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(54) **LIGHT EMITTING ELEMENT MOUNTING MEMBER, AND SEMICONDUCTOR DEVICE USING THE SAME**

Publication Classification

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H01L 33/00 (2006.01)
(52) **U.S. Cl.** **362/623; 313/498; 257/79; 257/98**

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(57) **ABSTRACT**
The object of the present invention is to provide a light-emitting element mounting member and a semiconductor device using the same that is easy to process and that allows adequate heat dissipation.

(73) Assignee: **Sumitomo Electric Industries, Ltd.**, Osaka (JP)

A light-emitting element mounting member 200 includes: a substrate 2 including an element mounting surface 2a mounting a semiconductor light-emitting element 1 and first and second conductive regions 21, 22 disposed on the element mounting surface 2a and connected to the semiconductor light-emitting element 1; a reflective member 6 including a reflective surface 6a defining an internal space 6b for housing the semiconductor light-emitting element 1 and containing a metal disposed on the element mounting surface 1a; and a metal layer 13 disposed on the reflective surface 6a. The reflective surface 6a is sloped relative to the element mounting surface 2a so that a diameter of the internal space 6b is greater away from the element mounting surface 2a.

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(30) **Foreign Application Priority Data**

Mar. 18, 2003 (JP) 2003-074036

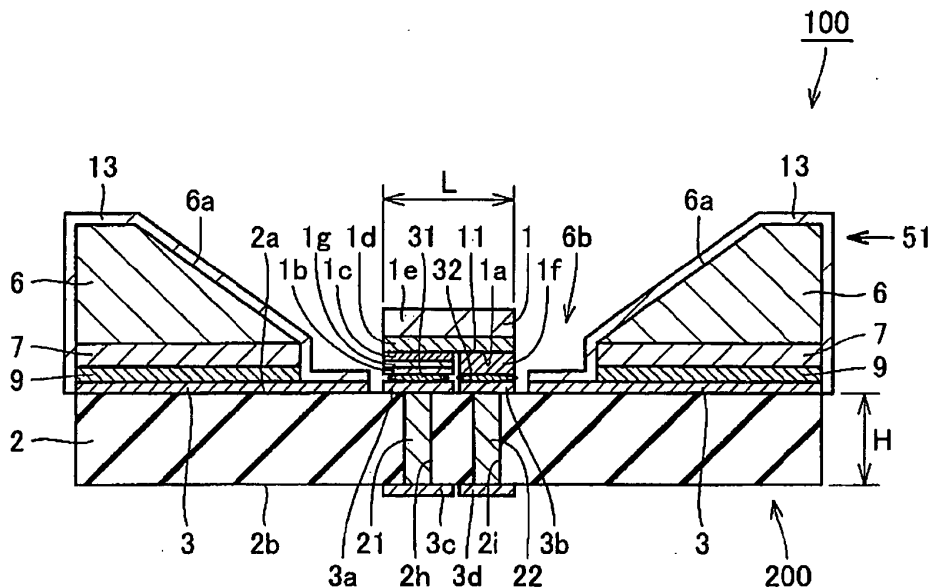


FIG. 1A

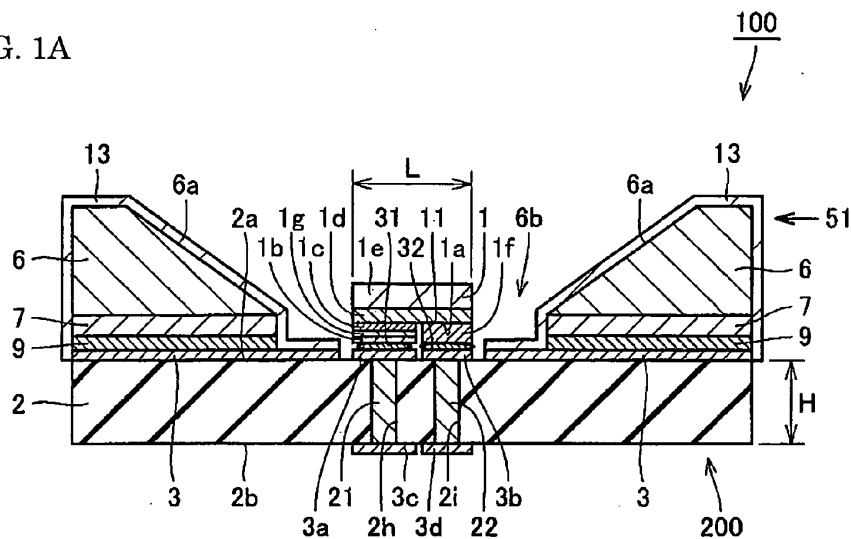


FIG. 1B

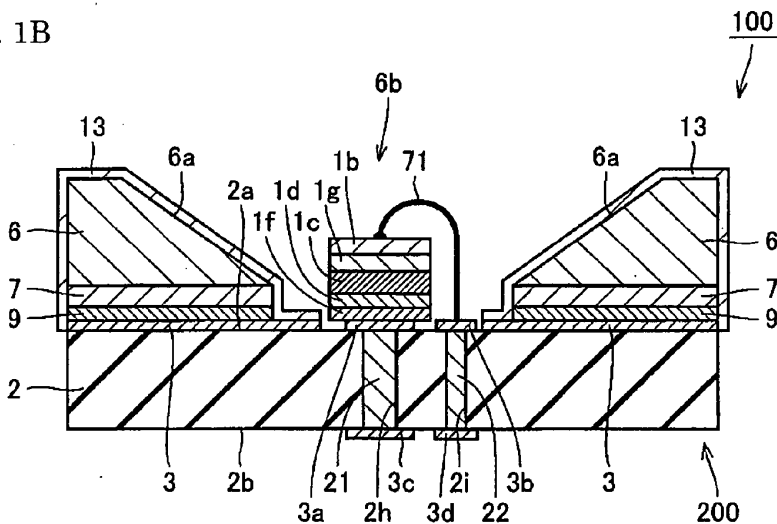


FIG. 2

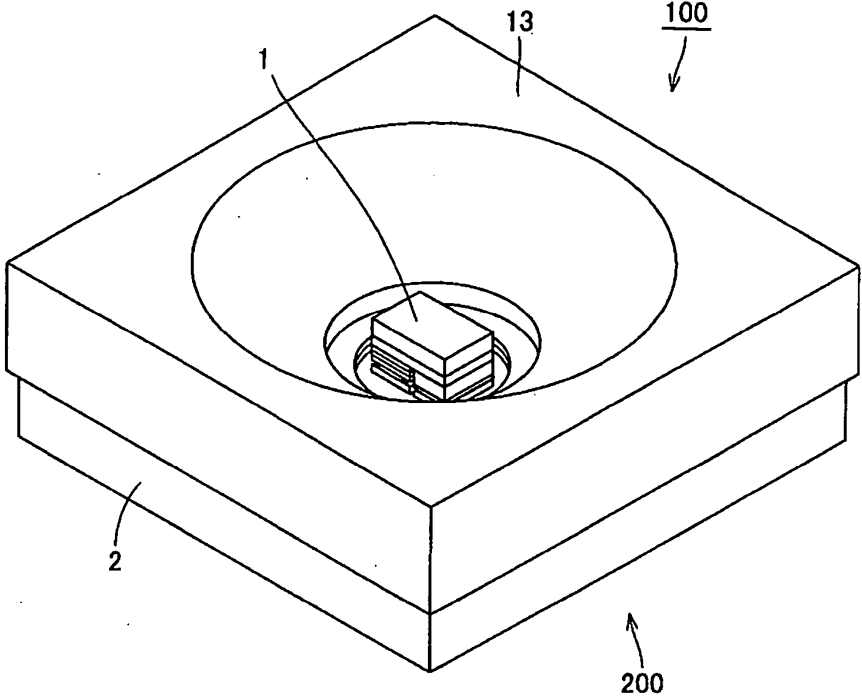


FIG. 3A

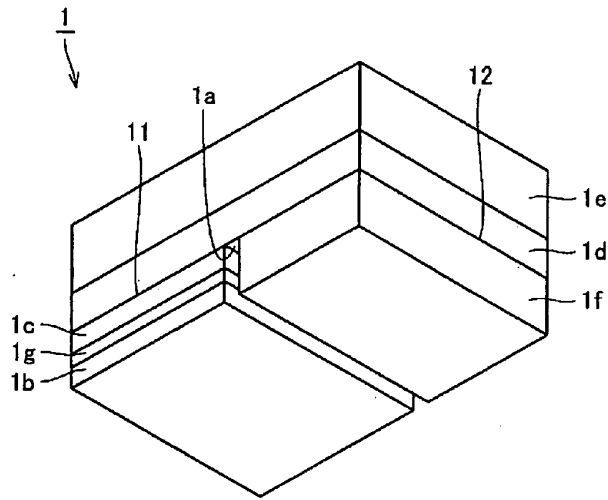


FIG. 3B1

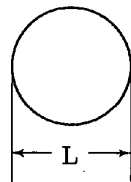


FIG. 3B2

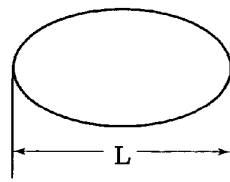


FIG. 3B3

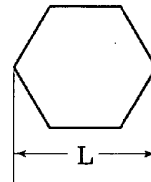


FIG. 3B4

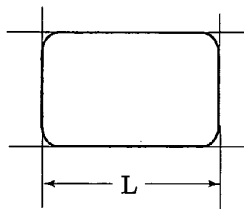


FIG. 3B5

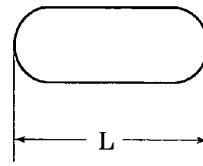


FIG. 4

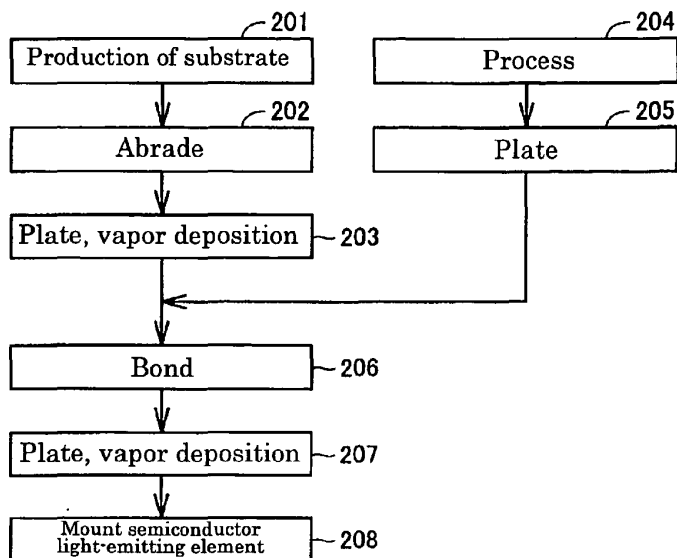


FIG. 5

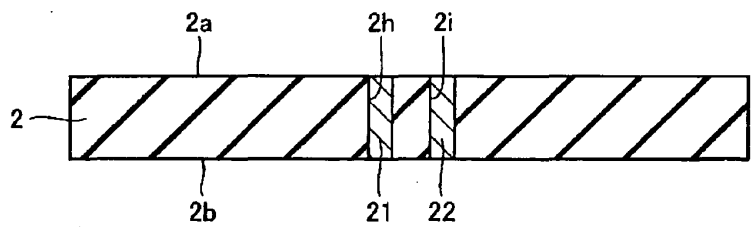
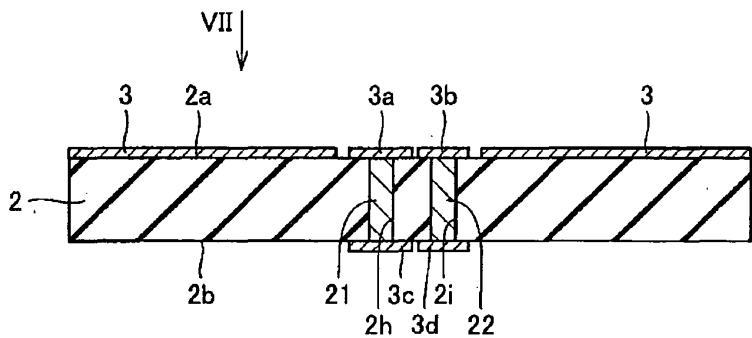


FIG. 6



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