

Title (en)

CONTROL UNIT FOR SAFELY RE-ENABLING A GROUND FAULT INTERRUPTER

Title (de)

STEUEREINRICHTUNG ZUM SICHEREN WIEDEREINSCHALTEN EINES FEHLERSTROMSCHUTZSCHALTERS

Title (fr)

DISPOSITIF DE COMMANDE PERMETTANT LE RÉENCLenchEMENT D'UN DISJONCTEUR DIFFÉRENTIEL DE MANIÈRE FIABLE

Publication

EP 2235805 A1 20101006 (DE)

Application

EP 08871403 A 20081230

Priority

- EP 2008068359 W 20081230
- DE 102008005687 A 20080123

Abstract (en)

[origin: WO2009092509A1] The invention relates to a control unit for safely re-enabling a ground fault interrupter, and a corresponding ground fault interrupter. The control unit (4) for safely re-enabling a ground fault interrupter (1), which has disconnected a load-side power circuit (2), which is to be protected, using a switch element (S1, S2) in a number of current conductors (L) and a neutral conductor (N), safely from the network-side power network (3), has a review unit (41), a re-enable unit (42), and a voltage supply (43), which is electrically isolated from the network-side power and neutral conductors (L, N). Said voltage supply (43) provides a test voltage (U1) for the review unit (41), wherein said review unit (41) applies said test voltage (U1) on the load side between said current conductors (L), said neutral conductor (N), and a ground conductor (PE). The re-enable unit (42) reconnects the load-side power circuit (2) to the network-side power network (3) by closing all switch elements (S1, S2) when the review unit (41) has recognized that a measuring current (I), which is caused by the test voltage (U1), has fallen below a predetermined value.

IPC 8 full level

H02H 3/06 (2006.01); **H02H 3/33** (2006.01)

CPC (source: EP)

H02H 3/33 (2013.01); **H02H 3/066** (2013.01)

Citation (search report)

See references of WO 2009092509A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009092509 A1 20090730; CN 101926069 A 20101222; CN 101926069 B 20130424; DE 102008005687 A1 20090806; EP 2235805 A1 20101006

DOCDB simple family (application)

EP 2008068359 W 20081230; CN 200880125484 A 20081230; DE 102008005687 A 20080123; EP 08871403 A 20081230