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(54) **ELECTRICAL LEADFRAMES, SURFACE MOUNTABLE SEMICONDUCTOR COMPONENTS, LEADFRAME STRIPS, AND THEIR METHOD OF MANUFACTURE**

(52) **U.S. Cl.** 438/123

(57) **ABSTRACT**

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The invention relates to a method for producing an electrical leadframe (10), in particular for a light-emitting diode component, having at least one first electrical connection conductor (2) and at least one second electrical connection conductor (3). The method includes a) production of a layer composite comprising an electrically insulating carrier layer (101) and an electrically conductive connection conductor layer (102), b) patterning of the carrier layer (101) in such a way that at least one contact-making window (7) toward the connection conductor layer (102) is produced in said carrier layer, and c) patterning of the connection conductor layer (102), in such a way that the first electrical connection conductor (2) and the second electrical connection conductor (3) are produced, at least one of which can be electrically connected through the contact-making window (7). The invention also relates to a leadframe strip having a connection conductor layer and a connection carrier layer, on which an array with a multiplicity of component regions is formed, the connection conductor layer being at least partly removed along separating lines between two adjacent component regions.

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.⁷** **H01L 21/44**

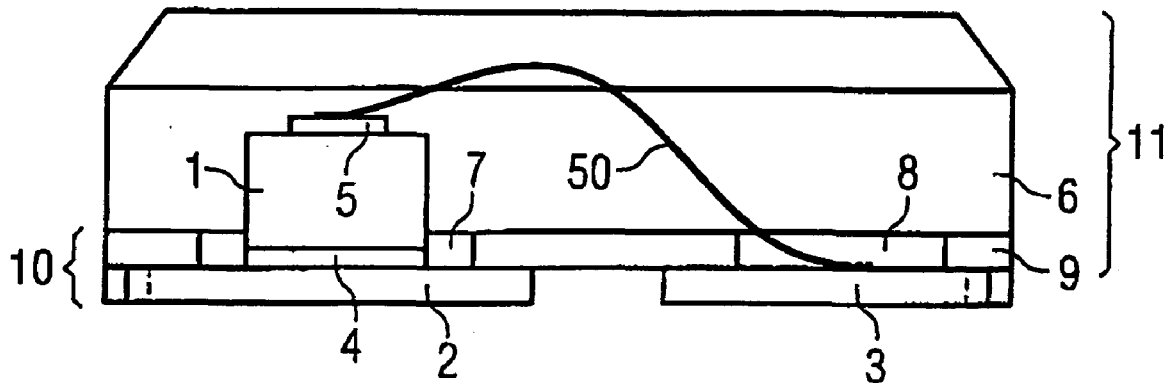


FIG 1

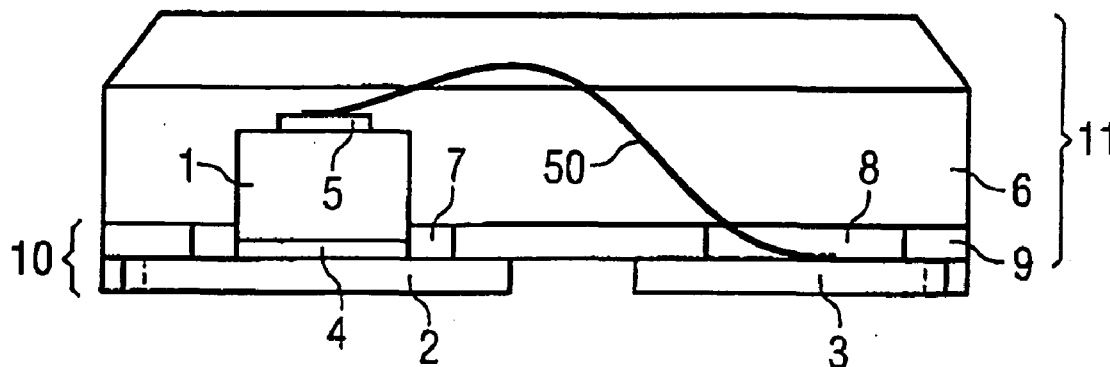


FIG 2

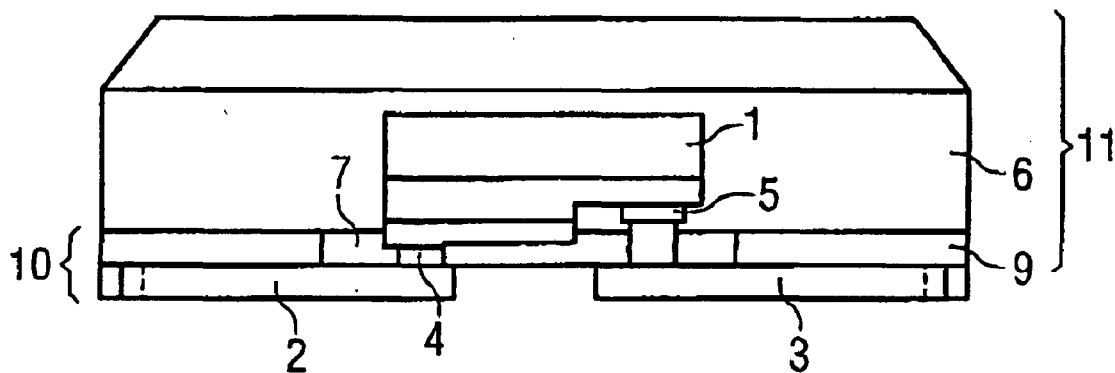


FIG 3A

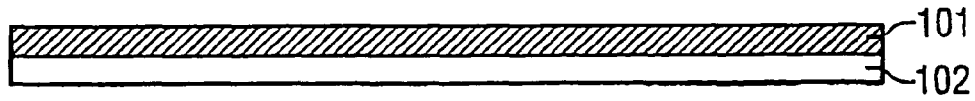


FIG 3B

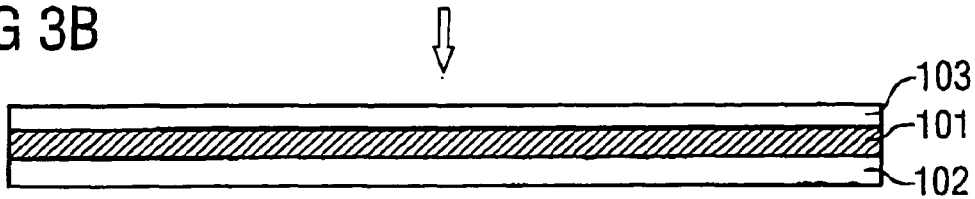


