

Title (en)  
DEVICE FOR PROTECTING AN ALTERNATING CURRENT ELECTRICAL INSTALLATION

Title (de)  
SCHUTZGERÄT EINER ELEKTRISCHEN ANLAGE MIT WECHSELSTROM

Title (fr)  
APPAREIL DE PROTECTION D'UNE INSTALLATION ÉLECTRIQUE EN COURANT ALTERNATIF

Publication  
**EP 3809440 B1 20220216 (FR)**

Application  
**EP 20202250 A 20201016**

Priority  
FR 1911517 A 20191016

Abstract (en)  
[origin: CN112670947A] The invention relates to a protective apparatus of an alternating current electrical installation provided with a compact member comprising a magnetic triggering coil and a triggering relay coil and with an electronic circuit connected to the triggering relay coil, characterized in that said electronic circuit comprises a prolonged overcurrent detector (60) and comprises a switching circuit (61), which are configured such that in the absence of a detection signal the switching circuit connects the triggering relay coil to the prolonged overcurrent detector (60) whereas it isolates the triggering relay coil from in connection terminals of the apparatus, and such that in the presence of the detection signal the switching circuit (61) isolates the triggering relay coil of the prolonged overcurrent detector (60) then connects the triggering relay coil to the in connection terminals (22, 23).

IPC 8 full level  
**H01H 71/04** (2006.01); **H01H 71/12** (2006.01); **H01H 71/24** (2006.01); **H01H 71/74** (2006.01); **H01H 73/64** (2006.01)

CPC (source: EP)  
**H01H 71/04** (2013.01); **H01H 71/125** (2013.01); **H01H 71/2463** (2013.01); **H01H 71/2481** (2013.01); **H01H 71/74** (2013.01); **H01H 73/64** (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)  
**EP 3809440 A1 20210421**; **EP 3809440 B1 20220216**; AU 2020256418 A1 20210506; CN 112670947 A 20210416; ES 2908414 T3 20220429; FR 3102292 A1 20210423; FR 3102292 B1 20211105; PL 3809440 T3 20220613; RU 2020133593 A 20220413

DOCDB simple family (application)  
**EP 20202250 A 20201016**; AU 2020256418 A 20201016; CN 202011111420 A 20201016; ES 20202250 T 20201016; FR 1911517 A 20191016; PL 20202250 T 20201016; RU 2020133593 A 20201013