

Title (en)
OVERVOLTAGE PROTECTION ELEMENT

Title (de)
ÜBERSpannungSSCHUTZELEMENT

Title (fr)
ÉLÉMENT DE PROTECTION CONTRE LES SURTENSIONS

Publication
EP 2483976 A1 20120808 (DE)

Application
EP 10763173 A 20101001

Priority
• DE 102009048045 A 20091002
• EP 2010064624 W 20101001

Abstract (en)
[origin: WO2011039342A1] The subject matter of the invention is an overvoltage protection element with a housing (1) and at least two electrical conductors (2) passing into the housing (1) for electrically connecting the overvoltage protection element, wherein a surge arrester (3) for limiting an overvoltage of the electrical conductors (2) and a pressure-sensitive switch (4) for short-circuiting the electrical conductors (2) are arranged in the housing (1). According to the invention, therefore, an overvoltage protection element is provided which, even in the event of a defective surge arrester (3), reliably and safely short-circuits the electrical conductors (2) when an arc is formed in the housing (1), with the result that overcurrent protection, for example a fuse, which is preferably connected upstream of the overvoltage protection element, can be triggered.

IPC 8 full level
H01T 1/15 (2006.01); **H01C 7/12** (2006.01)

CPC (source: EP US)
H01C 7/126 (2013.01 - EP US); **H01T 1/15** (2013.01 - EP US)

Citation (search report)
See references of WO 2011039342A1

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

DOCDB simple family (publication)
WO 2011039342 A1 20110407; CN 102576980 A 20120711; CN 102576980 B 20131127; DE 102009048045 A1 20110414; DE 102009048045 B4 20110601; EP 2483976 A1 20120808; EP 2483976 B1 20150304; RU 2497250 C1 20131027; US 2012268850 A1 20121025

DOCDB simple family (application)
EP 2010064624 W 20101001; CN 201080045080 A 20101001; DE 102009048045 A 20091002; EP 10763173 A 20101001; RU 2012113357 A 20101001; US 201013499875 A 20101001