

Title (en)
Residual-current circuit breaker

Title (de)
Reststromschuttschalter

Title (fr)
Circuit de protection contre le courant résiduel

Publication
EP 2816583 A1 20141224 (EN)

Application
EP 14002119 A 20140619

Priority
IT MI20131033 A 20130621

Abstract (en)
A residual-current circuit breaker, characterized in that it includes at least one movable contact that acts on a fixed contact; the movable contact is connected to a first terminal and the fixed contact is connected to a second terminal; a test circuit has a contoured blade that is connected to the second terminal, a button acting on a spring, said button being accessed from the outside; when the button is pressed, the spring closes the test circuit, making contact with the contoured blade; the test circuit also has a test contact elastic plate and a resistor; the test contact elastic plate is coupled to the resistor and is in contact with the spring; the elastic plate is in contact with the movable contact when the movable contact is in the closed position, in contact with the fixed contact.

IPC 8 full level
H01H 71/12 (2006.01); **H01H 83/04** (2006.01); **H01H 71/02** (2006.01)

CPC (source: EP)
H01H 71/128 (2013.01); **H01H 83/04** (2013.01); **H01H 71/0207** (2013.01)

Citation (applicant)
• EP 1916692 A1 20080430 - GEWISS SPA [IT]
• EP 1562212 A2 20050810 - SIEMENS AG [DE]

Citation (search report)
• [Y] EP 1562212 A2 20050810 - SIEMENS AG [DE]
• [Y] EP 0295167 A1 19881214 - HAGER ELECTRO [FR]
• [Y] WO 2005017935 A1 20050224 - MOELLER GEBAEUDEAUTOMATION KG [AT], et al
• [Y] DE 19513029 A1 19961010 - SIEMENS AG [DE]
• [A] FR 2489587 A1 19820305 - LICENTIA GMBH [DE]

Cited by
CN105070616A

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)
EP 2816583 A1 20141224; EP 2816583 B1 20170809; CN 104241037 A 20141224; CN 104241037 B 20180626; ES 2640098 T3 20171031; IT MI20131033 A1 20141222

DOCDB simple family (application)
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