

Title (en)

Electrical joystick

Title (de)

Elektrischer Steuerknüppel

Title (fr)

Manette de commande électrique

Publication

EP 1621954 A1 20060201 (DE)

Application

EP 05016255 A 20050727

Priority

DE 102004036574 A 20040728

Abstract (en)

The operating knob (2) is swung using the pivot (3) in one or more preferred directions. The pivoting and/or sliding (5) units work with a component (7, 8) producing tactile sensation. The switch (1) casing (16) has upper and lower parts (9, 10). The knob (2) projects out from the casing. The knob can also be rotated, with further provision to generate tactile sensations.

IPC 8 full level

G05G 9/047 (2006.01); **G05G 5/06** (2006.01)

CPC (source: EP)

G05G 5/06 (2013.01); **G05G 9/047** (2013.01); **G05G 9/04792** (2013.01); **G05G 9/04796** (2013.01); **H01H 25/04** (2013.01); **G05G 2009/04707** (2013.01); **G05G 2009/04759** (2013.01); **G05G 2009/04766** (2013.01); **G05G 2009/0477** (2013.01); **G05G 2009/04777** (2013.01); **G05G 2009/04781** (2013.01); **H01H 2025/043** (2013.01); **H01H 2025/048** (2013.01)

Citation (applicant)

- US 4459440 A 19840710 - WICZER MAX [US]
- DE 29604717 U1 19960530 - MOELLER JENS ULRICH [DE]

Citation (search report)

- [X] DE 10241869 A1 20030424 - MARQUARDT GMBH [DE]
- [X] EP 1215556 A2 20020619 - MARQUARDT GMBH [DE]
- [X] EP 1205956 A2 20020515 - ALPS ELECTRIC CO LTD [JP]
- [X] EP 0125991 A1 19841121 - THOMSON CSF [FR]
- [A] US 2899841 A 19590818
- [A] EP 0509969 A1 19921021 - MAGNETI MARELLI SPA [IT]
- [A] US 4784008 A 19881115 - PAQUEREAU PHILIPPE [FR], et al
- [A] US 2003099023 A1 20030529 - ORRICO MARIO M [US], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1621954 A1 20060201; **EP 1621954 B1 20110720**; AT E517382 T1 20110815; DE 102005035526 A1 20060323; ES 2368552 T3 20111118

DOCDB simple family (application)

EP 05016255 A 20050727; AT 05016255 T 20050727; DE 102005035526 A 20050726; ES 05016255 T 20050727