

Title (en)

Back lighting of a control button with an illuminated guide

Title (de)

Hintergrundbeleuchtung eines Betätigungsknopfs mit Lichtleiter

Title (fr)

Rétro éclairage d'un bouton de commande avec guide lumière

Publication

EP 1752853 A1 20070214 (FR)

Application

EP 06116735 A 20060706

Priority

FR 0508509 A 20050811

Abstract (en)

The device has a movable control knob (60) with a hollow part (70) to be inserted in an opening (10) of a housing frontage (20). A sliding light guide ring (40), with a visible part (45), transmits the light from a light source (100) e.g. LED, to the part (45). Light guiding units are constituted of the ring, the part (45) and partially the part (70) to be inserted. An inner part (80) forms bearings for guiding the movement of the knob with respect to the frontage.

IPC 8 full level

G05G 1/10 (2006.01); **H01H 19/02** (2006.01)

CPC (source: EP)

G05G 1/105 (2013.01)

Citation (applicant)

US 6685327 B2 20040203 - DOERRIE CHRISTIAN [DE]

Citation (search report)

- [XY] DE 19539081 A1 19970424 - PREH ELEKTRO FEINMECHANIK [DE]
- [X] US 6224221 B1 20010501 - GLIENICKE HAIKO [DE]
- [X] DE 2917367 A1 19801016 - FELLER AG
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- [X] EP 0933792 A1 19990804 - TOKAI RIKI CO LTD [JP]
- [XA] US 2003112160 A1 20030619 - HSIUNG I [CN], et al
- [Y] US 4930048 A 19900529 - ITO KUNIYASU [JP]

Cited by

FR2941543A1; CN113613932A; EP2211249A3; EP2151806A1; CN103034279A; CN106094974A; DE102008042472A1; EP2211249A2; US7943878B2

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1752853 A1 20070214; EP 1752853 B1 20160413; ES 2582188 T3 20160909; FR 2889767 A1 20070216; FR 2889767 B1 20110513

DOCDB simple family (application)

EP 06116735 A 20060706; ES 06116735 T 20060706; FR 0508509 A 20050811