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United States Patent [19]

Broom

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[54] **METHOD FOR ENCAPSULATING LIGHT EMITTING DIODES**

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Related U.S. Application Data

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[51] **Int. Cl.**[6] **H01L 21/60**

[52] **U.S. Cl.** **437/211**; 437/209; 437/129; 437/217

[58] **Field of Search** 437/209, 211, 437/212, 214, 215, 217, 218, 219, 220, 23, 127, 128, 129, 904, 905

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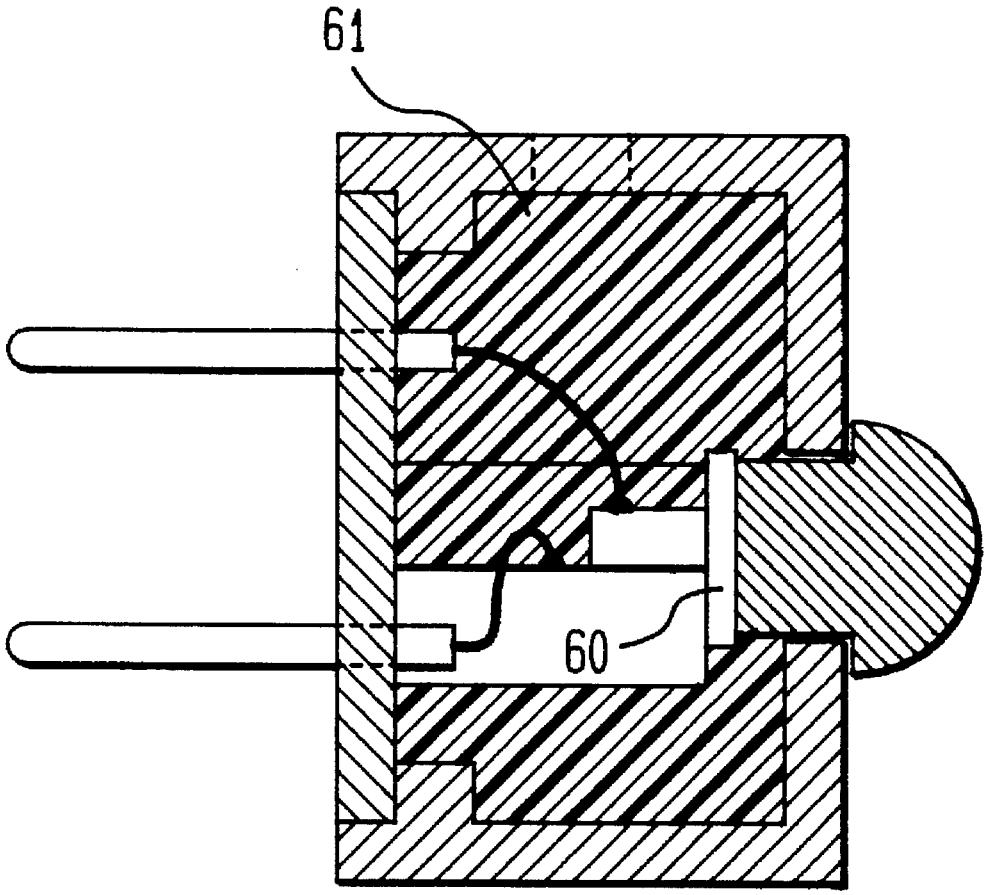
[57] **ABSTRACT**

A method of encapsulating semiconductor light emitting diodes, in particular laser diodes, characterized in that a gap is formed in an encapsulant, which is positioned in front of the light emitting facet of the diode, the gap preventing the encapsulant from adhering to the light emitting facet.

16 Claims, 4 Drawing Sheets