Title (en)

DRIVE FOR A SWITCHING DEVICE

Title (de)

ANTRIEB FÜR EIN SCHALTGERÄT

Title (fr)

MÉCANISME DE MAN UVRE POUR APPAREIL DE COUPURE ÉLECTRIQUE

Publication

EP 2956950 A1 20151223 (DE)

Application

EP 14718051 A 20140415

Priority

- DE 102013207436 A 20130424
- EP 2014057616 W 20140415

Abstract (en)

[origin: WO2014173728A1] The invention relates, inter alia, to a drive (100) for a switching device (10) which has a contact system (20) with a fixed contact (30) and a moving contact (40), having an actuator (110) for operating the moving contact (40) for closing or opening the contact system (20), and also having a mechanical transmission device (120) which is arranged between the moving contact (40) and the actuator (110). The invention makes provision for the transmission device (120) to have a toggle joint mechanism (130) which is formed by a folding lever (140), which can be pivoted about a stationary bearing (160), and a coupling element (150), which is connected to the folding lever (140) by means of a moving bearing (170), wherein the toggle joint mechanism (130) can be pivoted between a first end position and a second end position and, when the changeover is made from the first end position to the second end position or vice versa, a maximum extended position occurs, and wherein the coupling element (150) holds the moving contact (40) in that position which closes the contact system (20) in the first end position and in that position in which the contact system (20) is open in the second end position.

IPC 8 full level

H01H 3/46 (2006.01); **H01H 3/52** (2006.01)

CPC (source: EP US)

H01H 3/46 (2013.01 - EP US); **H01H 3/52** (2013.01 - EP US)

Citation (search report)

See references of WO 2014173728A1

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)

DE 102013207436 A1 20141030; **DE 102013207436 B4 20210602**; CN 105190815 A 20151223; CN 105190815 B 20180216; EP 2956950 A1 20151223; JP 2016517153 A 20160609; KR 20150134388 A 20151201; US 2016035505 A1 20160204; US 9530580 B2 20161227; WO 2014173728 A1 20141030; ZA 201507253 B 20170329

DOCDB simple family (application)

DE 102013207436 A 20130424; CN 201480023197 A 20140415; EP 14718051 A 20140415; EP 2014057616 W 20140415; JP 2016509382 A 20140415; KR 20157030324 A 20140415; US 201414781347 A 20140415; ZA 201507253 A 20150930