

Title (en)

A spring-operated energy accumulation control for medium and high-voltage circuit breakers

Title (de)

Federkraftspeicherantrieb für Mittel- und Hochspannungsschalter

Title (fr)

Commande à accumulateur d'énergie à ressort pour interrupteur à moyenne et haute tension

Publication

**EP 1244124 A1 20020925 (EN)**

Application

**EP 01830197 A 20010321**

Priority

EP 01830197 A 20010321

Abstract (en)

A spring-operated energy accumulation control for medium and high-voltage circuit breakers. A first shaft (30) carrying a partially toothed ratchet wheel (31) that can rotate about its longitudinal axis and a second shaft (32) having its axis parallel to and eccentric with respect to the axis of the first shaft (30) and carrying the first end of a crank (33) that rotates around the second shaft axis, the said toothed wheel (31) is associated with a ratchet device (34) and carries a dragging means (38) and a blocking means (39) to bring it to a halt against a closing release device (44); the toothed wheel carries also means (40) for connecting the free end of a closing spring (41) and the said crank (33) carries an opening release device (45) at its second end which is linked to the first end of a manoeuvring bar (46) that in association with the lever mechanisms (47, 48, 49, 51, 52), the transmission shaft (50) and the opening spring (53) cause the closing and opening of a circuit breaker pole (54). <IMAGE>

IPC 1-7

**H01H 3/30**

IPC 8 full level

**H01H 3/30** (2006.01)

CPC (source: EP)

**H01H 3/3021** (2013.01); **H01H 3/3026** (2013.01); **H01H 2003/3084** (2013.01)

Citation (search report)

- [Y] DE 2420492 A1 19751030 - SIEMENS AG
- [Y] EP 0847065 A1 19980610 - SACHSENWERK AG [DE]
- [A] US 3689721 A 19720905 - MCGUFFIE ALAN G
- [A] US 5280258 A 19940118 - OPPERTHAUSER RAY W [US]

Cited by

EP1901324A3; CN113113270A; EP2204827A3

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