

Title (en)  
Electrical surge protection element

Title (de)  
Überspannungsschutzelement

Title (fr)  
Élément de protection contre les surtensions

Publication  
**EP 2284857 A3 20120725 (DE)**

Application  
**EP 10007818 A 20100728**

Priority  
DE 102009036125 A 20090805

Abstract (en)  
[origin: EP2284857A2] The element (1) has a connecting element (6) in electrically contact with a terminal contact (5) and a pole of a varistor (3) via a thermally separating connection. The connection is separated when the temperature of the component exceeds a preset boundary temperature. A spring system exerts a force that causes the connecting element to move out of electrically contact with the terminal contact and the pole. The connecting element is connected to an insulating disconnecting element (10) so that the disconnecting element is moved between the terminal contact and the pole.

IPC 8 full level  
**H01H 37/76** (2006.01); **H01C 7/12** (2006.01); **H02H 9/04** (2006.01)

CPC (source: EP US)  
**H01H 37/761** (2013.01 - EP US); **H01H 2037/762** (2013.01 - EP US)

Citation (search report)

- [XA] DE 102007042991 A1 20081218 - DEHN & SOEHNE [DE]
- [XAI] DE 102007006617 B3 20080904 - PHOENIX CONTACT GMBH & CO [DE]
- [XDAI] DE 202004006227 U1 20040916 - PHOENIX CONTACT GMBH & CO [DE]

Cited by  
EP3460938A4; EP4216237A3; WO2015051934A1; US10229774B2; WO2017009355A1

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2284857 A2 20110216; EP 2284857 A3 20120725; EP 2284857 B1 20151125**; CN 102024542 A 20110420; CN 102024542 B 20150930; DE 102009036125 A1 20110210; JP 2011034973 A 20110217; JP 5669475 B2 20150212; SI 2284857 T1 20160331; US 2011032651 A1 20110210; US 8477469 B2 20130702

DOCDB simple family (application)  
**EP 10007818 A 20100728**; CN 201010511619 A 20100805; DE 102009036125 A 20090805; JP 2010176245 A 20100805; SI 201031082 T 20100728; US 84954110 A 20100803