

Title (en)
DISCHARGER ARRANGEMENT FOR HIGH MEASUREMENT VOLTAGES

Title (de)
FUNKENSTRECKENANORDNUNG FÜR HÖHERE BEMESSUNGSSPANNUNGEN

Title (fr)
SYSTÈME D'ÉCLATEURS POUR TENSIONS NOMINALES ÉLEVÉES

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Abstract (en)
[origin: WO2009050152A1] The invention relates to a discharger arrangement for high measurement voltages, wherein at least two dischargers comprising opposing electrodes are connected in series, and at least one of the dischargers is active, that is, can be triggered, and having an overvoltage protection device for use as a grid arrester capable of bearing lightning current, for use as a grid arrester capable of bearing lightning current. According to the invention, the dischargers are located in an explosion-proof encapsulation having at least one pressure equalization opening. An insert bridging the distance between the main electrodes of the passive discharger is further made of a low-impedance material, wherein the low-impedance material has strongly non-linear behavior under current load with regard to off-peak residual voltage, wherein the overcurrent protection device further comprises a series circuit of a plurality of fusible elements forming a geometrically prescribed mechanical and electrical combination.

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