Title (en)

GAS DISCHARGE OVERVOLTAGE ARRESTER

Publication

EP 0056282 B1 19851030 (DE)

Application

EP 82100197 A 19820113

Priority

DE 3100924 A 19810114

Abstract (en)

[origin: US4433354A] Gas-discharge surge arrester having two axially opposing main electrodes defining a discharge gap therebetween and a middle electrode coaxially and annularly surrounding the discharge gap and connected to the main electrodes, respectively, by a tubular insulating housing, at least one strip of electrically conductive material disposed on the inner surface of the tubular housing and extending over a part of the length thereof, including respective transition members disposed at the ends of the tubular insulating housing, the transition members respectively forming a part of the main electrodes, the main electrodes being double-cylindrically formed into steps inwardly and forming a discharge path, the middle electrode being formed as a hollow cylinder having a conically profiled outlet and forming a respective main discharge path with both of the main electrodes, the main electrodes and the middle electrode being mutually overlapping at a region whereat they are provided with an electrode activating material.

IPC 1-7

H01T 1/00; H01T 4/10

IPC 8 full level

H01T 2/02 (2006.01); **H01T 1/00** (2006.01); **H01T 1/20** (2006.01); **H01T 1/22** (2006.01); **H01T 4/10** (2006.01); **H01T 4/12** (2006.01)

CPC (source: EP US)

H01T 1/20 (2013.01 - EP US); **H01T 1/22** (2013.01 - EP US)

Citation (examination)

- US 4187526 A 19800205 - HEINSE KLAUS D [DE], et al
- US 3775642 A 19731127 - LANGE G
- DE 2828409 A1 19800103 - SIEMENS AG

Cited by

CN111295809A; DE19804851C1; CN106877178A; US11431154B2; WO2021249998A3; WO8502723A1; EP0181959B1

Designated contracting state (EPC)

CH DE FR GB LI SE

DOCDB simple family (publication)

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EP 82100197 A 19820113; CA 394057 A 19820113; DE 3100924 A 19810114; DE 3267070 T 19820113; JP 397882 A 19820113; US 33915782 A 19820113