

Title (en)

DEVICE FOR THERMALLY TRIGGERING, SEPARATING, AND/OR SIGNALING THE STATE OF A SURGE PROTECTOR

Title (de)

VORRICHTUNG ZUM THERMISCHEN AUSLÖSEN, ABTRENNEN UND/ODER SIGNALISIEREN DES ZUSTANDES EINES ÜBERSpannungsschutzgerätes

Title (fr)

DISPOSITIF DE DÉCLENCHEMENT THERMIQUE, DE COUPURE ET/OU DE SIGNALISATION DE L'ÉTAT D'UN APPAREIL DE PROTECTION CONTRE DES SURTENSIONS

Publication

**EP 3347910 B1 20210721 (DE)**

Application

**EP 16760452 A 20160831**

Priority

- DE 102015011730 A 20150908
- DE 102015014163 A 20151103
- EP 2016070464 W 20160831

Abstract (en)

[origin: WO2017042062A1] The invention relates to a device for thermally triggering, separating, and/or signaling the state of a surge protector, comprising a blocking element on which a first force acts and the aggregate state and/or the outer shape of which changes when a threshold temperature is exceeded. Furthermore, a slide is provided which is blocked by the blocking element in a first state and on which a second force acts in order to convert the slide into a second state if the aggregate state and/or the outer shape of the blocking element has changed. A latch retaining device, which is connected to the slide and by means of which the blocking element indirectly blocks the slide and the second force is broken down into a sub-force component, acts on the blocking element in a clamping manner. Furthermore, the latch retaining device has at least one elastic flexible jaw which is supported against the blocking element and the surroundings of the slide in the first state, wherein the first force corresponds to the sub-force component.

IPC 8 full level

**H01H 37/46** (2006.01); **H01C 7/12** (2006.01); **H01H 73/22** (2006.01)

CPC (source: EP)

**H01H 37/46** (2013.01); **H01H 73/22** (2013.01); **H01T 1/14** (2013.01); **H01C 7/126** (2013.01); **H01H 37/323** (2013.01); **H01H 71/18** (2013.01)

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)

**DE 102015014163 A1 20170309**; CN 108028153 A 20180511; CN 108028153 B 20200605; EP 3347910 A1 20180718; EP 3347910 B1 20210721; ES 2881637 T3 20211130; PL 3347910 T3 20211004; SI 3347910 T1 20211130; WO 2017042062 A1 20170316

DOCDB simple family (application)

**DE 102015014163 A 20151103**; CN 201680051833 A 20160831; EP 16760452 A 20160831; EP 2016070464 W 20160831; ES 16760452 T 20160831; PL 16760452 T 20160831; SI 201631314 T 20160831