

Title (en)
KEY SWITCH

Publication
EP 0163874 A3 19861105 (DE)

Application
EP 85104644 A 19850417

Priority
DE 3414909 A 19840419

Abstract (en)
[origin: US4918271A] A low-profile keyboard switch having an improved guide structure for guiding the vertical motion of the keys. Each key assembly comprises a guide member and a key including a keypad, a downwardly projecting central plunger and a downwardly projecting leg or skirt, the inner dimension of the leg or skirt being greater than the outer dimension of the guide member. The guide member is provided with a generally horizontal central opening adapted to receive the plunger and generally vertical peripheral walls which serve as a bearing surface for slide cams which project inwardly from the inner surface of the leg or skirt. Together the contact between the key, the central opening and the peripheral walls assure a vertical orientation for the key and a reduced resistance to key motion.

IPC 1-7
H01H 13/14; **H01H 13/70**

IPC 8 full level
H01H 13/14 (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP US)
H01H 13/14 (2013.01 - EP US); **H01H 2215/004** (2013.01 - EP US); **H01H 2217/01** (2013.01 - EP US); **H01H 2221/026** (2013.01 - EP US)

Citation (search report)
• [X] US 3663780 A 19720516 - GOLBECK BERNARD J
• [X] DE 2301853 B2 19780706
• [A] DE 8214479 U1 19820930
• [A] DE 2352230 B2 19751106

Cited by
GB2191040B; DE102013223843A1; GB2213647A

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
DE 3414909 A1 19851024; DE 3578482 D1 19900802; EP 0163874 A2 19851211; EP 0163874 A3 19861105; EP 0163874 B1 19900627; US 4918271 A 19900417

DOCDB simple family (application)
DE 3414909 A 19840419; DE 3578482 T 19850417; EP 85104644 A 19850417; US 30310589 A 19890124