

Title (en)
OVERVOLTAGE PROTECTION DEVICE

Title (de)
ÜBERSpannungSSchutzGerät

Title (fr)
Appareil de protection contre les surtensions

Publication
EP 3417518 A1 20181226 (DE)

Application
EP 17706434 A 20170217

Priority
• DE 102016202522 A 20160218
• EP 2017053591 W 20170217

Abstract (en)
[origin: WO2017140830A1] The invention relates to an overvoltage protection device (1), comprising a housing (G), a first overvoltage protection system (ÜSE1), and a second overvoltage protection system (ÜSE2), wherein the first overvoltage protection system (ÜSE1) has a first connection (A1-ÜSE1) and a second connection (A2-ÜSE1) and the second overvoltage protection system (ÜSE2) likewise has a first connection (A1-ÜSE2) and a second connection (A2-ÜSE2), wherein the first overvoltage protection system (ÜSE1) and the second overvoltage protection system (ÜSE2) are selected from a group comprising a TVS diode, varistor, gas-filled surge arrester, and a spark gap, wherein the first overvoltage protection system (ÜSE1) is different from the second overvoltage protection system (ÜSE2), wherein the respective first connections (A1-ÜSE1, A1-ÜSE2) and second connections (A2-ÜSE1, A2-ÜSE2) are connected by means of at least one resistor (R), wherein the resistor (R) is formed of an organic electrically conductive material.

IPC 8 full level
H01C 7/12 (2006.01); **H01T 1/16** (2006.01); **H01T 4/04** (2006.01); **H01T 4/06** (2006.01); **H01T 4/10** (2006.01); **H01T 4/12** (2006.01); **H01T 21/00** (2006.01)

CPC (source: EP)
H01T 1/16 (2013.01); **H01T 4/04** (2013.01); **H01T 4/06** (2013.01); **H01T 4/10** (2013.01); **H01T 4/12** (2013.01); **H01T 21/00** (2013.01); **H01C 7/12** (2013.01)

Citation (search report)
See references of WO 2017140830A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017140830 A1 20170824; CN 109075535 A 20181221; CN 109075535 B 20200414; DE 102016202522 A1 20170824; EP 3417518 A1 20181226; EP 3417518 B1 20201104

DOCDB simple family (application)
EP 2017053591 W 20170217; CN 201780012021 A 20170217; DE 102016202522 A 20160218; EP 17706434 A 20170217