

Title (en)

DEVICE FOR GUIDING A SPRING IN A CONTROL MECHANISM AND ELECTRICAL PROTECTION APPARATUS INCLUDING IT

Title (de)

FEDERFÜHRUNGSVORRICHTUNG IN EINEM BETÄTIGUNGSMECHANISMUS UND DAMIT VERSEHENES ELEKTRISCHES SCHUTZGERÄT

Title (fr)

DISPOSITIF DE GUIDAGE D'UN RESSORT DANS UN MÉCANISME DE COMMANDE ET APPAREIL DE PROTECTION ÉLECTRIQUE LE COMPORTANT

Publication

EP 3182433 B1 20180228 (FR)

Application

EP 16188897 A 20160915

Priority

FR 1562718 A 20151218

Abstract (en)

[origin: CN107017100A] The present invention relates to a device for guiding a spring belonging to a control mechanism, said device comprising two connecting rods capable of sliding with respect to each other and hingedly connected respectively by their free ends to two axes of which at least one of which is mechanically connected to a so-called maneuvering shaft and a compression spring supported by its two opposite ends respectively on the two aforementioned axes. This device is characterized in that it comprises means for slidably guiding the two connecting rods with respect to one another, a closed oblong orifice (20) formed at one of the ends of each of the connecting rods, an orifice (21) formed at the other end of each of the connecting rods, these connecting rods being mounted head to tail, the closed oblong orifices (20) being capable of retaining the two axes (6, 7) respectively, the two open slots (21) being able to let the two axes (6, 7) escape respectively, so as to vary the guide stroke.

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: CN EP)

H01H 3/30 (2013.01 - EP); **H01H 3/3005** (2013.01 - CN); **H01H 3/3047** (2013.01 - EP)

Cited by

CN113748476A; CN113811970A; WO2020200951A1; WO2020201000A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3182433 A1 20170621; **EP 3182433 B1 20180228**; CN 107017100 A 20170804; CN 107017100 B 20200612; FR 3045930 A1 20170623; FR 3045930 B1 20171222

DOCDB simple family (application)

EP 16188897 A 20160915; CN 201611100230 A 20161202; FR 1562718 A 20151218