

Title (en)

DEVICE FOR THE FAST DISCHARGE, WITHOUT AN ARC, OF THE CAPACITY OF A HIGH TENSION SOURCE

Publication

EP 0135424 B1 19870304 (FR)

Application

EP 84401611 A 19840801

Priority

FR 8313462 A 19830818

Abstract (en)

[origin: EP0135424A1] 1. Apparatus for the rapid discharge, without an arc, of a high dc voltage source whose capacitance, coupled to the impedance of a user circuit, is excessive in value, in which apparatus of two electrodes (2, 3) which are respectively connected to the two poles of the source, one at least is projected towards the other by a tripping means (120) along a trajectory providing for relative approach movement until contact occurs characterised in that the electrodes, in a dielectric gas, are in the form of domes (2a, 3a, 102a, 103a) centred on the trajectory, one at least thereof being provided with an erectile needle (6, 7, 106, 107) adapted to project out of the dome (2a, 3a, 102a, 103a) in the direction of the trajectory in the course of the approach movement, in such a way that a brush discharge issues from the needle (6, 7, 106, 107) in the gas and discharges a substantial part of the charge of the capacitance, before contact.

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CPC (source: EP)

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