

Title (en)

Dome overlay assembly for a keyboard and method of constructing a dome overlay structure for a mobile device keyboard

Title (de)

Tastaturkuppelüberlagerungsmontage und Bauweise einer Mobilgerätstastaturkuppelüberlagerungsstruktur

Title (fr)

Assemblage de revêtement de dôme pour un clavier et méthode de fabrication d'une structure de revêtement de dôme pour un clavier d'appareil mobile

Publication

**EP 2355118 B1 20130710 (EN)**

Application

**EP 10152186 A 20100129**

Priority

EP 10152186 A 20100129

Abstract (en)

[origin: EP2355118A1] A dome overlay structure (1000,2000,3000) for a mobile device keyboard (810) includes a plurality of dome switches (100), a circuit board (105) disposed beneath the plurality of dome switches with each dome switch electrically coupled to the circuit board, a main overlay (110) disposed over the plurality of dome switches, and a first adhesive dab (115) centrally interposed between the dome switch and the main overlay with a second adhesive dab (125) surrounding the first adhesive dab. Each dome switch has a central portion (310) and a non-central portion (315). The first adhesive dab can bond the central portion of the dome switch to the main overlay. The second adhesive dab is configured to form a gap (325) between the second adhesive dab and the non-central portion of the dome switch in an unactuated configuration and configured to contact the non-central portion of the dome switch in an actuated configuration.

IPC 8 full level

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CPC (source: EP)

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