

Title (en)

DEVICE FOR PROTECTING AN ELECTRICAL CIRCUIT, AND ELECTRICAL CIRCUIT COMPRISING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUM SCHUTZ EINER ELEKTRISCHEN SCHALTUNG UND ELEKTRISCHE SCHALTUNG MIT SOLCH EINER VORRICHTUNG

Title (fr)

DISPOSITIF DE PROTECTION POUR UN CIRCUIT ÉLECTRIQUE ET CIRCUIT ÉLECTRIQUE ÉQUIPÉ D'UN TEL DISPOSITIF

Publication

**EP 3888111 A1 20211006 (FR)**

Application

**EP 19806289 A 20191127**

Priority

- FR 1872010 A 20181128
- EP 2019082720 W 20191127

Abstract (en)

[origin: WO2020109375A1] The invention relates to a device (2) for protecting an electrical circuit (1) configured to transmit an electrical current (I). In order to improve reliability, the protection device according to the invention comprises: a first conductor (4) and a second conductor (6); a first fuse (8) that is connected to the output conductor; at least one breaker component (12) for an electrical current, connected in parallel to the first fuse, said breaker component (12) comprising a control area (16) capable of receiving an activation signal (S), and a power zone (18) for the passage of the electrical current; a diagnostic system (30) comprising at least one sensor (32, 34) for measuring the current flowing in the fuse (8) and an electronic processing unit (36, 38) programmed to detect a fault in the protection device (2) depending on the measured current values.

IPC 8 full level

**H01H 9/10** (2006.01); **H01H 39/00** (2006.01)

CPC (source: EP)

**H01H 9/106** (2013.01); **H01H 39/006** (2013.01)

Citation (search report)

See references of WO 2020109375A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3089052 A1 20200529**; **FR 3089052 B1 20201211**; CN 113168980 A 20210723; EP 3888111 A1 20211006; EP 3888111 B1 20230524; WO 2020109375 A1 20200604

DOCDB simple family (application)

**FR 1872010 A 20181128**; CN 201980076699 A 20191127; EP 19806289 A 20191127; EP 2019082720 W 20191127