

Title (en)
Protective circuit breaker with remote control

Title (de)
Fernsteuerbarer Schutzscharter

Title (fr)
Disjoncteur de protection avec commande à distance

Publication
EP 0563774 B1 19990519 (DE)

Application
EP 93104852 A 19930324

Priority
• DE 9204342 U 19920331
• DE 9208010 U 19920615

Abstract (en)
[origin: EP0563774A2] Protection circuit breaker (1) can be remotely controlled by means of an external remote switch (8), via control electronics (2) and an electromagnetic switching drive (3) which is controlled by said control electronics. The switching drive (3) switches the circuit via a latching mechanism (4) which is latched to it and unlatches and is opened in the event of overcurrent by bimetallic tripping of the switching drive (3), and in consequence interrupts the circuit. In the event of bimetallic tripping, an auxiliary switch (6) is operated which, via the control electronics (2), causes the remote switch (8) to switch off and the switching drive (3) to latch to the opened latching mechanism (4) again. <IMAGE>

IPC 1-7
H01H 71/46; **H01H 71/68**; **H01H 71/10**; **H01H 71/04**

IPC 8 full level
H01H 71/04 (2006.01); **H01H 71/10** (2006.01); **H01H 71/46** (2006.01); **H01H 71/68** (2006.01); **H01H 47/22** (2006.01); **H01H 50/10** (2006.01); **H01H 51/22** (2006.01); **H01H 71/16** (2006.01); **H01H 71/43** (2006.01)

CPC (source: EP US)
H01H 71/46 (2013.01 - EP US); **H01H 71/68** (2013.01 - EP US); **H01H 47/226** (2013.01 - EP US); **H01H 50/10** (2013.01 - EP US); **H01H 51/2209** (2013.01 - EP US); **H01H 71/04** (2013.01 - EP US); **H01H 71/16** (2013.01 - EP US); **H01H 71/43** (2013.01 - EP US); **H01H 2071/048** (2013.01 - EP US); **H01H 2071/467** (2013.01 - EP US)

Cited by
EP2479774A3; US8289112B1; WO2010102899A1; EP2041762B1; WO2008119785A1; WO2008119786A1

Designated contracting state (EPC)
BE DE DK ES FR GB GR IE IT LU NL PT

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EP 0563774 A2 19931006; **EP 0563774 A3 19941123**; **EP 0563774 B1 19990519**; DE 59309583 D1 19990624; ES 2133339 T3 19990916; US 5381121 A 19950110

DOCDB simple family (application)
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