

Title (en)
SURGE ARRESTER WITH A COLUMN OF SURGE ELEMENTS AND SCREENING BODIES

Publication
EP 0037364 B1 19840718 (DE)

Application
EP 81730024 A 19810309

Priority
DE 3012741 A 19800328

Abstract (en)
[origin: US4369480A] Disclosed is an overvoltage arrester in which the active part comprises a number of shielding elements with arrester elements fastened thereto in the interior thereof. The shielding elements along the inner circumference thereof have a circular depression for electrically and mechanically connecting the arrester elements to the shielding elements. The shielding elements are connected to each other by insulating support members and conducting support members. The arrester elements can be arranged in a star- or cross-shaped structure at the center of which conducting or insulating connecting members may be provided. Arresters according to the invention are particularly suited for use in pressurized gas-insulated metal-encapsulated high-voltage switching installations in conjunction with arrester elements having voltage-dependent resistors of the zinc oxide type. The active part of the arresters according to the invention can be installed outdoors without a housing. In addition to zinc oxide resistors, resistors of other non-linear materials can be used for the arrester elements.

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CPC (source: EP US)
H01C 7/123 (2013.01 - EP US); **H01T 4/20** (2013.01 - EP US)

Citation (examination)

- DE 2037921 B2 19720817
- CH 239487 A 19451015 - OERLIKON MASCHF [CH]
- CH 304299 A 19541231 - BBC BROWN BOVERI & CIE [CH]
- CH 303429 A 19541130 - BBC BROWN BOVERI & CIE [CH]
- US 2946920 A 19600726 - MARTIN FERNAND [BE]

Cited by
CN114843055A; EP0061990A1

Designated contracting state (EPC)
AT CH FR GB LI SE

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