

Title (en)  
CIRCUIT BREAKER CIRCUIT CONTACT PROTECTION MECHANISM

Title (de)  
KONTAKTSCHUTZMECHANISMUS EINES LEISTUNGSSCHALTERS

Title (fr)  
MÉCANISME DE PROTECTION DE CONTACT DE CIRCUIT DE DISJONCTEUR

Publication  
**EP 3540755 A1 20190918 (EN)**

Application  
**EP 19162884 A 20190314**

Priority  
CN 201810220644 A 20180316

Abstract (en)  
Disclosed in the present invention is a circuit breaker circuit contact protection mechanism. The circuit breaker circuit contact protection mechanism comprises a circuit and a moving contact, and an actuating mechanism and a moving contact protective cover; the actuating mechanism drives a first end of the moving contact to move so that the first end comes into contact with or is disconnected from the first contact. The actuating mechanism moves in linkage with the moving contact protective cover and the first end respectively; when the first end is in contact with the first contact, the moving contact protective cover is located outside a region of contact of the first end and the first contact, and when the first end gradually moves away and is disconnected from the first contact, the moving contact protective cover moves towards a region between the first end and the first contact and finally moves to the region between the first end and the first contact. The present invention solves the technical problem of breakdown by high voltage between contacts due to insufficient electric gap and creepage distance when the voltage is too high.

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**H01H 71/46** (2006.01)

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Citation (search report)  
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• [A] US 2002105771 A1 20020808 - SIMMS KEVIN ANTHONY [US], et al  
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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

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