

Title (en)
Trip device for overload circuit breaker

Title (de)
Auslöse-Einrichtung für ein Überstrom-Abschaltgerät

Title (fr)
Déclencheur pour disjoncteur de surintensité

Publication
EP 0813218 A3 19980617 (DE)

Application
EP 97890097 A 19970530

Priority
AT 105096 A 19960614

Abstract (en)
[origin: EP0813218A2] The device has a release-armature (1) which actuates a switch lock (20). The armature (1) is actuated by a coil (3) through which the current to be monitored flows. The armature (1) is actuated by a magnetic armature (5) which is moved directly by the coil (3). The magnetic armature (5) is connected to the trigger armature (1) by means of at least one elastic coupling member (4) and preferably one or more auxiliary armatures (11). The trigger armature (1) is held in its rest position with a predetermined holding force, which is preferably a force generated in a mechanical manner. The force may be e.g. a friction force which can be generated by components in contact with the trigger armature (1) e.g. a snap spring.

IPC 1-7
H01H 71/24; **H01H 71/44**

IPC 8 full level
H01H 71/24 (2006.01); **H01H 71/44** (2006.01); **H01H 71/26** (2006.01); **H01H 71/32** (2006.01)

CPC (source: EP)
H01H 71/2454 (2013.01); **H01H 71/2463** (2013.01); **H01H 71/44** (2013.01); **H01H 71/26** (2013.01); **H01H 71/32** (2013.01)

Citation (search report)

- [XY] DE 438518 C 19261216 - AEG
- [X] GB 522303 A 19400614 - GORDON SPENCER MARSTON, et al
- [Y] GB 189617 A 19221207 - ELECTRIC CONSTRUCTION CO, et al
- [Y] DE 4238939 A1 19930624 - ABB PATENT GMBH [DE]

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EP2141717A3; CN105513916A; AU746757B2; EP2533263A1; CN103000462A; US11328889B2; WO0021109A1; EP3537467B1

Designated contracting state (EPC)
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EP 97890097 A 19970530; AR P970102590 A 19970613; AT 105096 A 19960614; AT 97890097 T 19970530; AU 2373197 A 19970530; CN 97113263 A 19970613; DE 59712329 T 19970530; ES 97890097 T 19970530; GR 980300005 T 19980227; HK 98102474 A 19980324; IN 1046CA1997 A 19970605; SG 1997001900 A 19970603; TN SN97104 A 19970510