FIG 3C

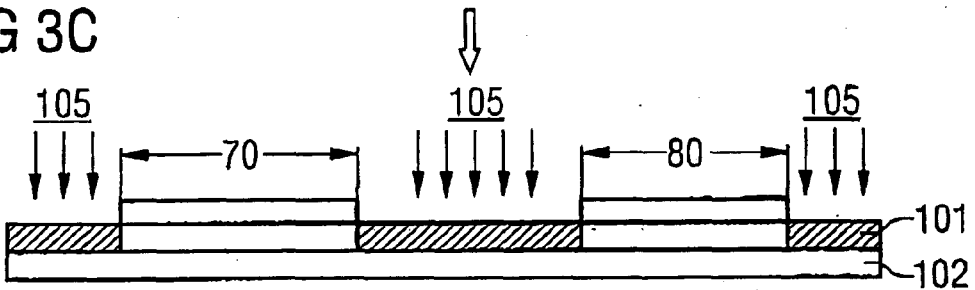


FIG 3D

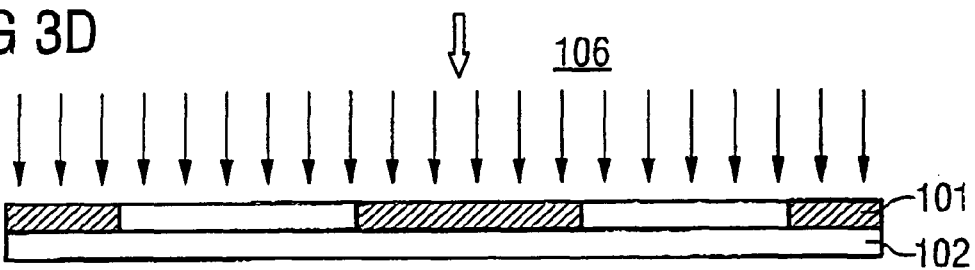


FIG 3E

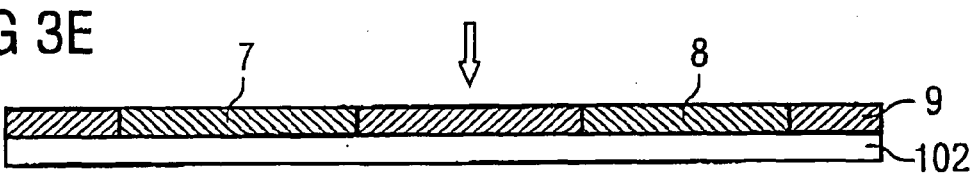


FIG 3F

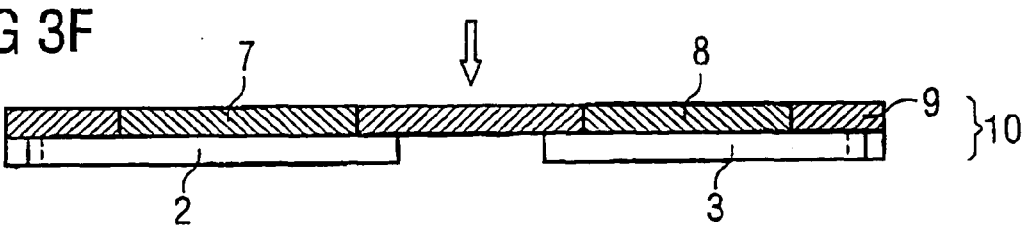


FIG. 4A



FIG. 4B

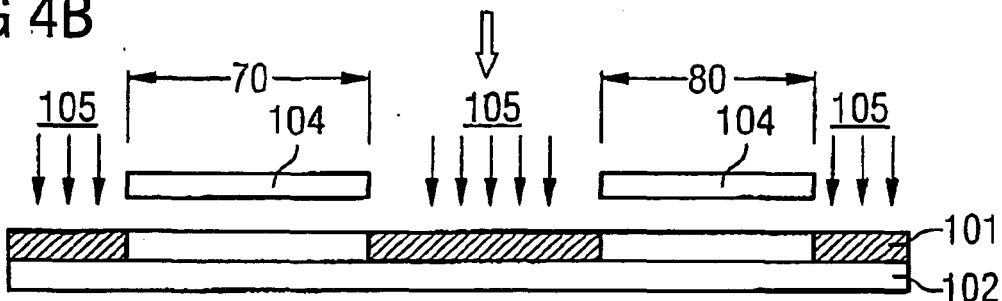


FIG. 4C

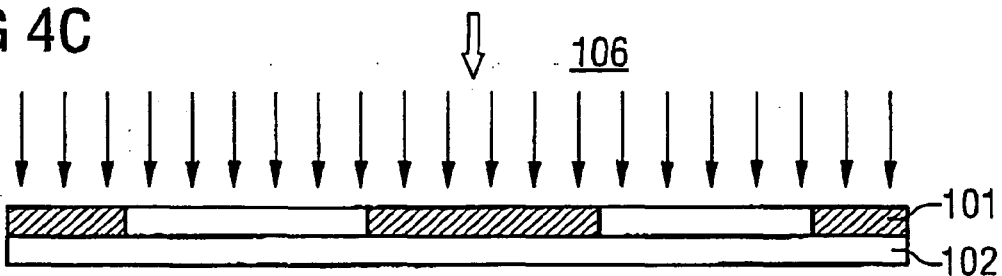


FIG. 4D

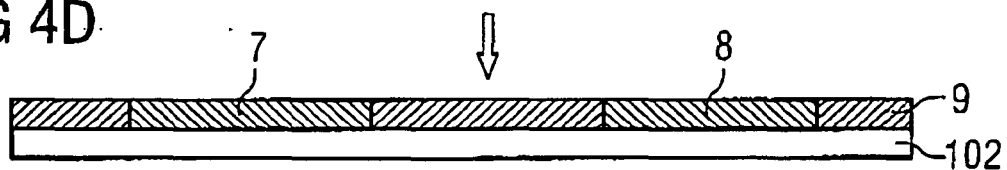


FIG. 4E

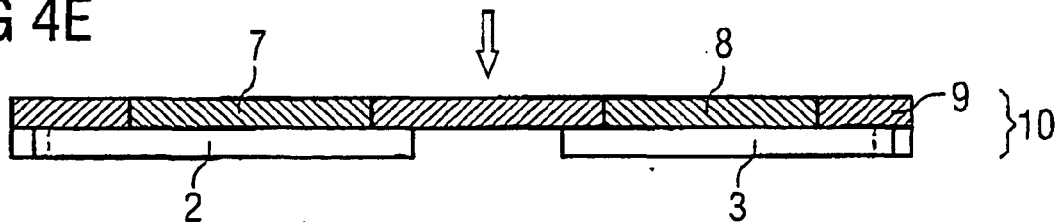


FIG 5A

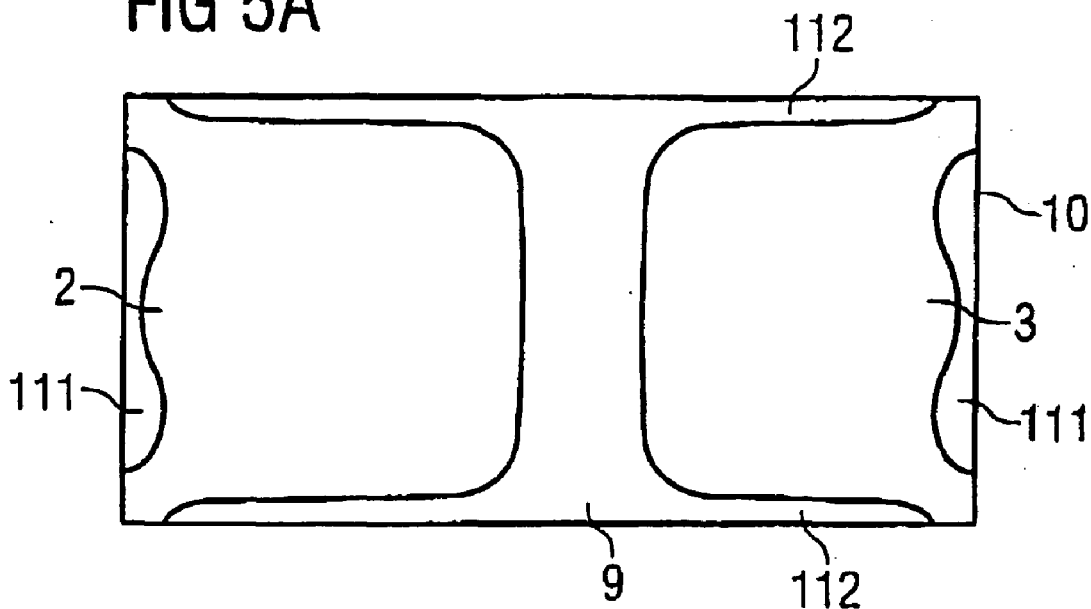
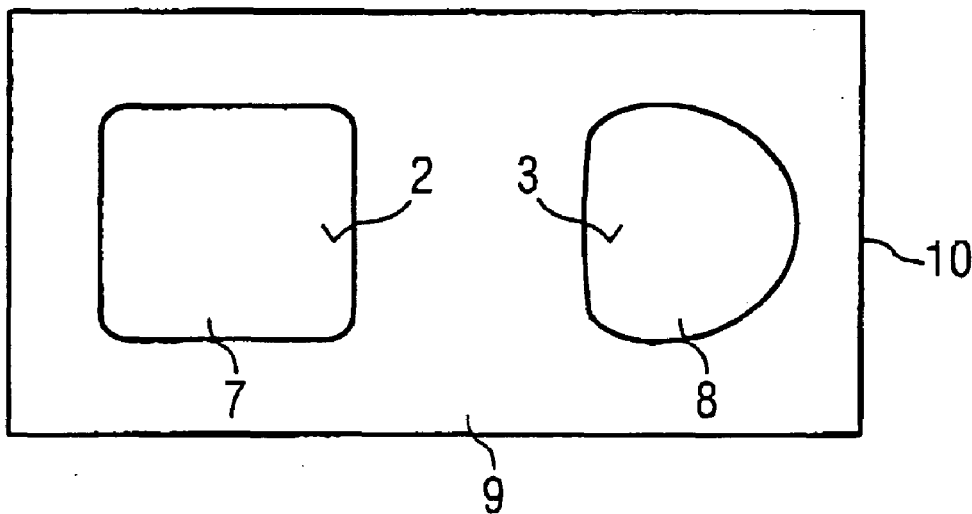


FIG 5B



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