

Title (en)

Protection device comprising a fuse and an insulation element for switching off, and use of said device in a lightning arrester

Title (de)

Mit einer Schmelzsicherung und einem aus Isoliermaterial hergestellten Ausschaltelement versehene Schutzvorrichtung, und ihre Anwendung bei Überspannungsableitern

Title (fr)

Dispositif de protection électrique à fusible et pièce isolante de rupture, et application aux cellules parafoudre

Publication

EP 1708221 B1 20110504 (FR)

Application

EP 06290454 A 20060321

Priority

FR 0503100 A 20050330

Abstract (en)

[origin: EP1708221A2] The device has an insulator (3) exerting an elastic force on a fuse, where the fuse secures an electrical connection between connection studs (11, 12) in its operational configuration and breaks the connection in its final breaking configuration under the effect of a temperature rise and the force. The insulator has two wings respectively adjacent to the studs and with front edges supported on the fuse in the operational configuration, where the ends of the fuse are mechanically maintained by the respective studs against a traction force along a direction in which the studs are aligned. An independent claim is also included for a lightning arrester using this protection device.

IPC 8 full level

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CPC (source: EP)

H01C 7/126 (2013.01); **H01H 37/761** (2013.01); **H01H 2085/381** (2013.01)

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