

Title (en)

Long traveling button switch with enhanced user feedback.

Title (de)

Langhubtastschalter mit verstärktem Benutzer-Feedback.

Title (fr)

Touche de commutateur à grand déplacement et rétroaction accentuée.

Publication

**EP 0423924 A1 19910424 (EN)**

Application

**EP 90308425 A 19900731**

Priority

US 41303289 A 19890927

Abstract (en)

A pushbutton switch including a keycap (11) having a keycap top (11a) and a keycap plunger (11b), a retaining bezel (13) for guiding the keycap plunger and limiting the displacement thereof, a deformable elastomeric switch button (17) supporting a contact pad, and a printed circuit contact pattern (23) engageable by the contact pad when the switch button is deformed by the downward displacement of the keycap plunger. The deformation of the button switch tactile feedback, while impact of the keycap top against the retaining bezel provides audible feedback. The pushbutton switch is configured to limit the downward displacement of the keycap plunger to avoid excessive force on the printed circuit board.

IPC 1-7

**H01H 13/14**

IPC 8 full level

**H01H 13/26** (2006.01); **H01H 13/52** (2006.01); **H01H 13/702** (2006.01); **H01H 13/705** (2006.01)

CPC (source: EP)

**H01H 13/705** (2013.01); **H01H 2215/004** (2013.01); **H01H 2215/03** (2013.01); **H01H 2221/064** (2013.01)

Citation (search report)

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- [Y] DE 8401137 U1 19840503
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- [A] US 4496803 A 19850129 - SMITH WILLIAM D [US]

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