

Title (en)  
DEVICE FOR OVERVOLTAGE PROTECTION

Title (de)  
ÜBERSpannungSSchutzGerät

Title (fr)  
DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS

Publication  
**EP 2409311 A1 20120125 (EN)**

Application  
**EP 10715343 A 20100312**

Priority  
• IB 2010000528 W 20100312  
• CZ 2009164 A 20090316

Abstract (en)  
[origin: WO2010106411A1] The invention relates to the device for overvoltage protection comprising a terminals for connection to protected circuit, while between the terminals there is arranged a current path in which a protective element is connected, while in the current path is created a place (X) for purposeful cutting-off of the current path and to the place (X) of purposeful cutting-off of the current path there is assigned the device for signalling of protection status. In the place (X) of purposeful cutting-off of the current path there is formed an additional fusible thermal stop with pre-set parameters of melting-down, while the elements of current path being purposefully disconnected are connected by means of first solder (21) and the additional fusible thermal stop is formed by a second solder (22), while the second solder has the same or approximately the same temperature of melting as the first solder (21) and the second solder (22) has a lower value of thermal conductivity than the first solder (21).

IPC 8 full level  
**H01H 83/10** (2006.01); **H01C 7/12** (2006.01); **H01H 37/76** (2006.01)

CPC (source: EP)  
**H01C 7/123** (2013.01); **H01H 83/10** (2013.01); **H01H 37/761** (2013.01)

Citation (search report)  
See references of WO 2010106411A1

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

DOCDB simple family (publication)  
**WO 2010106411 A1 20100923**; **WO 2010106411 A4 20101125**; CZ 2009164 A3 20100929; EP 2409311 A1 20120125;  
RU 2011138491 A 20130427

DOCDB simple family (application)  
**IB 2010000528 W 20100312**; CZ 2009164 A 20090316; EP 10715343 A 20100312; RU 2011138491 A 20100312