Title (en)

GAS-DISCHARGE ARRESTER AND FABRICATION METHOD

Publication

EP 0138082 B1 19880127 (DE)

Application

EP 84111068 A 19840917

Priority

DE 3335602 A 19830930

Abstract (en)

[origin: US4665337A] For the reduction of the work function of the electrodes, gas discharge arresters contain an activator which contains, for example, an alkali metal or nickel. Getter materials, for example barium aluminum, serve the purpose of gettering of gases which can arise in the surge voltage arrester during manufacture or during operation. With these substances, the spreads of the minium operating voltage can be maintained small as long as the activator is only moderately heated. For high loads, the activator contains an alkali metal or nickel and, in addition, barium aluminum, whereby tungsten and/or molybdenum is present as the additional substance. An activator of this type guarantees constant values of the minumum operating voltage and a narrow spread of these values even after a high electrical and thermal load. A frequent switching of the maximally permissible current is possible without an interfering alteration of the electrical characteristics.

IPC 1-7

H01T 1/22

IPC 8 full level

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CPC (source: EP US)

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Cited by

US5671114A; DE19632417C1; EP0242688A1; US4739439A; EP0242590B1; EP0700589B1

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