

Title (en)
Electrical surge protection element

Title (de)
Überspannungsschutzelement

Title (fr)
Élément de protection contre les surtensions

Publication
EP 2355274 B1 20131204 (DE)

Application
EP 11001035 A 20110209

Priority
DE 102010007428 A 20100209

Abstract (en)
[origin: EP2355274A1] The element (1) has a state display (5) comprising a display element (4) for displaying a state of the element. An endothermic material (6) e.g. intumescent material, is in thermal contact with an overvoltage limiting component (3) e.g. varistor, and in mechanical contact with the display element, where the material is thermally activated. Expansion of the endothermic material produces a change in position of the display element when the limiting component is heated above a certain minimum temperature. Magnitude of the position change is a measure for heating of the limiting component.

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

CPC (source: EP US)
H01C 7/126 (2013.01 - EP US); **H01T 1/12** (2013.01 - EP US)

Cited by
EP2887470A1; US10256062B2; WO2015185447A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DE 102010007428 A1 20110811; DK 2355274 T3 20140310; ES 2448643 T3 20140314; US 2011194222 A1 20110811;
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