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(54) **LIGHT EMITTING DIODE DEVICE**

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Jul. 25, 2001 (JP) ..... 2001-225211

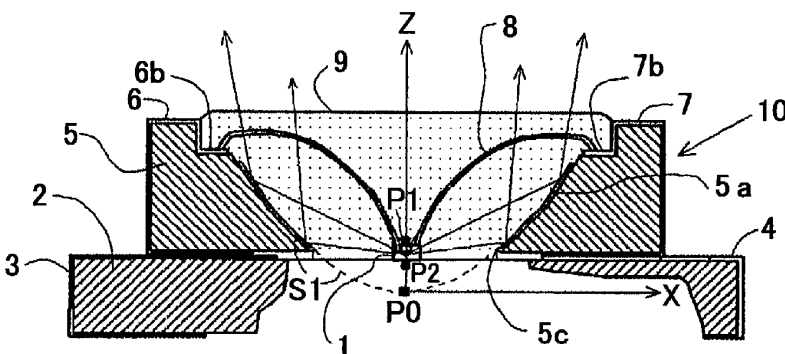
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(57) **ABSTRACT**

A light emitting diode device has a reflector member having an approximately semispherical recess. A reflector surface is provided on an inner surface of the recess and a light emitting diode is provided in the recess. The light emitting diode is located at a position so that a part of light beams emitted from the light emitting diode recedes from an optical axis, and another part of the light beams approaches to the optical axis.

