

Title (en)
ELECTRIC SWITCHING DEVICE

Title (de)
ELEKTRISCHE SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION ÉLECTRIQUE

Publication
EP 2596514 A1 20130529 (EN)

Application
EP 11734133 A 20110721

Priority

- EP 10170526 A 20100722
- EP 2011062571 W 20110721
- EP 11734133 A 20110721

Abstract (en)
[origin: EP2410554A1] The invention relates to a electric switching device with a bi-metal tripping device and a latching mechanism with a releasing jack system to be triggered by the tripping device via a tripping bridge, in particular a motor protection switch or a circuit breaker. The invention also relates to a method for compensation of different bending distances of at least two bi-metal tripping devices of in parallel operated conductor rails. The objective of the invention is to provide an electric switching device with at least two conductor rails, which are operated in parallel, a bi-metal tripping device for each conductor rail and a release jack system to be triggered by the tripping device which does not trip under normal operating states, i.e. which does not trip to early. The invention discloses an electric switching device with at least two conductor rails, which are operated in parallel, a bi-metal tripping device for each conductor rail, a first tripping bridge with jogs for the bi-metals and a releasing jack system to be triggered by the tripping device via the first tripping bridge having a second tripping bridge and a tripping lever, which is able to detect different bending distances of the at least two bi-metal tripping devices of the parallel operated conductor rails and to control the releasing jack system via the tripping lever in such a way, that the forward motion of the more bended bi-metal tripping device will be compensated. The invention also discloses a method for compensating different bending distances of such electric switching device.

IPC 8 full level
H01H 83/22 (2006.01)

CPC (source: EP)
H01H 83/223 (2013.01)

Citation (search report)
See references of WO 2012010672A1

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 2410554 A1 20120125; EP 2596514 A1 20130529; WO 2012010672 A1 20120126

DOCDB simple family (application)
EP 10170526 A 20100722; EP 11734133 A 20110721; EP 2011062571 W 20110721