

Title (en)
Electrical push botton switch

Title (de)
Elektrischer Tastschalter

Title (fr)
Interrupteur à bouton poussoir

Publication
EP 0538199 B1 19970903 (DE)

Application
EP 92810783 A 19921013

Priority
• DE 4133949 A 19911014
• DE 4139554 A 19911130

Abstract (en)
[origin: EP0538199A2] Electrical push-button switches, especially short-stroke push-buttons, are used to an increasing extent in film keyboards of electronic apparatuses. A push-button switch (1) has a push-button and a centring cap (11) with positioning pins (23) which centre a snap disc (3). For its part, the snap disc (3) rests on a printed-circuit board (2) having contact fields (6), and bridges over these fields in the event of manual operation of a covering film (12). In order to limit the force which acts on the snap disc (3), a supporting region which simultaneously acts as a movement limiter is provided in the push-button and centring cap (14). The push-button switch (1) of such construction can be assembled detachably and without solder and has a very long life. Illumination and/or marking elements can also be integrated. <IMAGE>

IPC 1-7
H01H 13/48; **H01H 13/70**; **H01H 9/16**

IPC 8 full level
H01H 9/16 (2006.01); **H01H 13/02** (2006.01); **H01H 13/48** (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP)
H01H 13/023 (2013.01); **H01H 13/48** (2013.01); **H01H 13/7006** (2013.01); **H01H 2205/024** (2013.01); **H01H 2221/064** (2013.01); **H01H 2227/026** (2013.01)

Cited by
GB2294158A; EP0764958A3; CN102403151A; EP2431990A3; EP2515315A1; US8598478B2; WO0237516A3; WO2009050061A1; US7250708B2; EP2996129A1; WO2016037808A1; US10229798B2

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