

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

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0538199 A2 19930421**; **EP 0538199 A3 19930630**; **EP 0538199 B1 19970903**; AT E157808 T1 19970915; DE 4139554 A1 19930415; DE 59208850 D1 19971009

DOCDB simple family (application)  
**EP 92810783 A 19921013**; AT 92810783 T 19921013; DE 4139554 A 19911130; DE 59208850 T 19921013