

Title (en)

Device for protection against voltage surges with single-piece jointing areas and electrodes

Title (de)

Vorrichtung zum Schutz gegen Überspannungen mit Verbindungsbereichen und Monoblock-Elektroden

Title (fr)

Dispositif de protection contre les surtensions avec plages de raccordement et électrodes monoblocs

Publication

EP 1914850 B2 20130605 (FR)

Application

EP 07291267 A 20071017

Priority

FR 0609236 A 20061020

Abstract (en)

[origin: EP1914850A1] The device (1) has connecting terminals (3, 4) e.g. elastic straps, electrically connecting the device to an electrical installation i.e. power supply apparatus, and electrodes (5, 6) delimiting an inter-electrode space (7) that forms a spark-gap. A connection unit (10) electrically connects the terminals with the respective electrodes. The electrodes (5, 6), the unit (10) and another connection unit (11) are constituted of respective materials, where the materials are identical and are chosen from copper i.e. brass, and iron i.e. stainless steel. An independent claim is also included for a method for manufacturing an electrical installation protecting device.

IPC 8 full level

H01T 4/14 (2006.01)

CPC (source: EP)

H01T 4/14 (2013.01)

Citation (opposition)

Opponent :

- DE 3716997 A1 19881208 - PHOENIX ELEKT [DE]
- DE 91133 C

Cited by

CN102948023A; DE102011102257B4; DE102011123020B3; WO2011151262A1; WO2020260400A1; WO2012016743A1; DE102011102257A1; US9019680B2; DE102016115223A1; WO2017080806A1; DE102016115223B4

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1914850 A1 20080423; EP 1914850 B1 20091230; EP 1914850 B2 20130605; AT E453940 T1 20100115; DE 602007004053 D1 20100211; FR 2907606 A1 20080425; FR 2907606 B1 20090109

DOCDB simple family (application)

EP 07291267 A 20071017; AT 07291267 T 20071017; DE 602007004053 T 20071017; FR 0609236 A 20061020