

Title (en)

A key assembly for a handheld electronic device having a one-piece keycap

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 2226822 B1 20130724 (EN)

Application

EP 09153733 A 20090226

Priority

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Abstract (en)

[origin: EP2226822A1] 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

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CPC (source: EP)

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Citation (examination)

- US 2008094373 A1 20080424 - SONG SUNG-HOON [KR]
- EP 1918953 A1 20080507 - NEC CORP [JP]

Cited by

WO2012168326A1; WO2013043657A1; US9031276B2; US10196750B2

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