

Title (en)  
OVERCURRENT PROTECTION DEVICE

Title (de)  
ÜBERSTROMSCHUTZVORRICHTUNG

Title (fr)  
DISPOSITIF PARAFoudre

Publication  
**EP 3602599 B1 20210825 (DE)**

Application  
**EP 18712882 A 20180321**

Priority  
• DE 102017106084 A 20170321  
• EP 2018057186 W 20180321

Abstract (en)  
[origin: WO2018172418A1] The invention relates to an overcurrent protection device for a circuit to be monitored, having at least one tripping unit (12a-c) which is provided for the purpose of interrupting the circuit in at least one tripping situation and comprises at least one conductor section (14a-c) which is provided for the purpose of conducting a current to be monitored, at least one tripping element (16a-c) which has at least one magnetically and thermally shape-changing material (18a-c) and, in the tripping situation, is provided for thermally and/or magnetically induced deformation on the basis of a current flowing through the conductor section (14a-c), and at least one actuation element (20a-c) which is operatively connected to the tripping element (16a-c) and is provided for the purpose of transmitting at least one actuation movement and/or at least one actuation force to at least one interrupter switch.

IPC 8 full level  
**H01H 73/48** (2006.01); **H01H 37/32** (2006.01); **H01H 71/12** (2006.01); **H01H 71/14** (2006.01); **H01H 71/24** (2006.01); **H01H 71/40** (2006.01); **H01H 73/66** (2006.01)

CPC (source: EP US)  
**H01H 37/323** (2013.01 - EP); **H01H 71/145** (2013.01 - EP); **H01H 71/40** (2013.01 - US); **H01H 73/48** (2013.01 - EP); **H01H 73/50** (2013.01 - US); **H01H 73/66** (2013.01 - EP); **H01H 71/127** (2013.01 - EP); **H01H 71/2454** (2013.01 - EP); **H01H 2071/407** (2013.01 - EP)

Cited by  
WO2023213934A1

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 2018172418 A1 20180927**; CN 110651352 A 20200103; CN 110651352 B 20220826; DE 102017106084 A1 20180927; EP 3602599 A1 20200205; EP 3602599 B1 20210825; US 11367586 B2 20220621; US 2020111633 A1 20200409

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