

Title (en)
ENCAPSULATED OVERVOLTAGE ARRESTER

Publication
EP 0036046 B1 19840314 (DE)

Application
EP 80200386 A 19800428

Priority
CH 214880 A 19800319

Abstract (en)
[origin: WO8102812A1] In an overvoltage shunting device enclosed in an electrically conductive, earthed housing (1), and comprising shunting elements (2) in the shape of stacked discs in at least one column and a protection and control body in order to obtain a linear distribution of the potential along the active part (3), it is possible to obtain with the aid of simple means, also in overvoltage shunting devices produced in small series, a good distribution of the electrical field. For this purpose, the protection and control body is composed of two electrically conductive layers (6) surrounding approximatively concentrically the active part (3) of the device, each one being electrically insulated from the others and wrapped in a body (5) of an insulating material. These layers are disposed parallel to the axis of the column of the active part (3) and shifted from one another at their opposite ends on the high voltage conductive side of the active part (3), so as to form a stair way on their internal side facing the active part (3). In such an overvoltage shunting device the linearisation of the voltage drop along the active part (3) is simply obtained and thus the device is not only characterized by its low production cost but also by its extreme compactness. To this must be added the possibility of partially resorting, for the production of such a device, to the technologies used for producing capacitor crossings.

IPC 1-7
H01T 5/04; H01C 7/12

IPC 8 full level
B23C 5/22 (2006.01); **H01C 7/12** (2006.01); **H01T 4/20** (2006.01)

CPC (source: EP US)
H01T 4/20 (2013.01 - EP US)

Cited by
EP1603140A1; EP1603141A1; US7369390B2

Designated contracting state (EPC)
CH DE LI SE

DOCDB simple family (publication)
EP 0036046 A1 19810923; EP 0036046 B1 19840314; BR 8107092 A 19820209; DE 3066927 D1 19840419; HU 186886 B 19851028; JP S56500799 A 19810618; JP S57500356 A 19820225; JP S6126449 B2 19860620; SU 1166672 A3 19850707; US 4408249 A 19831004; WO 8102812 A1 19811001

DOCDB simple family (application)
EP 80200386 A 19800428; BR 8107092 A 19810226; CH 8100022 W 19810226; DE 3066927 T 19800428; HU 153181 A 19810226; JP 50068781 A 19810226; JP 50100679 A 19790619; SU 3358453 A 19811118; US 32439281 A 19811117