

Title (en)
SURGE ARRESTER

Title (de)
ÜBERSpannungsableiter

Title (fr)
PARAFoudre

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Application
EP 15713185 A 20150327

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Abstract (en)
[origin: WO2015150253A1] The invention relates to a surge arrester (1) for use in the power supply of low-voltage networks, in particular for use between a neutral conductor N and a potential equalization means PE, comprising a cylindrical housing (2), two electrodes (3, 4) arranged axially opposite each other, and an arc chamber (5) formed inside the housing (2), wherein the arc chamber (5) is axially bounded by the two electrodes (3, 4) and a spark gap is formed between the two electrodes (3, 4) such that an arc is produced when the spark gap between the two electrodes (3, 4) is ignited. In the case of the surge arrester according to the invention, the blowing out of ionized gases can be dispensed, because two chambers (6, 7) are formed within the housing (2), each of which two chambers is connected to the arc chamber (5) by means of two channels (8, 9) such that hot ionized gas can flow from the arc chamber (5) into the chambers (6, 7) after the ignition of the spark gap, wherein the volume of the two chambers (6, 7) together is greater than the volume of the arc chamber (5) and wherein the two chambers (6, 7) are arranged on opposite sides of the arc chamber (5) in a longitudinal direction of the housing (2) and each have an axial and a radial distance from the arc chamber (5).

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