

Title (en)

OVERVOLTAGE PROTECTION DEVICE WITH IMPROVED FOLLOW CURRENT INTERRUPTING CAPACITY

Title (de)

ÜBERSpannungs-SCHUTZEINRICHTUNG MIT VERBESSERTER FOLGESTROM-UNTERBRECHUNGSKAPAZITÄT

Title (fr)

DISPOSITIF DE PROTECTION CONTRE DES SURTENSIONS A CAPACITE DE COUPURE DE COURANT DE SUITE AMELIOREE

Publication

EP 1709716 A1 20061011 (FR)

Application

EP 04817618 A 20041230

Priority

- FR 2004003415 W 20041230
- FR 0315576 A 20031230

Abstract (en)

[origin: FR2864714A1] The arrester has a spark gap (2) with an intrinsic follow current interrupting capacity. An improvement unit (5) cooperates with the gap such that the arrester has a resultant follow current interrupting capacity that is greater than the intrinsic capacity. The unit has a limitation unit (6) to limit intensity of current traversing the gap. The unit (5) has a non-self inductive resistive unit (9) mounted in series with the gap. An independent claim is also included for a method of improving follow current interrupting capacity of a lightning arrester.

IPC 8 full level

H01T 1/16 (2006.01); **H02H 9/06** (2006.01)

CPC (source: EP US)

H01T 1/16 (2013.01 - EP US); **H02H 9/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2005074082A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

FR 2864714 A1 20050701; FR 2864714 B1 20060512; BR PI0418451 A 20070522; CN 1902794 A 20070124; EP 1709716 A1 20061011; RU 2006127424 A 20080210; US 2007223171 A1 20070927; WO 2005074082 A1 20050811; ZA 200606096 B 20070530

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