

Title (en)

Tensioner for a spring-loading device for a circuit breaker

Title (de)

Spannvorrichtung für einen Federspeicher eines Leistungsschalters

Title (fr)

Système tendeur pour accumulateur à ressort pour disjoncteur

Publication

EP 1164605 A3 20040121 (DE)

Application

EP 01250192 A 20010530

Priority

DE 10029123 A 20000614

Abstract (en)

[origin: EP1164605A2] The device has a cam disk, lever system and catch. In a clamping phase the cam disc and lever system are coupled by a roller and the disc can be rotated by a drive system from an initial position. In an engagement phase the disk and lever system are decoupled and the disk is stopped by the catch. The lever system can be coupled to the disk so the disk is rotated to its initial position by the force of the released spring device after decoupling. The device has a cam disk (1), a lever system (2) and a catch device (3). During a spring storage device (6) clamping phase the cam disc and lever system are coupled by a roller (4) and the cam disc can be rotated by a drive system from an initial position by a first angle. During an engagement phase the cam disk and lever system are decoupled and the cam disk is stopped by the catch after turning through a second angle. During a release phase the cam disk and catch can be decoupled. The sum of the two angles is smaller than 360 degrees by a difference angle and the lever system can be coupled to the cam disk so that the cam disk can be rotated through the difference angle to its initial position by the force of the released spring storage device after decoupling from the catch.

IPC 1-7

H01H 3/30

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP)

H01H 3/3015 (2013.01)

Citation (search report)

- [DA] EP 0089463 A2 19830928 - MITSUBISHI ELECTRIC CORP [JP]
- [DA] EP 0150756 A2 19850807 - MERLIN GERIN [FR]

Cited by

DE102010011997A1; EP1357567A3; RU2716820C2; CN106449205A; EP1398540A3; CN102194580A; US10269521B2; EP1398540A2; WO2017020818A1; US8461469B2; DE102010011997B4

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