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**Wang et al.**

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(54) **METHOD OF MANUFACTURING HIGH POWER LIGHT-EMITTING DEVICE PACKAGE AND STRUCTURE THEREOF**

(52) **U.S. Cl. .... 257/99; 438/26; 438/28; 257/100**

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(57) **ABSTRACT**

A method of manufacturing high power light-emitting device packages and structure thereof, wherein the method thereof includes the steps of: (a) forming a plurality of lead frames, each of the lead frames includes a heat-dissipating element and a plurality of leads; (b) electroplating an outer surface of the lead frames each; (c) coating conductive gel on a surface of the heat-dissipating element each; (d) arranging at least one light-emitting chip on the conductive gel; (e) forming an encapsulant on each of the lead frames; (f) connecting at least one top electrode of the light-emitting chip with one of the leads; (g) coating silicon gel for covering the at one light-emitting chip, and forming integrally a focusing light convex surface on a top surface of the silicon gel; and (h) cutting off the tie-bars to separate the lead frames from one another, whereby forming a plurality of high power light-emitting device packages.

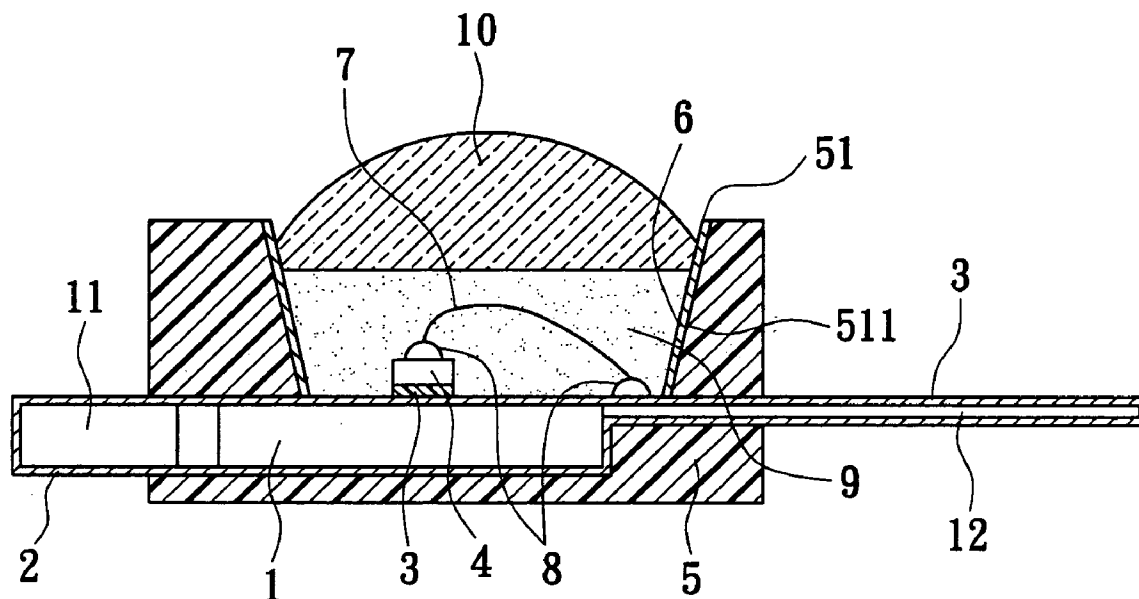
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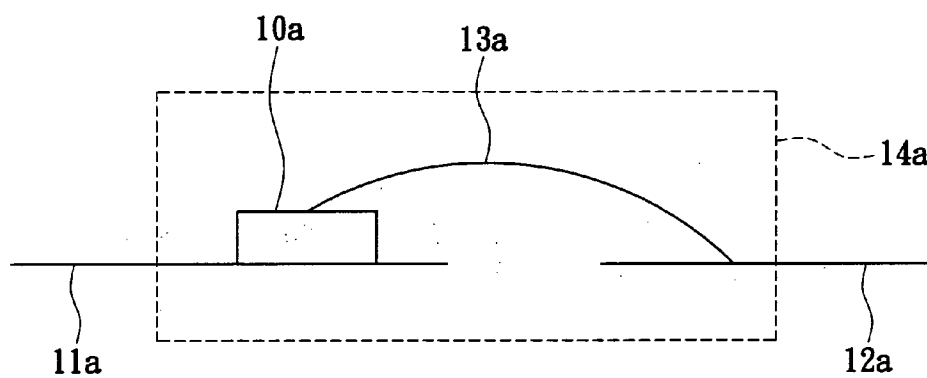


