

Title (en)
AUTOMATIC CUT-OUT

Title (de)
LEITUNGSSCHUTZSCHALTER

Title (fr)
DISJONCTEUR DE PROTECTION

Publication
EP 3248204 B1 20181107 (DE)

Application
EP 16701160 A 20160121

Priority

- EP 15152338 A 20150123
- EP 2016051233 W 20160121

Abstract (en)
[origin: WO2016116559A1] The invention relates to a circuit breaker having two parallel current paths each with a contact point (15, 18; 15, 22) which, as the main and secondary current paths (19, 21), are connected, via a contact device (15, 17, 18, 22), in series with a coil (11) of a magnetic trip (10), the armature (12) of which, in the event of a fault, opens the contact point (15, 18) of the main current path (19) which is formed exclusively only by the series circuit of the contact device (15, 17, 18) with the coil (11). In order to provide a further circuit breaker which, in the case of energy losses which are minimized during normal continuous operation, prevents the formation of an arc when the circuit is interrupted in the event of a fault and therefore also largely prevents contacts from burning away, provision is made, in the case of a circuit breaker according to the invention, for an interrupter and trip insert (24) to be arranged in the secondary current path (21), which insert, in the event of a short circuit, interrupts the secondary current path and trips a switching lock (30) to open and secure the contact device (15, 17, 18, 22).

IPC 8 full level
H01H 71/02 (2006.01); **H01H 1/20** (2006.01); **H01H 71/12** (2006.01); **H01H 71/52** (2006.01); **H01H 85/30** (2006.01)

CPC (source: CN EP)
H01H 71/0228 (2013.01 - CN EP); **H01H 71/122** (2013.01 - CN EP); **H01H 85/306** (2013.01 - CN EP); **H01H 1/20** (2013.01 - EP);
H01H 71/52 (2013.01 - EP)

Cited by
WO2023208490A1

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 3048629 A1 20160727; CN 107210168 A 20170926; CN 107210168 B 20200414; EP 3248204 A1 20171129; EP 3248204 B1 20181107;
WO 2016116559 A1 20160728

DOCDB simple family (application)
EP 15152338 A 20150123; CN 201680007015 A 20160121; EP 16701160 A 20160121; EP 2016051233 W 20160121