

Title (en)

Lateral press push switch for a compact electronic device

Title (de)

Druckschalter mit seitlichem Druckmechanismus für ein kompaktes elektronisches Gerät

Title (fr)

Bouton-poussoir à presse latérale pour dispositif électronique compact

Publication

EP 2395528 A1 20111214 (EN)

Application

EP 10252111 A 20101214

Priority

JP 2010126781 A 20100602

Abstract (en)

Problem: To provide a lateral press push switch for a compact electronic device that has the capability to install with a relative positional relationship that allows the main board of the compact electronic device to be positioned at a central position in the height direction of the rear surface of the lateral press push switch. **Solution Means** The present invention provides a switch component (11) on the front surface of molded case (10) made a flat plate shape and fixed to the side surface of exterior case (30) of a mobile compact electronic device, and arranging such that main board opposing connection piece (20 and 21) projects from the peripheral surface as facing the thickness direction of the flat plate shape of molded case (10), and main board opposing connection piece (20 and 21) is structured of vertically facing projection component (25) that projects from molded case (10), contact spring component (26) that has bent the leading end of vertically facing connection component (25) at an angle toward the molded case rear surface side, and connection component (27) of a shape that has curved the leading end of contact spring component (26) in the opposite direction of the previous incline direction. The leading end of contact spring component (26) can be extended to a central section position of the rear surface of molded case (10), such that connection component (27) makes elastic contact against the pad of the surface of main board (31) within the mobile compact electronic device.

IPC 8 full level

H01H 13/04 (2006.01); **H01H 13/48** (2006.01)

CPC (source: EP)

H01H 13/04 (2013.01); **H01H 13/48** (2013.01); **H01H 2207/012** (2013.01)

Citation (applicant)

- JP 2004079220 A 20040311 - CITIZEN ELECTRONICS
- JP 2007149491 A 20070614 - SMK KK

Citation (search report)

- [Y] JP 2007149491 A 20070614 - SMK KK
- [Y] US 6948942 B1 20050927 - CHIH KUO-HUA [TW]

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 2395528 A1 20111214; CN 102270542 A 20111207; JP 2011253719 A 20111215

DOCDB simple family (application)

EP 10252111 A 20101214; CN 201110005145 A 20110106; JP 2010126781 A 20100602