

Title (en)
Surge arrester device

Title (de)
Überspannungsschutzelement

Title (fr)
Dispositif dérivateur de surtensions

Publication
EP 0786844 A3 19971022 (DE)

Application
EP 97105664 A 19940530

Priority
• DE 4317933 A 19930531
• DE 4402615 A 19940128
• EP 94108276 A 19940530

Abstract (en)
[origin: US5604400A] An overvoltage protection element for discharging transient overvoltages, with two electrodes (2), a disruptive discharge-spark air between the electrodes (2) and a housing (4) containing the electrodes (2). Each electrode (2) has a connecting leg (5) and an arcing horn (6) which runs at an acute angle relative to the connecting leg (5). The disruptive discharge-spark air gap is formed by facing surfaces of the arcing horns (6) of the electrodes (2), which are spaced from one another. In preferred embodiments, the arcing horns (6) of the electrodes (2), in their areas near the connecting leg (5), are provided with at least one hole (7) running therethrough which, preferably, has a diameter that is less than 2 mm.

IPC 1-7
H01T 4/10; **H01T 4/14**; **H01T 1/20**

IPC 8 full level
H01T 1/20 (2006.01); **H01T 4/10** (2006.01); **H01T 4/14** (2006.01)

CPC (source: EP US)
H01T 1/20 (2013.01 - EP US); **H01T 4/10** (2013.01 - EP US); **H01T 4/14** (2013.01 - EP US)

Citation (search report)
• [XA] GB 939459 A 19631016 - LICENTIA GMBH
• [XA] CH 391069 A 19650430 - LICENTIA GMBH [DE]
• [A] DE 2007293 A1 19710211
• [A] FR 2337417 A1 19770729 - COMP GENERALE ELECTRICITE [FR]
• [A] DE 1802106 A1 19691016 - SPRECHER & SCHUH AG

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