FIG. 1  
PRIOR ART

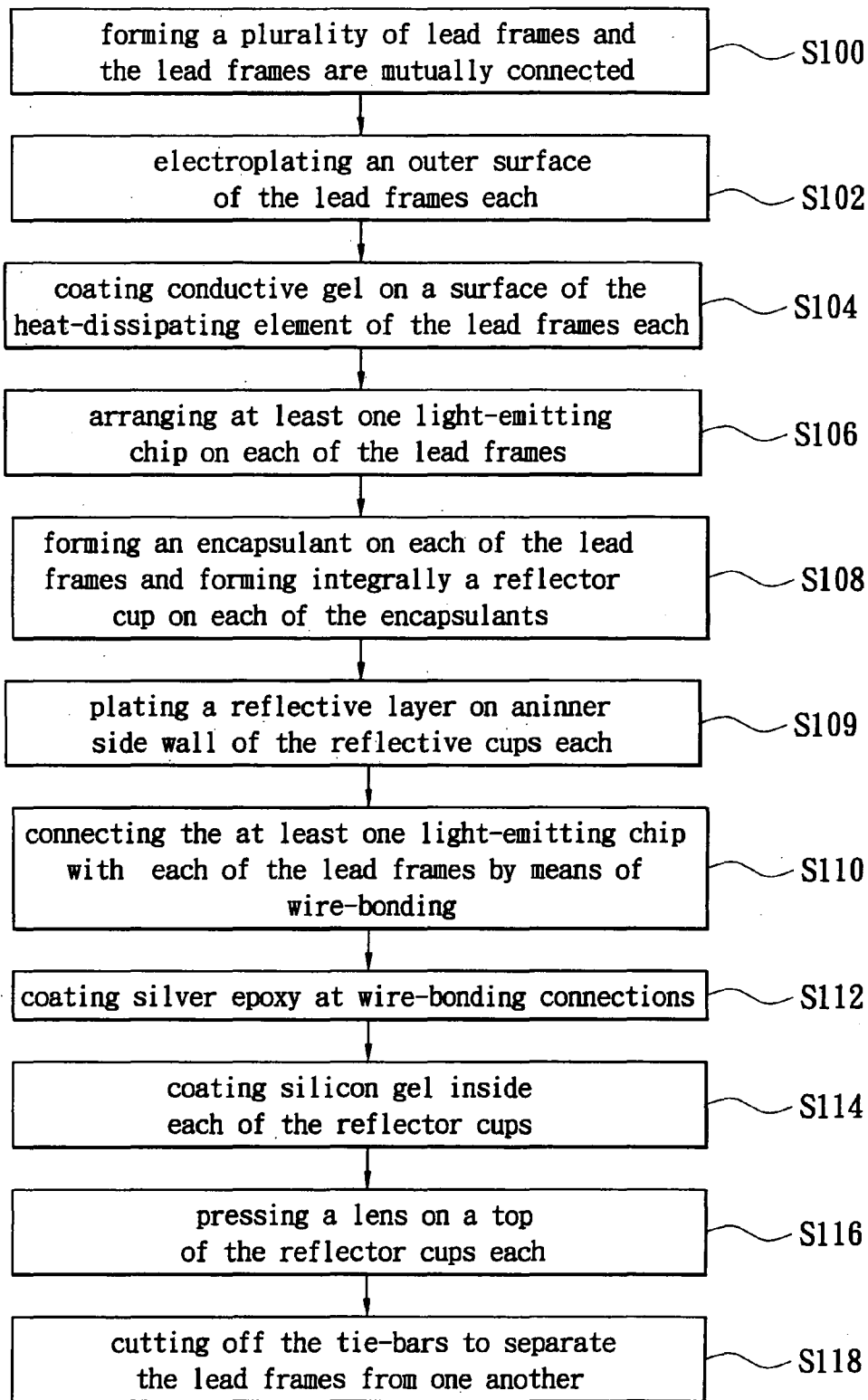


FIG. 2

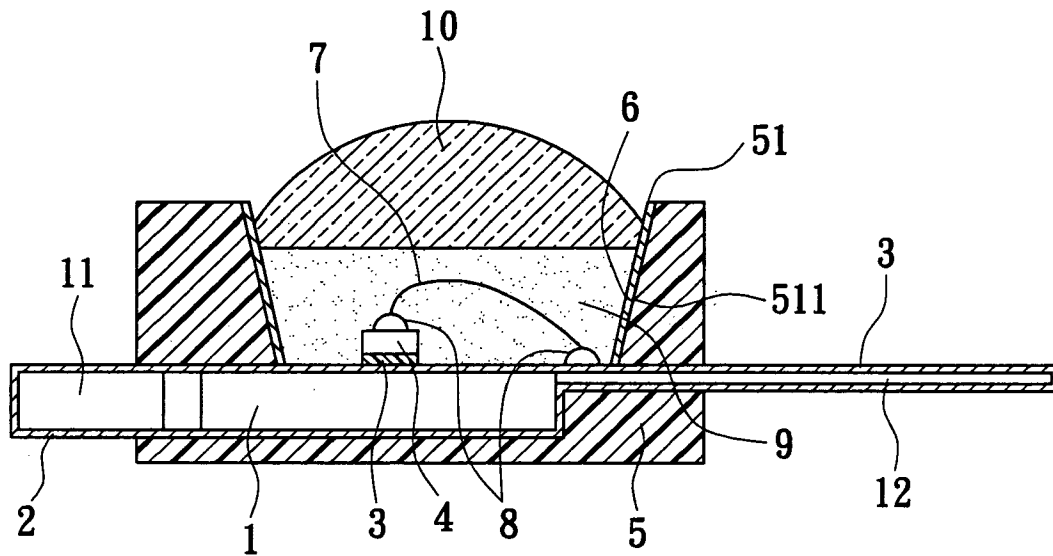


