

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)
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DOCDB simple family (publication)
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