

Title (en)  
OFFSET-LOCK ELECTRICAL APPARATUS FOR LINE PROTECTION

Title (de)  
ELEKTRISCHE LEITUNGSSCHUTZVORRICHTUNG MIT VERSETZTER SPERRE

Title (fr)  
APPAREIL ELECTRIQUE DE PROTECTION DE LIGNE A SERRURE DECALEE

Publication  
**EP 2810294 A1 20141210 (FR)**

Application  
**EP 13706601 A 20130131**

Priority

- FR 1250898 A 20120131
- FR 2013050198 W 20130131

Abstract (en)  
[origin: WO2013114044A1] Apparatus for line protection comprising: a cutoff device (1) controlled by a handle (4) for controlling a moving contact (5) fixed to a rotary contact-holder bar (6) driving said moving contact (5) away from or towards a fixed contact (7), said handle (4) being linked to the bar (6) by way of a mechanical lock able to toggle thereby opening/closing the contacts (5, 7) following a manual action on the handle (4); a tripping device (2) comprising at least one actuator able to carry over to the lock of the cutoff device (1) an electrical fault on a line so as to make it toggle; said bar (6) being mobile in rotation about an axis X offset with respect to the median transverse plane of the casing of the apparatus, whereas said handle (4), projecting from the front facade (8) of the apparatus, is mobile according to a travel, the mid-point of which is centred with respect to the median transverse plane of the apparatus, the latter also comprising means for transforming the translational motion of the handle (4) into a rotational motion of the bar (6). This apparatus is characterized in that said transforming means consist of means of translational guidance of the handle (4) combined with means of rotational driving of an intermediate part (18) constituting, with a lever (21) mounted pivotably in the bar (6) and with restoring means (20) linking the intermediate part (18) spring to the lever (21), a knuckle-type mechanism forming the lock.

IPC 8 full level  
**H01H 71/52** (2006.01)

CPC (source: EP)  
**H01H 71/524** (2013.01); **H01H 71/525** (2013.01)

Citation (search report)  
See references of WO 2013114044A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 2986366 A1 20130802; FR 2986366 B1 20150109**; EP 2810294 A1 20141210; EP 2810294 B1 20160113; JP 2015505638 A 20150223; JP 6169617 B2 20170726; WO 2013114044 A1 20130808

DOCDB simple family (application)  
**FR 1250898 A 20120131**; EP 13706601 A 20130131; FR 2013050198 W 20130131; JP 2014555286 A 20130131