

Title (en)
SINGLE-STAGE CIRCUIT BREAKER

Title (de)
EINSTUFIGER SCHUTZSCHALTER

Title (fr)
DISJONCTEUR À UN SEUL ÉTAGE

Publication
EP 3358594 B1 20200401 (EN)

Application
EP 18154732 A 20180201

Priority
CN 201710064313 A 20170204

Abstract (en)
[origin: EP3358594A1] 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.

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Cited by
CN114420495A; DE102021204530A1; DE202019001746U1; EP3726560A1

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