

Title (en)
MULTI-SWITCH

Title (de)
MEHRFACHSCHALTER

Title (fr)
MULTI-COMMUTATEUR

Publication
EP 4009344 A1 20220608 (EN)

Application
EP 20383047 A 20201201

Priority
EP 20383047 A 20201201

Abstract (en)
Multi-switch (D), comprising a base (B) and a key (T) articulated at two ends with respect to the base (B) such that the key (T) can be in a resting position, rotate about a first axis (Γ_1) or about a second axis (Γ_2) or be displaced in a z direction (Z) and that comprises a first end micro switch (MS1) and a central micro switch (MSC) wherein the activation angle (α_1 -act) of the first end micro-switch (MS1) is greater than the first activation angle (α_1 C-act) of the central micro-switch (MSC), such that at least three intervals are defined depending on the rotation angle of the key (T) about the first axis (Γ_1), an interval wherein none of the first end (MS1) and central (MSC) micro-switches are activated, an interval wherein only the central micro-switch (MSC) is activated and an interval wherein both the first end (MS1) and central (MSC) micro-switches are activated.

IPC 8 full level
H01H 25/04 (2006.01); **G05G 9/047** (2006.01)

CPC (source: BR CN EP)
H01H 13/14 (2013.01 - CN); **H01H 13/503** (2013.01 - CN); **H01H 25/041** (2013.01 - EP); **H01R 39/04** (2013.01 - BR); **G05G 9/047** (2013.01 - EP); **H01H 2221/012** (2013.01 - EP)

Citation (search report)
• [A] EP 1619704 A1 20060125 - MERTEN GMBH & CO KG [DE]
• [A] EP 1182678 A1 20020227 - THOMSON LICENSING SA [FR]

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)
EP 4009344 A1 20220608; **EP 4009344 B1 20230913**; **EP 4009344 C0 20230913**; BR 102021024066 A2 20220614; CN 114582654 A 20220603; ES 2965317 T3 20240412; MX 2021014621 A 20220602; PL 4009344 T3 20240205

DOCDB simple family (application)
EP 20383047 A 20201201; BR 102021024066 A 20211129; CN 202111419883 A 20211126; ES 20383047 T 20201201; MX 2021014621 A 20211129; PL 20383047 T 20201201