

Title (en)

OVERVOLTAGE PROTECTION DEVICE

Title (de)

BERSPANNUNGSSCHUTZEINRICHTUNG

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS

Publication

EP 1456921 A1 20040915 (DE)

Application

EP 02798338 A 20021216

Priority

- DE 10162149 A 20011217
- DE 10212697 A 20020321
- EP 0214294 W 20021216

Abstract (en)

[origin: WO03052892A1] Disclosed is an overvoltage protection device comprising a first electrode (1), a second electrode (2), a spark gap (3) through which air flows and which operates between the two electrodes (1, 2), and a housing (4) accommodating the electrodes (1, 2). An electric arc (5) is generated between the two electrodes (1, 2) when said spark gap (3) is ignited. The inventive overvoltage protection device has a particularly high network follow current quenching capability while being easy to build due to an impedance (6) which is connected in parallel to the spark gap (3) and an isolating distance (8) which is serially connected to the parallel connection (7) between the spark gap (3) and the impedance (6).

IPC 1-7

H01T 4/12

IPC 8 full level

H01T 4/12 (2006.01)

CPC (source: EP US)

H01T 4/12 (2013.01 - EP US)

Citation (search report)

See references of WO 03052892A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03052892 A1 20030626; CN 1613171 A 20050504; DE 20220908 U1 20040729; EP 1456921 A1 20040915; EP 1456921 B1 20090916; RU 2004121978 A 20060120; RU 2292615 C2 20070127; US 2005041349 A1 20050224

DOCDB simple family (application)

EP 0214294 W 20021216; CN 02825278 A 20021216; DE 20220908 U 20020321; EP 02798338 A 20021216; RU 2004121978 A 20021216; US 49960904 A 20040616