

Title (en)
SURGE PROTECTION DEVICE HAVING A PLURALITY OF SURGE ARRESTERS AND, IN PARTICULAR THERMAL, ISOLATING APPARATUS WHICH IS RESPECTIVELY ASSOCIATED WITH THEM

Title (de)
ÜBERSpannungsschutzgerät mit mehreren Überspannungsableitern und diesen jeweils zugeordneter, insbesondere thermischer, Abtrennvorrichtung

Title (fr)
APPAREIL DE PROTECTION CONTRE LES SURTENSIONS COMPRENANT PLUSIEURS LIMITEURS DE SURTENSION ET DISPOSITIF DE SÉPARATION, EN PARTICULIER THERMIQUE, RESPECTIVEMENT ASSOCIÉ À CEUX-CI

Publication
EP 3676859 B1 20210721 (DE)

Application
EP 19789656 A 20191015

Priority
• DE 102018125520 A 20181015
• EP 2019077909 W 20191015

Abstract (en)
[origin: WO2020078968A1] The invention relates to a surge protection device having a plurality of surge arresters and, in particular thermal, isolating apparatus which is respectively associated with them together with a fault and state display which is designed as a movable, spring force-prestressed displacement element (17) and has a display area and also an operating area for a telecommunications device, wherein tripping of the fault and state display is performed indirectly by means of a blocking element (1, 2, 3) of which the physical state can be changed. According to the invention, a blocking element is provided for each of the surge arresters, which blocking element is in each case arranged so as to block the movement path (4, 5, 6) of a mechanically prestressed wedge slide (7, 8, 9) with a wedge bevel (12). A rocker lever arrangement is also provided which has first lever arms (13, 14, 15) in accordance with the number of wedge slides and at least one second lever arm (16) for blocking, but also for releasing, the displacement element. Those ends of the first lever arms which are remote from the rotation axis (19) of the rocker lever arrangement each have an area (20) for sensing the respective wedge bevel of the respective wedge slide in such a way that, when the movement path of at least one of the wedge slides is cleared, its wedge bevel lifts the relevant first lever arm, as a result of which the second lever arm releases the displacement element.

IPC 8 full level
H01C 7/12 (2006.01); **H01H 37/08** (2006.01); **H01H 37/76** (2006.01)

CPC (source: EP US)
H01C 7/126 (2013.01 - EP); **H01H 37/08** (2013.01 - EP); **H01H 37/22** (2013.01 - US); **H01H 37/76** (2013.01 - EP); **H01H 37/761** (2013.01 - US); **H01C 7/12** (2013.01 - EP); **H01H 2037/762** (2013.01 - EP US)

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 102018125520 A1 20200416; CN 112020754 A 20201201; CN 112020754 B 20220517; EP 3676859 A1 20200708; EP 3676859 B1 20210721; ES 2885400 T3 20211213; PL 3676859 T3 20211206; SI 3676859 T1 20211130; US 11295914 B2 20220405; US 2021366677 A1 20211125; WO 2020078968 A1 20200423

DOCDB simple family (application)
DE 102018125520 A 20181015; CN 201980025966 A 20191015; EP 19789656 A 20191015; EP 2019077909 W 20191015; ES 19789656 T 20191015; PL 19789656 T 20191015; SI 201930097 T 20191015; US 201916976664 A 20191015