

Title (en)

TRIP DEVICE AND CIRCUIT BREAKER FOR ELECTRIC WIRING HAVING SAME

Title (de)

AUSLÖSEVORRICHTUNG UND SCHUTZSCHALTER FÜR ELEKTRISCHE VERDRAHTUNG DAMIT

Title (fr)

DISPOSITIF DE DÉCLENCHEMENT ET DISJONCTEUR POUR CÂBLAGE ÉLECTRIQUE LE COMPRENANT

Publication

EP 2736064 B1 20170614 (EN)

Application

EP 12858425 A 20121214

Priority

- KR 20110136253 A 20111216
- KR 2012010894 W 20121214

Abstract (en)

[origin: EP2736064A1] According to the present invention, a trip device and a circuit breaker for electric wiring having the same includes: a manipulation lever which rotates between ON/OFF or trip positions; a switching device which has a first elastic member to return the manipulation lever to the ON position; a locking member which stops the manipulation lever in the OFF position; a stator which is made of a conductor such that current can be induced and flow through the inside thereof; a mover which is rotated depending on whether abnormal current occurs to be in contact with or separated from the stator; and a multi-joint link member which releases the stopping of the locking member in cooperation with the manipulation lever, which rotates into the OFF position, when the mover and the stator are welded with each other.

IPC 8 full level

H01H 71/50 (2006.01)

CPC (source: EP KR)

H01H 71/10 (2013.01 - KR); **H01H 71/501** (2013.01 - EP); **H01H 71/521** (2013.01 - EP); **H01H 71/525** (2013.01 - EP); **H01H 73/04** (2013.01 - KR); **H01H 1/2041** (2013.01 - EP)

Citation (examination)

US 2005051414 A1 20050310 - SUBRAMANIAN ANANTHRAM [IN], et al

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 2736064 A1 20140528; **EP 2736064 A4 20150429**; **EP 2736064 B1 20170614**; CN 103797558 A 20140514; CN 103797558 B 20161026; KR 101326987 B1 20131113; KR 20130068845 A 20130626; WO 2013089475 A1 20130620

DOCDB simple family (application)

EP 12858425 A 20121214; CN 201280045374 A 20121214; KR 20110136253 A 20111216; KR 2012010894 W 20121214