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[Continued on next page]

(54) Title: LOW PROFILE FLEXIBLE CABLE LIGHTING ASSEMBLIES AND METHODS OF MAKING SAME

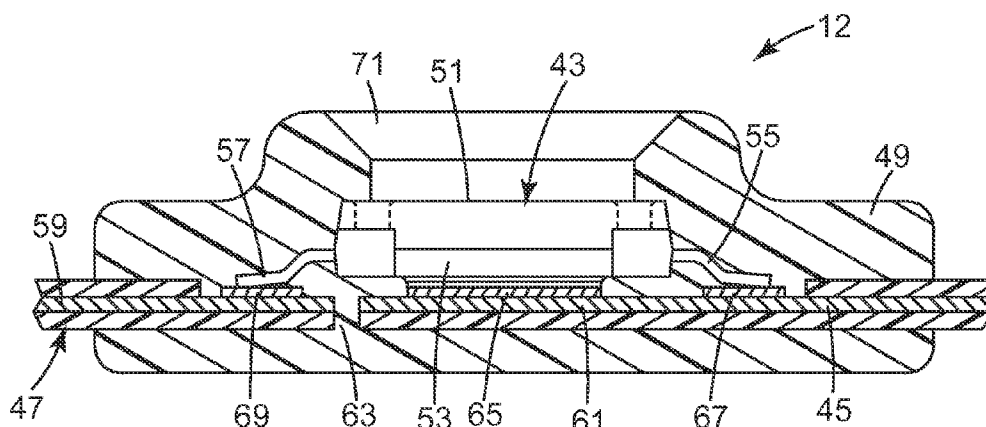


Fig. 4

(57) Abstract: A cable lighting assembly (10) comprising a flexible electrical cable (14,47) and an LED (43). The electrical insulation of the electrical cable has a portion that is removed to expose at least one surface mounting area on the surface of an electrical conductor (45) of the flexible electrical cable (47). Two lengths of the electrical conductor (59,61) are electrically isolated so as to form at least two electrically isolated surface mounting areas that are electrically isolated from each other. The LED (43) is surface mounted to the electrical conductor (45). A solder joint (67) is formed between the anode lead (55) of the light emitting diode and one of the electrically isolated surface mounting areas (61). Another solder joint (69) is formed between the cathode lead (57) of the light emitting diode and the other electrically isolated surface mounting area (59). The LED (43) and at least a length of the flexible electrical cable (47) on which the LED is surface mounted are encapsulated by a polymeric molding material (49).

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