

Title (en)
Residual current operated circuit breaker

Title (de)
Fehlerstromschutzschalter

Title (fr)
Disjoncteur à courant résiduel

Publication
EP 1916692 A1 20080430 (EN)

Application
EP 07012656 A 20070628

Priority
IT MI20062032 A 20061023

Abstract (en)
A residual current operated circuit breaker 1 comprising a first terminal strip 40 and a second terminal strip 41, that are associated respectively with moving contacts 10, 11 and fixed contacts 12, a control relay 30 suitable to act on the mechanism for opening the moving contacts, in case of tripping. The moving contacts comprise two separate series of contacts, a series of main contacts 10 and a series of secondary or auxiliary contacts 11, that are supported on a single contact supporting member 8 and can move independently so as to allow the flow of current between the first and second terminal strips when the main contacts 10 are open, by means of the auxiliary contacts 11.

IPC 8 full level
H01H 83/04 (2006.01); **H02H 3/33** (2006.01)

CPC (source: EP)
H01H 83/04 (2013.01)

Citation (search report)

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- [A] US 5898146 A 19990427 - BECK HENRY RICHARD [US], et al
- [A] DE 4306231 A1 19940908 - ABB PATENT GMBH [DE]
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- [A] JP 2006014479 A 20060112 - MATSUSHITA ELECTRIC WORKS LTD

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EP2667398A1; CN101958207A; ITMI20120884A1; WO2009155661A1; EP2816583A1; DE102021212829A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 07012656 A 20070628; AT 07012656 T 20070628; CN 200710140743 A 20070809; DE 602007003794 T 20070628; ES 07012656 T 20070628; IT MI20062032 A 20061023