

Title (en)

METHOD FOR CLOSING A SWITCH AND SWITCH FOR PERFORMING THE METHOD

Title (de)

VERFAHREN ZUM SCHLIESSEN EINES SCHALTERS UND SCHALTER ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE FERMETURE D'UN INTERRUPTEUR ET INTERRUPTEUR PERMETTANT LA MISE EN UVRE DE CE PROCÉDÉ

Publication

EP 2873082 A1 20150520 (DE)

Application

EP 13756842 A 20130822

Priority

- DE 102012215479 A 20120831
- EP 2013067437 W 20130822

Abstract (en)

[origin: WO2014033039A1] The invention relates to a method for closing a switch (1) and a switch (1) for performing the method, the switch (1) having (a) a stationary switch contact (4) comprising a stationary contact face (4b), (b) a movable switch contact (5) comprising a movable contact face (5b) which runs parallel to the stationary contact face (4b) and lies under pressure against the stationary contact face (4b) in the closed state, and (c) an elastic transversal offset of the contact faces (4, 5) which ensures that pressure is applied when the contact surfaces (4, 5) lie against each other. In order to guarantee closing during a short-circuit, a displaceable counter-pressure element (11) is provided which presses against the movable contact face (5b) in the open position and at least reduces the transversal offset, characterised in that the counter-pressure element (11) moves in conjunction with the movable switch contact (5) towards the closed position when the switch closes and in that the counter-pressure element (11) stops moving during the closing movement, while the movable contact face (5b) continues to move into the closed position.

IPC 8 full level

H01H 33/12 (2006.01); **H01H 1/42** (2006.01)

CPC (source: CN EP US)

H01H 1/36 (2013.01 - US); **H01H 1/42** (2013.01 - CN EP US); **H01H 1/50** (2013.01 - US); **H01H 33/121** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014033039A1

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)

WO 2014033039 A1 20140306; CN 104584169 A 20150429; CN 104584169 B 20170405; DE 102012215479 A1 20140306; DE 102012215479 B4 20140821; EP 2873082 A1 20150520; EP 2873082 B1 20160928; US 2015206667 A1 20150723; US 9734958 B2 20170815

DOCDB simple family (application)

EP 2013067437 W 20130822; CN 201380044126 A 20130822; DE 102012215479 A 20120831; EP 13756842 A 20130822; US 201314421891 A 20130822