209

Priority

FR 8617424 A 19861212

Abstract (en)

[origin: US4833438A] A double molded over method of manufacturing a lightning arrester in which a central core 1 is made of zinc oxide in a first step, then two metal end fittings 5, 6 are molded onto the end faces and over the side thereof, and finally a coating of elastomer material 7 is molded around the side wall of the central core and over side portions of the end fittings. The core may be formed of a plurality of smaller section bars of zinc oxide regularly disposed about a longitudinal axis with the end fittings molded onto the end faces and about the sides of the end bars whose end faces are partially metallized. In a further variant, a stack of zinc oxide based pellets having the same cross-sectional area as the core in the first example, with the stack having the same overall length as the core if stiffened by thermal compression with fusible metal inserted between pairs of pellets. The stack assembly is then compressed mechanically in conjunction with heat treatment to effect very good mechanical bonding. The core assembly formed thereby is treated as above.

IPC 1-7

H01C 7/12

IPC 8 full level

H01T 1/16 (2006.01); **H01C 7/12** (2006.01)

CPC (source: EP US)

H01C 7/12 (2013.01 - EP US); **Y10T 29/49087** (2015.01 - EP US); **Y10T 29/49101** (2015.01 - EP US)

Cited by

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