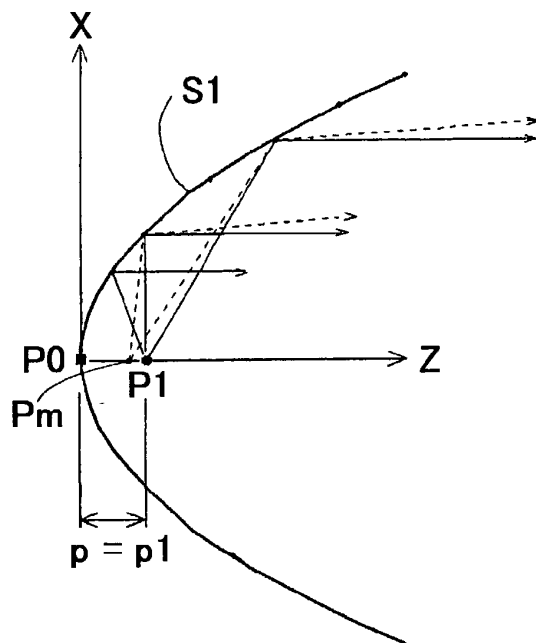


(73) Assignee: **Citizen Electronics Co., Ltd.**

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# FIG. 1



# FIG. 2

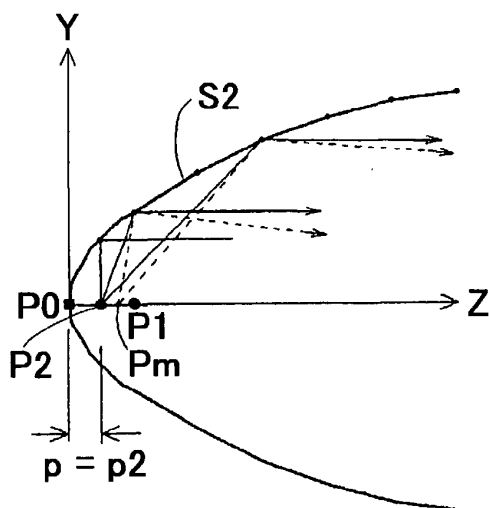


FIG. 3

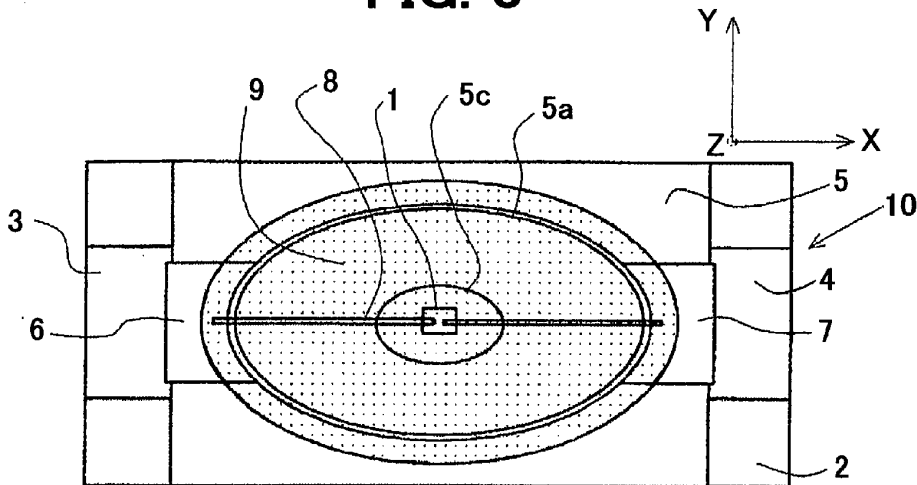
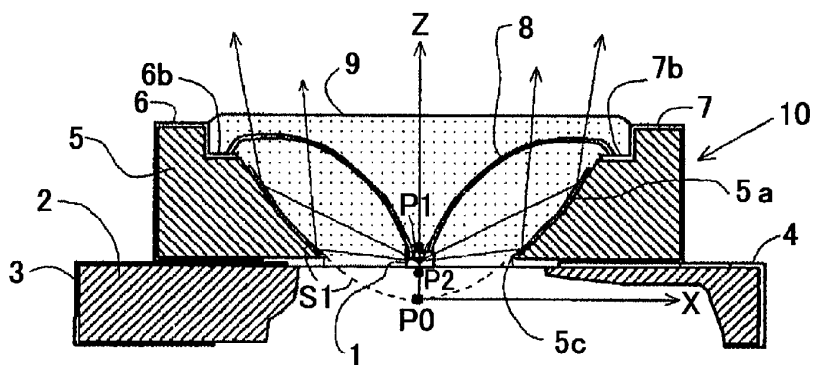
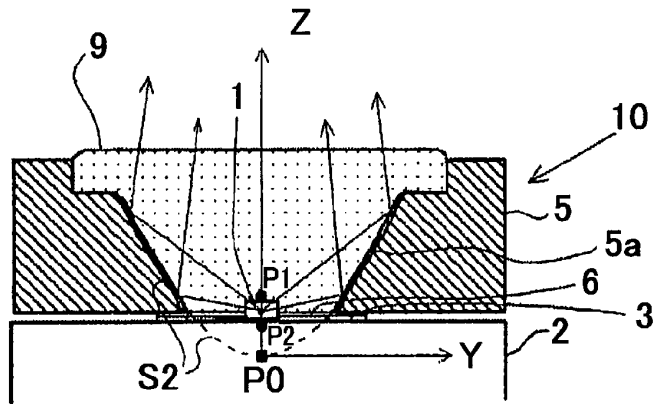


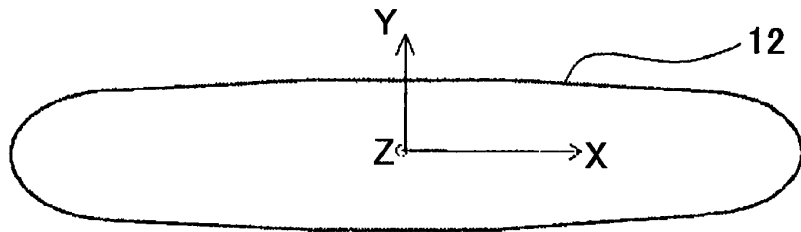
FIG. 4



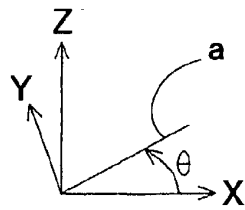
### FIG. 5



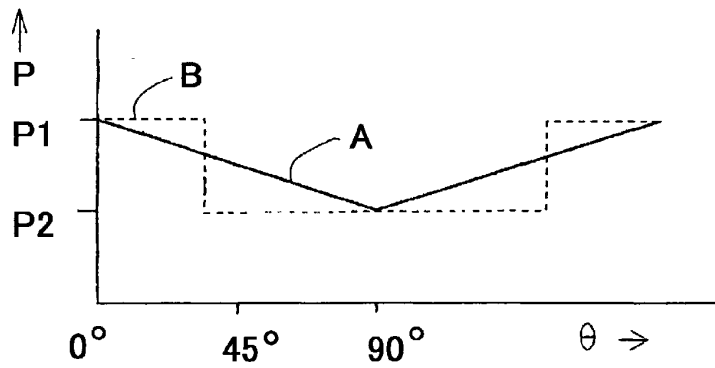
### FIG. 6



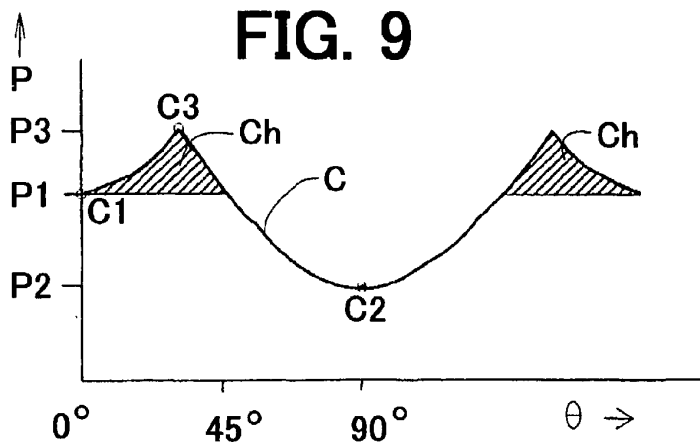
### FIG. 7



### FIG. 8



### FIG. 9



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