

Title (en)
DISCHARGER ARRANGEMENT FOR HIGH MEASUREMENT VOLTAGES

Title (de)
FUNKENSTRECKENANORDNUNG FÜR HÖHERE BEMESSUNGSSPANNUNGEN

Title (fr)
SYSTÈME D'ÉCLATEURS POUR TENSIONS NOMINALES ÉLEVÉES

Publication
EP 2064787 B1 20100224 (DE)

Application
EP 08832776 A 20081014

Priority
• EP 2008063765 W 20081014
• DE 102007049403 A 20071015
• DE 102008049458 A 20080929

Abstract (en)
[origin: WO2009050152A1] The invention relates to a discharger arrangement for high measurement voltages, wherein at least two dischargers comprising opposing electrodes are connected in series, and at least one of the dischargers is active, that is, can be triggered, and having an overvoltage protection device for use as a grid arrester capable of bearing lightning current, for use as a grid arrester capable of bearing lightning current. According to the invention, the dischargers are located in an explosion-proof encapsulation having at least one pressure equalization opening. An insert bridging the distance between the main electrodes of the passive discharger is further made of a low-impedance material, wherein the low-impedance material has strongly non-linear behavior under current load with regard to off-peak residual voltage, wherein the overcurrent protection device further comprises a series circuit of a plurality of fusible elements forming a geometrically prescribed mechanical and electrical combination.

IPC 8 full level
H01T 4/16 (2006.01)

CPC (source: EP)
H01T 4/16 (2013.01)

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

DOCDB simple family (publication)
WO 2009050152 A1 20090423; AT E459118 T1 20100315; DE 102008049458 A1 20090430; DE 102008064794 B3 20170302; DE 502008000401 D1 20100408; EP 2064787 A1 20090603; EP 2064787 B1 20100224

DOCDB simple family (application)
EP 2008063765 W 20081014; AT 08832776 T 20081014; DE 102008049458 A 20080929; DE 102008064794 A 20080929; DE 502008000401 T 20081014; EP 08832776 A 20081014