

Title (en)
Keyboard switch.

Title (de)
Tastaturschalter.

Title (fr)
Interrupteur pour clavier.

Publication
EP 0353900 B1 19940831 (EN)

Application
EP 89307240 A 19890717

Priority
GB 8818351 A 19880802

Abstract (en)
[origin: EP0353900A1] A keyboard switch for use with a membrane switch array (20) to provide a tactile feeling and, optionally, a click sound comprises a housing (10) which is positioned on the membrane switch array (20). A plunger (13) is reciprocally mounted within the housing (10) and projects outwardly from the housing, the plunger having a cam portion (133). An actuating arm (14) is pivoted to the housing (10) and has a first portion (141) extending beneath the plunger (13) and a second, cam follower portion (142) which engages the cam portion (133) of the plunger (13). The first portion (141) of the actuating arm (14) has a boss (1412) on its surface facing away from the plunger (13) for engaging the switch array (20). A compression spring (15) extends between the plunger (13) and the first portion 141 of the actuating arm (14) to urge the plunger (13) outwardly from the housing (10). A leaf spring (16) is mounted to the housing (10) and has a portion (161) which normally engages the plunger (13) whereby when the plunger is depressed into the housing (10) the boss (1412) on the actuating arm actuates the membrane switch and the plunger flexes the leaf spring to a point at which the spring snaps back to a rest position thereby providing a tactile feeling and, in certain cases, a click sound.

IPC 1-7
H01H 13/50; **H01H 13/70**

IPC 8 full level
H01H 13/50 (2006.01); **H01H 13/705** (2006.01)

CPC (source: EP)
H01H 13/50 (2013.01); **H01H 13/705** (2013.01); **H01H 2215/03** (2013.01); **H01H 2221/062** (2013.01); **H01H 2233/034** (2013.01); **H01H 2237/002** (2013.01)

Cited by
US9767970B2; WO2017026946A1; US10410808B2; US11380496B2; EP3335234A4; US2018240622A1; CN108475598A; AU2016306000B2

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DOCDB simple family (application)
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