

Title (en)

METAL-ENCAPSULATED GAS-INSULATED HIGH-VOLTAGE INSTALLATION WITH AN OVERVOLTAGE ARRESTER

Publication

EP 0236257 B1 19891227 (DE)

Application

EP 87730011 A 19870203

Priority

DE 3604785 A 19860213

Abstract (en)

[origin: US4754363A] In a metal-encapsulated gas-insulated high-voltage installation with an overvoltage arrester which is arranged in a separate encapsulation and is connected via a gastight feedthrough to the conductor of the high-voltage installation, fault arcs can lead to heavy stresses of the overvoltage arrester by dynamic forces due to overloading. In order to prevent this, there are provided in the connection between the feedthrough and the overvoltage arrester two electrode-shaped support bodies, between which a flexible current-carrying ribbon is arranged. The cross section of the current-carrying ribbon is designed so that it melts at currents of a magnitude which is equal to or larger than that required for the pressure relief of the overvoltage arrester after the arc has been blown out of the arresting housing. Thereby, the overvoltage arrester and the feedthrough are mechanically decoupled.

IPC 1-7

H01T 1/14; H01T 1/15; H01T 4/08

IPC 8 full level

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CPC (source: EP US)

H01T 1/14 (2013.01 - EP US); **H01T 1/15** (2013.01 - EP US); **H01T 4/08** (2013.01 - EP US); **B26D 2007/0068** (2013.01 - EP US)

Citation (examination)

- DE 2247996 A1 19740411 - SIEMENS AG
- DE 1438235 A1 19681114 - WESTINGHOUSE ELECTRIC CORP
- DE 2247997 A1 19740411 - SIEMENS AG
- DE 2324744 A1 19740612 - SPRECHER & SCHUH AG
- DE 2354459 A1 19750515 - TRANSFORMATOREN UNION AG
- DE 1290241 B 19690306 - BBC BROWN BOVERI & CIE

Cited by

AU606223B2; WO2012092547A1; WO2012092551A1; US9546227B2

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