

Title (en)

Electromagnetic actuator, in particular a trip device, in particular for a circuit breaker

Title (de)

Elektromagnetischer Aktor, insbesondere elektromagnetischer Auslöser, insbesondere für einen Leitungsschutzschalter

Title (fr)

Actionneur électromagnétique, en particulier un dispositif de déclenchement, en particulier pour un disjoncteur

Publication

EP 1071108 A3 20020619 (DE)

Application

EP 00114808 A 20000711

Priority

DE 19934094 A 19990721

Abstract (en)

[origin: EP1071108A2] A rotatably mounted rocker (23), whose location is fixed w.r.t. the actuator, is provided with a first arm (22) coupled to an armature (16) and a second arm (24) acting on one end of a captive spring (29). The other end of the spring is fixed. The rocker is arranged so that the articulation point of the spring bends along a dead-point line extending through the pivot point and articulation point when triggered, so that the force of the spring keeping the armature (16) in its rest position is reduced.

IPC 1-7

H01H 71/24; **H01H 71/10**

IPC 8 full level

H01H 71/10 (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)

H01H 71/2463 (2013.01)

Citation (search report)

- [A] DE 2024143 A1 19711202 - SIEMENS AG
- [A] DE 3619239 A1 19871210 - KLOECKNER MOELLER ELEKTRIZIT [DE]

Designated contracting state (EPC)

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

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EP 1071108 A2 20010124; **EP 1071108 A3 20020619**; **EP 1071108 B1 20030827**; AT E248433 T1 20030915; DE 19934094 A1 20010125; DE 50003421 D1 20031002; HU 0002802 D0 20000928; HU P0002802 A2 20010228; PL 341552 A1 20010129

DOCDB simple family (application)

EP 00114808 A 20000711; AT 00114808 T 20000711; DE 19934094 A 19990721; DE 50003421 T 20000711; HU P0002802 A 20000720; PL 34155200 A 20000719