

Title (en)
AUTOMATIC CIRCUIT BREAKER WITH AUXILIARY SHORT CIRCUIT

Title (de)
SICHERUNGSAUTOMAT MIT HILFSKURZSCHLUSS

Title (fr)
AUTOMATE DE SÉCURITÉ AYANT UN COURT-CIRCUIT AUXILIAIRE

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Application
EP 13814880 A 20131217

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Abstract (en)
[origin: WO2014095918A1] The invention relates to an automatic circuit breaker (2) for protecting a phase (4, 5, 6), having an input terminal (7), having an output terminal (8), having a current path (12) which electrically conductively connects the input terminal (7) and the output terminal (8), having a disconnection apparatus (13) which is arranged in the current path (12) and is designed to interrupt said current path when it is operated, having a discharge terminal (9), having a discharge path (15) which is connected at one end to the current path (12) between the disconnection apparatus (13) and the output terminal (8) and is connected at its other end to the discharge terminal (9), having a connection apparatus (16) which is arranged in the discharge path (15) and is designed to connect-through said discharge path when it is operated, and having a monitoring device (14) which is designed to monitor the current in the current path (12) and, when an overcurrent is identified, to operate the disconnection apparatus (13) and the connection apparatus (16), wherein the monitoring device (14) is designed to carry out permanent current monitoring and short-circuit current monitoring. The invention also relates to a circuit breaker arrangement (1) having a large number of automatic circuit breakers (2) of this kind.

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