

Title (en)

OVERVOLTAGE ARRESTER HAVING AT LEAST ONE ARRESTING ELEMENT, PARTICULARLY A VARISTOR, AND HAVING A DISCONNECT DEVICE

Title (de)

ÜBERSpannungsABLEITER MIT MINDESTENS EINEM ABLEITELEMENT, INSBESONDERE EINEM VARISTOR, SOWIE MIT EINER ABTRENNVORRICHTUNG

Title (fr)

PARAFoudre AVEC AU MOINS UN ELEMENT DE DERIVATION, EN PARTICULIER UNE VARISTANCE, ET AVEC UN DISPOSITIF SECTIONNEUR

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Abstract (en)

[origin: WO2009050151A1] The invention relates to an overvoltage arrester having at least one arresting element, particularly a varistor, and having a disconnect device in order to disconnect and/or short-circuit the arresting element or elements from the grid, wherein the disconnect device comprises a fusible point, particularly a solder point, integrated in the electrical connection path within the arrester, wherein a displaceable conductor segment is connected via the fusible point to the arrester element on one side, and the conductor segment is connected on the other side to a first exterior connection, and a means for generating a pretensioning force, particularly a spring, wherein the force vector acts directly or indirectly on the conductor segment in the direction of disconnection, further comprising a conductive element, the first end of which is connected to a second electrical exterior connection, and the second end of which can be brought into contact with the conductor segment. According to the invention, a stop device that can be thermally triggered is in the motion path of the conductor segment, between the fusible point and the conductive element, said device implementing a staged functionality with regard to disconnecting and short-circuiting the respective arrester element.

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