

Title (en)
RAPID DISCONNECT DEVICE

Title (de)
SCHNELLE ABTRENNVORRICHTUNG

Title (fr)
DISPOSITIF DE COUPURE RAPIDE

Publication
EP 2218154 A1 20100818 (DE)

Application
EP 09781905 A 20090817

Priority
• EP 2009060616 W 20090817
• DE 102008039325 A 20080822
• DE 102009004317 A 20090112

Abstract (en)
[origin: US2011205011A1] The invention relates to a rapid disconnect device for surge arrestors, in particular plate-type or flat varistors, comprising at least one element that is maintained under a mechanical stress, and a disconnection point for disconnecting the surge arrestor from the respective power grid upon thermal overload, wherein the disconnection point comprises contacts, the positions of which vary relative to one another, wherein one of said contacts is designed to be fixed. According to the invention, the contacts of varying positions relative to one another are electrically connected without the use of solder in such a way that incident current forces act primarily in the contact force direction and such that the moving contacts of the positionally-variable contacts of a lost element located at the surge arrestor and thermally detachable therefrom can be moved from a closed position to the disconnected position.

IPC 8 full level
H01T 1/14 (2006.01); **H01C 7/12** (2006.01)

CPC (source: EP US)
H01C 7/126 (2013.01 - EP US); **H01H 37/76** (2013.01 - US); **H01H 37/761** (2013.01 - US); **H01H 37/764** (2013.01 - US);
H01T 1/14 (2013.01 - EP US)

Citation (search report)
See references of WO 2010020612A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
US 2011205011 A1 20110825; US 9130354 B2 20150908; AT E515819 T1 20110715; DE 102009004317 A1 20100225;
EP 2218154 A1 20100818; EP 2218154 B1 20110706; WO 2010020612 A1 20100225

DOCDB simple family (application)
US 73783509 A 20090817; AT 09781905 T 20090817; DE 102009004317 A 20090112; EP 09781905 A 20090817; EP 2009060616 W 20090817