

Title (en)

MONITORING METHOD FOR A SEPARATION PATH OF AN ELECTRIC SWITCHING DEVICE, WHICH IS DEFINED BY CONTACT PIECES WHICH CAN BE DISPLACED IN RELATION TO EACH OTHER, AND ASSOCIATED DEVICE FOR CARRYING OUT SAID MONITORING METHOD

Title (de)

ÜBERWACHUNGSVERFAHREN FÜR EINE DURCH RELATIV ZUEINANDER BEWEGBARE KONTAKTSTÜCKE BEGRENZTE TRENNSTRECKE EINES ELEKTRISCHEN SCHALTGERÄTES SOWIE ZUGEHÖRIGE VORRICHTUNG ZUR AUSFÜHRUNG DES ÜBERWACHUNGSVERFAHRENS

Title (fr)

PROCEDE POUR SURVEILLER UNE TRAJECTOIRE DE SEPARATION D'UN DISPOSITIF DE COMMUTATION ELECTRIQUE, QUI DELIMITE DES PIECES DE CONTACT MOBILES L'UNE PAR RAPPORT A L'AUTRE, ET DISPOSITIF CORRESPONDANT POUR METTRE EN OEUVRE LE PROCEDE

Publication

**EP 1807852 B1 20110518 (DE)**

Application

**EP 05797275 A 20051021**

Priority

- EP 2005055441 W 20051021
- DE 102004053612 A 20041102

Abstract (en)

[origin: WO2006048381A1] The invention relates to a separation path (2) of an electric switching device, which is defined by two contact pieces (3, 4) which can be displaced in relation to each other. The relative position of the contact pieces (3, 4) is detected by a first position monitoring device (7) and by a second position monitoring device (8). Also, the insulation resistance of an insulating medium located in the region of the separation path (2) is determined. According to the invention, a release signal (12) is produced in the presence of a specific relative position of the contact pieces (3, 4) and an insulation resistance of the insulating medium which is associated with the relative position, said signal classifying the separation path (2) as in the separation position.

IPC 8 full level

**H01H 11/00** (2006.01)

CPC (source: EP KR)

**H01H 11/00** (2013.01 - KR); **H01H 11/0062** (2013.01 - EP); **H01H 71/04** (2013.01 - KR); **H01H 9/168** (2013.01 - EP); **H01H 31/32** (2013.01 - EP); **H01H 33/563** (2013.01 - EP); **H01H 2001/0021** (2013.01 - EP); **H01H 2071/048** (2013.01 - EP)

Citation (examination)

GB 2250380 A 19920603 - IST LAB LTD [GB]

Designated contracting state (EPC)

CH DE FR LI

DOCDB simple family (publication)

**DE 102004053612 A1 20060504**; CN 101053050 A 20071010; CN 101053050 B 20101006; EP 1807852 A1 20070718; EP 1807852 B1 20110518; KR 100887432 B1 20090310; KR 20070051942 A 20070518; WO 2006048381 A1 20060511

DOCDB simple family (application)

**DE 102004053612 A 20041102**; CN 200580037799 A 20051021; EP 05797275 A 20051021; EP 2005055441 W 20051021; KR 20077008674 A 20070417