Title (en)

ELECTRICAL SWITCHING ARRANGEMENT WITH ILLUMINATING MEANS

Publication

EP 0417048 A3 19920108 (DE)

Application

EP 90810676 A 19900906

Priority

CH 323789 A 19890906

Abstract (en)

[origin: EP0417048A2] The electrical switching arrangement (11) has a housing (13) which can be attached to a support (3) and has a key surface (13k) which is accessible from a surrounding space adjacent to the front side (3c) of the support. A piezoelectric transducer (25) is arranged inside (19) the housing. When a person presses the key surface (13k) with a finger, the transducer (25) produces an electrical signal. The housing (13) is provided on its end (13h) with an annular groove (13n) which surrounds the key surface (13k) and is closed by transparent closing means (39), from which at least one light-emitting diode (37), provided in the housing (13) can shine out through the closing means (39) and hence make the key surface (13) visually identifiable even when the surrounding space is dark. The switching arrangement (11) is robust and highly resistant particularly to external applications of force.

IPC 1-7

H01H 13/02

IPC 8 full level

B66B 1/46 (2006.01); **H01H 13/02** (2006.01); H01H 9/04 (2006.01)

CPC (source: EP)

B66B 1/462 (2013.01); **B66B 1/465** (2013.01); **H01H 13/023** (2013.01); H01H 9/042 (2013.01); H01H 2201/02 (2013.01); H01H 2219/014 (2013.01); H01H 2219/056 (2013.01); H01H 2219/0622 (2013.01); H01H 2239/038 (2013.01)

Citation (search report)

- [Y] EP 0324228 A2 19890719 - US ELEVATOR CORP [US]
- [Y] US 3113197 A 19631203 - GREEN ALBERT L
- [A] DE 3133134 A1 19830303 - RAU SWF AUTOZUBEHOER [DE]
- [A] US 4778966 A 19881018 - OBATA KOSEI [JP], et al

Cited by

EP1750373A1; EP2085993A1; EP0525374A1; DE102004042861B3; EP1170764A1; FR2811468A1; EP1207542A1; EP1041592A3; DE102005036218A1; EP0567357A1; FR2690502A1; US2022189709A1; US11881366B2; WO02054427A1; WO2006126975A1; WO02054426A1; US7522943B2; EP1632967A1; US7006349B2; WO2023052266A1

Designated contracting state (EPC)

AT CH DE FR IT LI NL

DOCDB simple family (publication)

EP 0417048 A2 19910313; **EP 0417048 A3 19920108**

DOCDB simple family (application)

EP 90810676 A 19900906