

Title (en)  
Electrical key switch

Title (de)  
Elektrischer Tastschalter

Title (fr)  
Bouton-poussoir électrique

Publication  
**EP 1681695 A1 20060719 (EN)**

Application  
**EP 06008963 A 20030523**

Priority  

- EP 03736713 A 20030523
- US 38290602 P 20020523
- US 41984302 P 20021021
- US 43179602 P 20021209
- US 44422703 P 20030203

Abstract (en)  
The invention relates to an electrical key switch comprising a printed circuit board with multiple switch contacts and a reference trace that are normally electrically isolated from each other, and a metal snap dome disposed above the printed circuit board, and having an outer edge in electrical contact with a reference trace, the dome having an elevated central region forming a downwardly facing cavity defined at its edge by a ridge disposed above the switch contacts, such that when the snap dome is actuated the ridge about the central region engages the printed circuit board in an annular contact zone across the switch contacts, making electrical contact between the snap dome and the switch contacts to electrically connect the switch element with the multiple switch contacts.

IPC 8 full level  
**H01H 13/70** (2006.01)

CPC (source: EP)  
**H01H 13/702** (2013.01); **H01H 2215/006** (2013.01); **H01H 2217/012** (2013.01); **H01H 2217/036** (2013.01); **H01H 2221/006** (2013.01)

Citation (search report)  

- [A] GB 2054268 A 19810211 - STANDARD TELEPHONES CABLES LTD
- [A] WO 0044014 A1 20000727 - LEVY DAVID H [US]
- [A] WO 0195358 A2 20011213 - DIGIT WIRELESS LLC [US], et al

Cited by  
CN103930964A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1681695 A1 20060719; EP 1681695 B1 20090708**; CN 101042963 A 20070926; SI 1509938 T1 20061031

DOCDB simple family (application)  
**EP 06008963 A 20030523**; CN 200710007794 A 20030523; SI 200330370 T 20030523