

Title (en)  
SINGLE-STAGE CIRCUIT BREAKER

Title (de)  
EINSTUFIGER SCHUTZSCHALTER

Title (fr)  
DISJONCTEUR À UN SEUL ÉTAGE

Publication  
**EP 3358594 A1 20180808 (EN)**

Application  
**EP 18154732 A 20180201**

Priority  
CN 201710064313 A 20170204

Abstract (en)  
The present invention provides a single-stage circuit breaker. The single-stage circuit breaker comprises: a first accommodation chamber having a first current path formed therein; a second accommodation chamber having a second current path formed therein; an electromagnetic trip device arranged in the first accommodation chamber; a first contact assembly and a first execution assembly; an arc fault and leakage trip device arranged in the second accommodation chamber; a second contact assembly and a second execution assembly; a circuit board assembly for arc fault handling and leakage protection; and an auxiliary contact assembly arranged inside the second accommodation chamber for effecting safe electrical isolation of the circuit board assembly. The single-stage circuit breaker according to the present invention can make the circuit board assembly obtain a relatively safe electrical isolation so as to effectively improve the safety and reliability of the entire circuit breaker.

IPC 8 full level  
**H01H 83/02** (2006.01); **H01H 71/02** (2006.01); **H01H 71/10** (2006.01); **H01H 71/40** (2006.01); **H01H 71/46** (2006.01); **H01H 83/20** (2006.01)

CPC (source: CN EP)  
**H01H 9/50** (2013.01 - CN); **H01H 71/0207** (2013.01 - EP); **H01H 71/40** (2013.01 - EP); **H01H 71/46** (2013.01 - EP); **H01H 73/04** (2013.01 - CN); **H01H 83/02** (2013.01 - EP); **H01H 2083/201** (2013.01 - EP)

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DOCDB simple family (publication)  
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