

Title (en)

Keyswitch device, keyboard with the keyswitch device, and electronic apparatus with the keyboard

Title (de)

Tastschalter, Tastatur mit dem Tastschalter, und elektronisches Gerät mit der Tastatur

Title (fr)

Interrupteur à touche, clavier avec interrupteur à touche, appareil électrique avec clavier

Publication

EP 1361589 A2 20031112 (EN)

Application

EP 03018403 A 20020307

Priority

- EP 03018403 A 20020307
- EP 02005144 A 20020307

Abstract (en)

A key top is urged upward via a rubber elastic member stretched between a first link member and a second link member with ends of shaft members provided to both side portions of a shaft of the first link member and shaft members provided to both side portions of a shaft of the second link member supported in insertion holes in thick portions of each rubber elastic member in one embodiment. Alternative embodiments use a ring or rectangular type rubber elastic member that encloses a base position of the first and second link members. <IMAGE>

IPC 1-7

H01H 3/12

IPC 8 full level

H01H 3/12 (2006.01)

CPC (source: EP)

H01H 3/125 (2013.01); **H01H 2219/05** (2013.01); **H01H 2227/034** (2013.01)

Cited by

US10672570B2; EP3770937A4; TWI688979B; TWI764633B; EP3770937B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1361589 A2 20031112; **EP 1361589 A3 20040218**; **EP 1361589 B1 20050601**; AT E272248 T1 20040815; DE 60200830 D1 20040902; DE 60200830 T2 20050721; EP 1343182 A1 20030910; EP 1343182 B1 20040728

DOCDB simple family (application)

EP 03018403 A 20020307; AT 02005144 T 20020307; DE 60200830 T 20020307; EP 02005144 A 20020307