

Title (en)

Locking mechanism for an electrical excesscurrent switch for motor protection

Title (de)

Verklünnungsmechanismus für einen elektrischen Ueberstromschutzschalter insbesondere für einen Motorschutzschalter

Title (fr)

Discontacteur à maximum avec cliquet pour la protection des moteurs

Publication

**EP 0892420 B1 20050427 (DE)**

Application

**EP 97121795 A 19971211**

Priority

CH 171397 A 19970714

Abstract (en)

[origin: EP0892420A2] The mechanism has a fixed chamber (1) with a spring loaded main slider (2) and a spring loaded indication slider (3) perpendicular to the main slider and a sprung lever (4) rotatably located in the chamber. The lever holds the toggle joint of the switch lock in the closed position of a overcurrent circuit breaker. The main slider is in positive connection with a hand operated appts. On closure, the main slider is moved in the direction of the indication slider. The sloped surfaces (19) of the indication slider displaces and catches with the main slider. On release, the release catch displaces the indication slider so the main slider catches into a release location. To switch out and reset after a release, a strong hand grip is needed. The main spring (12) is located in the main slider and does not effect the switch lock.

IPC 1-7

**H01H 71/46**; **H01H 71/00**

IPC 8 full level

**H01H 71/46** (2006.01); **H01H 71/56** (2006.01)

CPC (source: EP US)

**H01H 71/462** (2013.01 - EP US); **H01H 71/56** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0892420 A2 19990120**; **EP 0892420 A3 19990512**; **EP 0892420 B1 20050427**; AT E294449 T1 20050515; DE 59712286 D1 20050602; US 6031195 A 20000229

DOCDB simple family (application)

**EP 97121795 A 19971211**; AT 97121795 T 19971211; DE 59712286 T 19971211; US 5907698 A 19980410