

Title (en)
MECHANISM FOR SIGNALLING AN ELECTRICAL FAULT IN AN ELECTRIC PROTECTION DEVICE, AND ELECTRIC PROTECTION DEVICE INCLUDING SUCH A MECHANISM

Title (de)
VORRICHTUNG ZUR SIGNALISIERUNG EINER ELEKTRISCHEN STÖRUNG IN EINEM ELEKTRISCHEN SCHUTZGERÄT, UND ELEKTRISCHES SCHUTZGERÄT, DAS EINE SOLCHE VORRICHTUNG UMFASST

Title (fr)
DISPOSITIF DE SIGNALISATION D'UN DEFAUT ELECTRIQUE DANS UN APPAREIL DE PROTECTION ELECTRIQUE, ET APPAREIL DE PROTECTION ELECTRIQUE COMPORTANT UN TEL DISPOSITIF

Publication
EP 3249673 B1 20200916 (FR)

Application
EP 17160475 A 20170313

Priority
FR 1654569 A 20160523

Abstract (en)
[origin: CN107452525A] The present invention relates to a device for signaling triggering of an electrical protection device. The device comprises a circuit breaker housed in an insulating housing surrounding a fixed contact and a movable contact, and a movable contact being adapted to be manually actuated by a rod mechanically connected to a device holding the movable contact, or automatically actuated by a release mechanism. The release mechanism comprises a heat releaser and a magnetic releaser having a moveable core, the movable contact is mounted for rotation between the contact open position and the contact closing position and is connected by a transmission member to the rod in order to form a breakable mechanical connection, the activation of one of the releasers causes the mechanical connection to open and the contact to separate, a first indicating means is adapted only to trigger upon a short-circuit fault. The so-called first indicator device S comprises means for fixing the rod in an intermediate position in the event of a failure of the magnetic source, between two positions of the rod corresponding to the open and closed positions of the contacts, respectively controlled by the movable core of the magnetic releaser.

IPC 8 full level
H01H 71/04 (2006.01)

CPC (source: CN EP)
H01H 9/16 (2013.01 - CN); **H01H 71/04** (2013.01 - EP); **H01H 71/526** (2013.01 - EP); **H01H 2071/042** (2013.01 - EP); **H01H 2071/046** (2013.01 - EP)

Cited by
FR3097075A1

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 3249673 A1 20171129; EP 3249673 B1 20200916; CN 107452525 A 20171208; CN 107452525 B 20200911; ES 2823284 T3 20210506; FR 3051593 A1 20171124; FR 3051593 B1 20191004

DOCDB simple family (application)
EP 17160475 A 20170313; CN 201710279909 A 20170425; ES 17160475 T 20170313; FR 1654569 A 20160523