FIG. 3

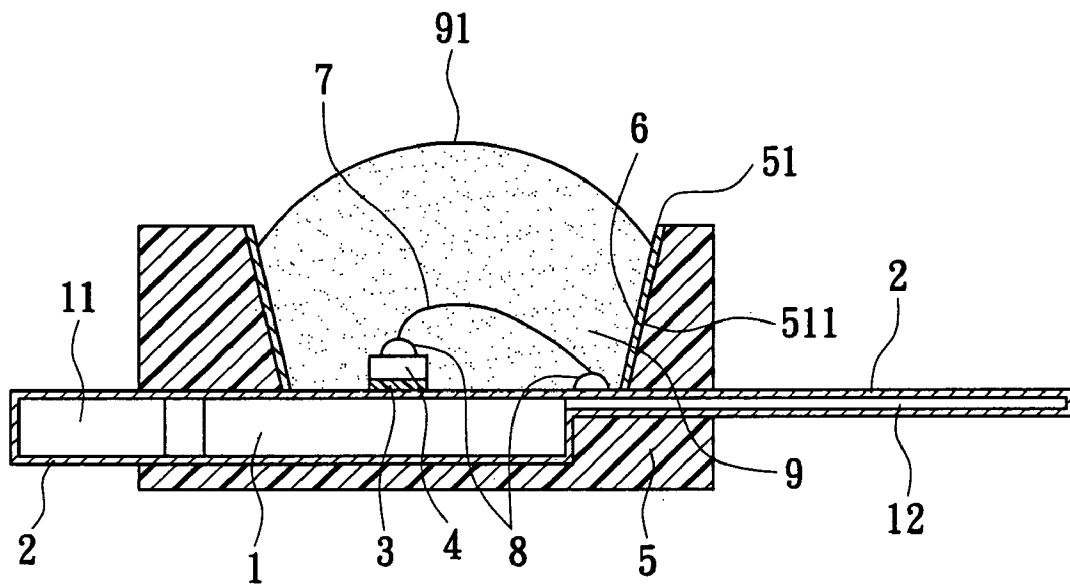


FIG. 4

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