

Title (en)

Button assembly comprising an electronic component and a depressable button for operating the component

Title (de)

Knopf anordnung mit elektronischer Komponente und niederdrückbarer Knopf für den Betrieb der Komponente

Title (fr)

Ensemble formant bouton comprenant un composant électronique et bouton poussoir pour faire fonctionner le composant

Publication

**EP 2104125 A1 20090923 (EN)**

Application

**EP 08153167 A 20080321**

Priority

EP 08153167 A 20080321

Abstract (en)

A button assembly (2) comprises a electronic component (9), a depressable button (3) for allowing a user of the button assembly (2) to operate the electronic component (9), actuating means (13) which are positioned at a back side of the button (3), and which are adapted to follow a displacement of the button (3) and to act upon the electronic component (9), a sealed casing (12) enclosing the electronic component (9), and a resilient member (22) which is incorporated in a wall of the casing (12). The actuating means comprise an actuating element (13) extending through the resilient member (22) without intermediate space, wherein the actuating element (13) is adapted to act upon the electronic component (9) directly. In this way, it is achieved that the electronic component (9) is protected from external influences, even though the actuating element (13) is allowed to extend from the outside of the casing (12) to the inside of the casing (12).

IPC 8 full level

**H01H 13/02** (2006.01); **H01H 13/06** (2006.01)

CPC (source: EP)

**H01H 13/023** (2013.01); **H01H 13/06** (2013.01); **H01H 13/7013** (2013.01)

Citation (search report)

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- [Y] DE 20204005 U1 20030717 - BARTEC COMPONENTEN & SYST GMBH [DE]
- [Y] DE 19708064 A1 19980903 - MANNESMANN VDO AG [DE]
- [A] DE 10331947 A1 20050224 - HUF HUELSBECK & FUERST GMBH [DE]

Cited by

CN104364865A; US9542017B2; US9484165B2; JP2020069666A; JP2023024503A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**DE 202009003843 U1 20090604**; EP 2104125 A1 20090923; WO 2009115963 A1 20090924

DOCDB simple family (application)

**DE 202009003843 U 20090318**; EP 08153167 A 20080321; IB 2009051044 W 20090313