

LIGHT EMITTING DIODE PACKAGES AND THEIR USES

Abstract

[0058] The present invention describes LED packages in the form of a button (100, 100a, 100b, 100c, 100d, 100e), ring (200, 200a, 200b, 200c, 200d), quad-wing (300) or surface mount (400) configurations. These LED packages (100, 200, 300, 400, etc) have contact elements (121, 125, 221, 225, etc) that define two substantially parallel spaced apart planes. In use, these LED packages (100, 200, etc) are disposed between two spaced apart panels (510, 510a, etc). Each inside surface of the panels assembly has a conductive layer (520), each being in electrical contact with an associated contact element (121, 125, 221, 225, etc) of each LED package (100, 200, etc). A DC power supply is operable to deliver power to the LED package (100, 200, etc) through the conductive layers (520).

[0059] FIG. 6A for publication.