

Title (en)

SET OF FORCE TRANSMISSION ELEMENTS FOR A SWITCH

Title (de)

SATZ VON KRAFTÜBERTRAGUNGSELEMENTEN FÜR EINEN SCHALTER

Title (fr)

ENSEMBLE D'ÉLÉMENTS DE TRANSMISSION DE FORCE POUR COMMUTATEUR

Publication

EP 3602597 A1 20200205 (FR)

Application

EP 18711602 A 20180323

Priority

- FR 1752611 A 20170329
- EP 2018057547 W 20180323

Abstract (en)

[origin: WO2018177964A1] The invention relates to an element for transmitting depression force between a switch body (3) and a whole number N of electronic switches (11) that is greater than or equal to 2, said switches being disposed on the ends of a segment (S) or the vertices of a polygon (P), comprising N plungers (7) that are translationally movable along a depression axis of the switch body (3), and a flexible frame (9) connecting the N plungers (7), characterised in that the frame (9) comprises: - for each plunger (7), a bypass portion (13) each partially surrounding the associated plunger (7); - connection portions (15) pairwise connecting the bypass portions (13) so as to form a closed outer frame; - control members (17) bearing on a free end of a plunger (7) and connected by the other end to the bypass portion of an adjacent plunger (7) following the polygon (P) in a predetermined direction.

IPC 8 full level

H01H 25/04 (2006.01)

CPC (source: EP)

H01H 25/041 (2013.01)

Citation (search report)

See references of WO 2018177964A1

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 2018177964 A1 20181004; EP 3602597 A1 20200205; EP 3602597 B1 20201230; FR 3064813 A1 20181005; FR 3064813 B1 20190614; JP 2020512672 A 20200423; JP 7170657 B2 20221114

DOCDB simple family (application)

EP 2018057547 W 20180323; EP 18711602 A 20180323; FR 1752611 A 20170329; JP 2019553444 A 20180323