

Title (en)

High voltage circuit breaker with spring actuator with an additional energy recuperating spring

Title (de)

Hochspannungsschalter mit Federsteuerung und Zusatzfeder für Energie-Rückgewinnung

Title (fr)

Disjoncteur à haute tension ayant une commande à ressorts avec un ressort additionnel de récupération d'énergie

Publication

EP 1237169 B1 20100407 (FR)

Application

EP 02290446 A 20020222

Priority

FR 0102784 A 20010301

Abstract (en)

[origin: EP1237169A1] The circuit breaker has a chamber (1) with a moving contact driven by a spring control (3) opening or closing the switch. A first spring (7) opens the contact, whilst a second spring (10) closes the contact arming the first spring. There is an additional spring (20) providing a supplementary opening force. The additional spring has an inverter activated before the end of the opening cycle, opposing contact movement and storing energy in the spring for the next cycle.

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP US)

H01H 3/30 (2013.01 - EP US); **H01H 2003/3084** (2013.01 - EP US)

Cited by

CN101640134A

Designated contracting state (EPC)

CH DE FR IT LI SE

DOCDB simple family (publication)

EP 1237169 A1 20020904; **EP 1237169 B1 20100407**; DE 60235855 D1 20100520; FR 2821696 A1 20020906; FR 2821696 B1 20030425; US 2002121503 A1 20020905; US 6667452 B2 20031223

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