

Title (en)

A backlit key assembly having a reduced thickness

Title (de)

Schlüsselanordnung für eine tragbare elektronische Vorrichtung mit einer einteiligen Schlüsselkappe

Title (fr)

Ensemble de touche pour dispositif électronique portable doté d'un dessus de touche d'un seul tenant

Publication

EP 2323151 B1 20140409 (EN)

Application

EP 11156716 A 20090928

Priority

- EP 09171439 A 20090928
- EP 09153733 A 20090226
- EP 11156716 A 20090928

Abstract (en)

[origin: EP226822A1] A key assembly (102,402) for an electronic device (201) having a one-piece keycap (104,404) and an electronic device having such a keycap are provided. In accordance with one embodiment, there is provided a key assembly for use in an electronic device, comprising: a keycap having a plurality of rigid key portions (106,406) separated by mechanically deforming portions (108,408); and a flexible member (122,124,422,424) having opposed first and second sides, the first side having a plurality of key stems (122,422) which are attached to the plurality of key portions (106,406), the second side having a plurality of actuators (124,424) for actuating dome switches of the electronic device. In accordance with another embodiment, the key assembly further comprises LEDs (442) and transparent portions (460).

IPC 8 full level

H01H 13/83 (2006.01); **H01H 13/705** (2006.01)

CPC (source: EP)

H01H 13/704 (2013.01); **H01H 13/83** (2013.01); **H01H 13/85** (2013.01); **H01H 2001/5816** (2013.01); **H01H 2219/056** (2013.01); **H01H 2221/002** (2013.01); **H01H 2221/07** (2013.01); **H01H 2227/036** (2013.01); **H01H 2229/046** (2013.01); **H01H 2231/022** (2013.01); **H01H 2233/004** (2013.01)

Cited by

CN108346538A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2226822 A1 20100908; **EP 2226822 B1 20130724**; AT E515049 T1 20110715; CA 2674406 A1 20100826; CA 2674406 C 20130910; CA 2694574 A1 20100826; CA 2694574 C 20140715; EP 2226823 A1 20100908; EP 2226823 B1 20110629; EP 2323151 A1 20110518; EP 2323151 B1 20140409

DOCDB simple family (application)

EP 09153733 A 20090226; AT 09171439 T 20090928; CA 2674406 A 20090731; CA 2694574 A 20100223; EP 09171439 A 20090928; EP 11156716 A 20090928