

Title (en)

Protection device having a crimped element biased in the switching off direction, and use of said device in a lightning arrester

Title (de)

Mit einem pressverbunden und in der Ausschalttrichtung vorgespannten Schmelzelement versehene Schutzvorrichtung, und ihre Anwendung bei Überspannungsableitern

Title (fr)

Dispositif de protection électrique à pièce fusible sertie sollicitée à la rupture, et application aux cellules parafoudre

Publication

EP 1708222 A3 20070829 (FR)

Application

EP 06290455 A 20060321

Priority

FR 0503101 A 20050330

Abstract (en)

[origin: EP1708222A2] The device has a fuse (2) with two ends (21, 22) in electrical and mechanical contact with two connection studs (11, 12), respectively, where the studs and the ends of the fuse are equipped with the respective mechanical retaining units. The retaining units and the fuse are structured such that a forced fitting of the fuse in each stud causes an elastic deformation of a metallic blank constituting the stud. An insulator has two wings, respectively, adjacent to the studs and with front edges supported on the fuse in an operational configuration of the fuse.

IPC 8 full level

H01H 37/76 (2006.01); **H01C 7/12** (2006.01); **H01H 9/32** (2006.01)

CPC (source: EP)

H01C 7/126 (2013.01); **H01H 9/32** (2013.01); **H01H 37/761** (2013.01); **H01H 2085/381** (2013.01)

Citation (search report)

- [A] BE 481459 A
- [A] US 4451814 A 19840529 - BARRY LEON G [US], et al
- [A] US 2149773 A 19390307 - HUNTLEY GEORGE W
- [A] US 6430019 B1 20020806 - MARTENSON KENNETH R [US], et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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