

Title (en)
MOVABLE CONTACT OPERATING MECHANISM OF LEAKAGE CIRCUIT BREAKER

Title (de)
BEWEGLICHER KONTAKTBETÄTIGUNGSMECHANISMUS EINES FEHLERSTROMSCHUTZSCHALTERS

Title (fr)
MÉCANISME DE COMMANDE DE CONTACT MOBILE DE DISJONCTEUR DE FUITE

Publication
EP 3451360 A4 20191204 (EN)

Application
EP 17788586 A 20170325

Priority
• CN 201610271823 A 20160427
• CN 2017078222 W 20170325

Abstract (en)
[origin: EP3451360A1] A movable contact operating mechanism of leakage circuit breaker, comprising a movable contact (6), a bounce buckle (1), a movable contact support (2), a locking spring (3), a locking buckle (4) and a tension spring (5); a long through hole (21) is provided on the movable contact support, a pin shaft (7) is provided in the long through hole, two ends of the pin shaft are arranged on a base and a cover of the leakage circuit breaker; the bounce buckle is hinged on an upper end of the movable contact support, a central part of the locking buckle movably sheathes the pin shaft by means of a provided through hole (41), a contact pin (42) is provided extendingly above the locking buckle, and the contact pin is abutably engagable with the bounce buckle to limit the rotation of the bounce buckle; a driving pin (43) and a resetting pin (44) are provided below the locking buckle; by means of the present operating mechanism, a movable contact operating mechanism of leakage circuit breaker may be provided, which allows the length or width of the leakage circuit breaker to be smaller than that of a product of existing technologies, and therefore better suited to meet a client's requirements.

IPC 8 full level
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CPC (source: CN EP)
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Citation (search report)
• [X] CN 103700548 A 20140402 - WENZHOU AOELEC ELECTRICAL CO LTD
• [A] CN 103745892 A 20140423 - XU BO
• [A] EP 0962952 A1 19991208 - SCHNEIDER ELECTRIC IND SA [FR]
• See references of WO 2017185933A1

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Designated contracting state (EPC)
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