

Title (en)

Driving device for the spring energy accumulator of an electric switch

Title (de)

Antriebsvorrichtung für einen Federspeicher eines elektrischen Schalters

Title (fr)

Dispositif d'entraînement pour l'accumulateur à ressort d'un interrupteur électrique

Publication

EP 1357567 A3 20040414 (DE)

Application

EP 03090101 A 20030409

Priority

DE 10219559 A 20020426

Abstract (en)

[origin: EP1357567A2] The device has a motor driving a drive shaft in the tensioning direction, a cam plate coupled to the shaft for driving a tensioning element during a tensioning phase and at least one motor control plate coupled to the shaft. The couplings between the cam and control plates and drive shaft are designed so the cam plate can lead the control plate at least slightly in the tensioning direction after passing through the tensioning phase. The device (19) has a motor (21) driving a drive shaft (22) in the tensioning direction, a cam plate (24) coupled to the shaft for driving a tensioning element during a tensioning phase and at least one motor control plate (26) coupled to the drive shaft. The couplings between the cam plate and control plate and the drive shaft are designed so that the cam plate can lead the control plate at least slightly in the tensioning direction after passing through the tensioning phase. AN Independent claim is also included for the following: (a) an electric switch, especially a low voltage power switch.

IPC 1-7

H01H 3/30

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP)

H01H 3/30 (2013.01)

Citation (search report)

- [A] US 5224590 A 19930706 - MILIANOWICZ STANISLAW A [US], et al
- [A] US 2307567 A 19430105 - COGGESHALL THELLWELL R, et al
- [DA] EP 1164605 A2 20011219 - SIEMENS AG [DE]

Cited by

EP2565891B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1357567 A2 20031029; EP 1357567 A3 20040414; EP 1357567 B1 20060621; DE 10219559 C1 20031120; DE 50303899 D1 20060803

DOCDB simple family (application)

EP 03090101 A 20030409; DE 10219559 A 20020426; DE 50303899 T 20030409