

Title (en)
METHOD FOR PERFORMING A SELF-TEST BY A RESIDUAL CURRENT OPERATED DEVICE, AND RESIDUAL CURRENT OPERATED DEVICE

Title (de)
VERFAHREN ZUM DURCHFÜHREN EINES SELBSTTESTS DURCH EINE FEHLERSTROMSCHUTZEINRICHTUNG SOWIE FEHLERSTROMSCHUTZEINRICHTUNG

Title (fr)
PROCÉDÉ POUR EXÉCUTER UN TEST AUTOMATIQUE PAR UN DISPOSITIF DE PROTECTION CONTRE LES COURANTS DE DÉFAUT AINSI QU'UN DISPOSITIF DE PROTECTION CONTRE LES COURANTS DE DÉFAUT

Publication
EP 2301127 A1 20110330 (DE)

Application
EP 09779804 A 20090617

Priority
• EP 2009057497 W 20090617
• DE 102008033148 A 20080715

Abstract (en)
[origin: WO2010006868A1] A residual current operated device is designed to be able to perform a self-test. The self-test is designed to be performed only in exceptional cases when a heavy current flows through the residual current operated device, because a self-test causes contacts (20, 20') to open, at which contact erosion can occur. Means (40) for measuring the amperage via power supply lines (18, 44; 18', 44') measure the amperage and communicate the result to a control unit (36) comprising a unit (48) in which a decision is made as to whether a self-test will be performed, in order to enable a self-test unit (34) to effect the performance of the self-test. In the decision the amount of time is taken into account that has elapsed since the last self-test, or the time of day. Optionally a self-test is performed also if a heavy current is present after a maximum time interval has elapsed.

IPC 8 full level
H02H 3/33 (2006.01)

CPC (source: EP)
H02H 3/335 (2013.01)

Citation (search report)
See references of WO 2010006868A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010006868 A1 20100121; CN 102099979 A 20110615; CN 102099979 B 20160323; DE 102008033148 A1 20100211; DE 102008033148 B4 20140102; EP 2301127 A1 20110330

DOCDB simple family (application)
EP 2009057497 W 20090617; CN 200980127420 A 20090617; DE 102008033148 A 20080715; EP 09779804 A 20090617