

Title (en)

Control device with rectilinear springs for high voltage circuitbreaker

Title (de)

Steuerung mit gradlinigen Federn für Hochspannungsleistungsschalter

Title (fr)

Commande à ressorts rectilignes pour disjoncteur à haute tension

Publication

EP 0801406 A1 19971015 (FR)

Application

EP 97400734 A 19970401

Priority

FR 9604451 A 19960410

Abstract (en)

The controller incorporates an opening spring (25) and a coaxial closing spring (32) whose release causes compression of the opening spring. The latter drives a disc (24) fitted to the end of a rod (13) which is connected (12) to a piston carrying the moving contacts. The compression is performed after a trip by a reversible motor (44) aligned with the common axis (x-x) and driving a threaded shaft (43) integral with arms (40) bearing upon the ring (31) against which the closing spring abuts.

Abstract (fr)

Commande pour un disjoncteur, permettant notamment un cycle O-F-O, suivi d'un cycle F-O, comprenant un ressort de déclenchement (25) et un ressort d'enclenchement (32), coaxiaux, la détente du ressort d'enclenchement (32) entraînant la compression du ressort de déclenchement (25), caractérisée en ce la compression du ressort d'enclenchement est assurée par des moyens coaxiaux aux ressorts et comprenant un moteur électrique (44) à deux sens de rotation. <IMAGE>

IPC 1-7

H01H 3/30; **H01H 33/40**

IPC 8 full level

H01H 3/30 (2006.01); **H01H 33/40** (2006.01); **H01H 3/26** (2006.01)

CPC (source: EP US)

H01H 3/3026 (2013.01 - EP US); **H01H 33/40** (2013.01 - EP US); **H01H 3/264** (2013.01 - EP US); **H01H 3/3052** (2013.01 - EP US); **H01H 2003/3063** (2013.01 - EP US); **H01H 2003/3094** (2013.01 - EP US)

Citation (search report)

- [A] EP 0660347 A1 19950628 - GEC ALSTHOM T & D SA [FR]
- [DA] EP 0221430 A1 19870513 - ALSTHOM [FR]

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FR2778492A1; FR2779565A1; FR2907596A1; US8309871B2; WO2008046823A1

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