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(54) **LIGHT EMITTING DEVICE WITH BLUE LIGHT LED AND PHOSPHOR COMPONENTS**

(58) **Field of Classification Search** 313/498-512;
428/690; 257/103
See application file for complete search history.

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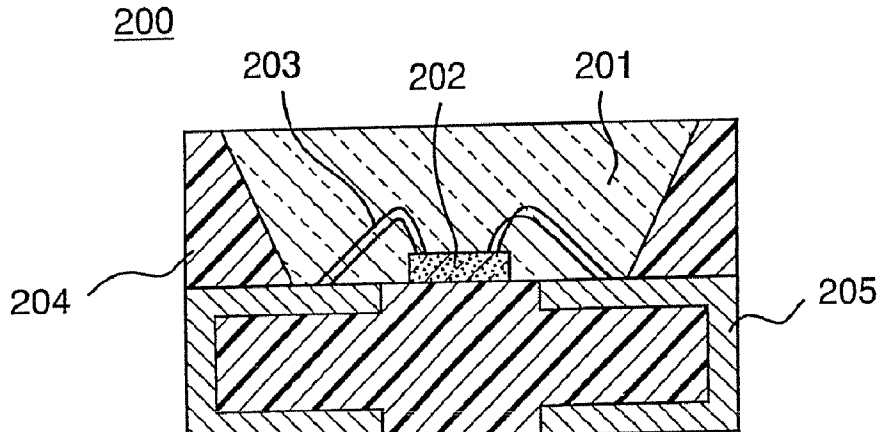
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(57) **ABSTRACT**
A light emitting device includes a light emitting component; and a phosphor capable of absorbing a part of light emitted by the light emitting component and emitting light of a wavelength different from that of the absorbed light. A straight line connecting a point of chromaticity corresponding to a peak of the spectrum generated by the light emitting component and a point of chromaticity corresponding to a peak of the spectrum generated by the phosphor is disposed along with the black body radiation locus in the chromaticity diagram.

(51) **Int. Cl.**
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23 Claims, 19 Drawing Sheets



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Fig. 1

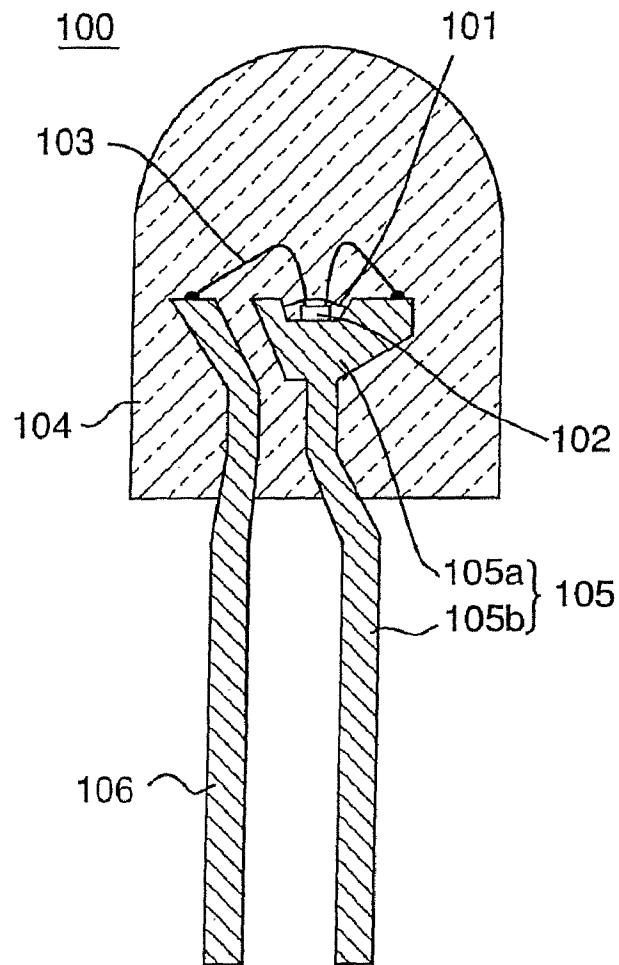


Fig. 2

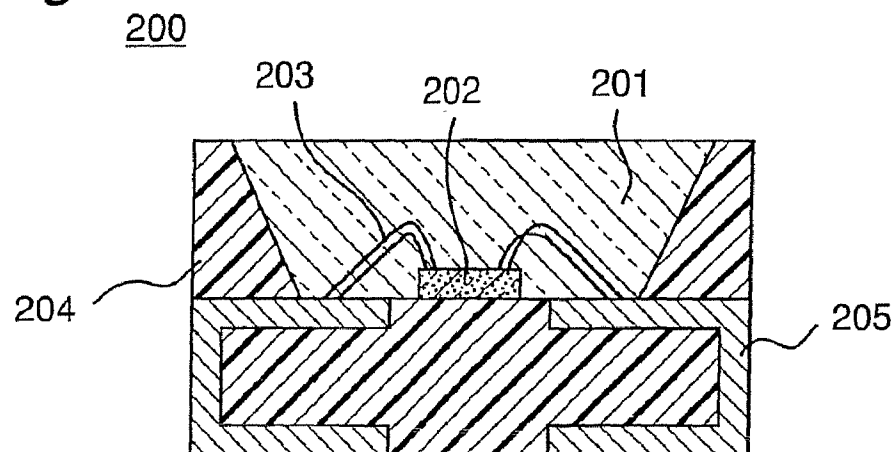


Fig.3A

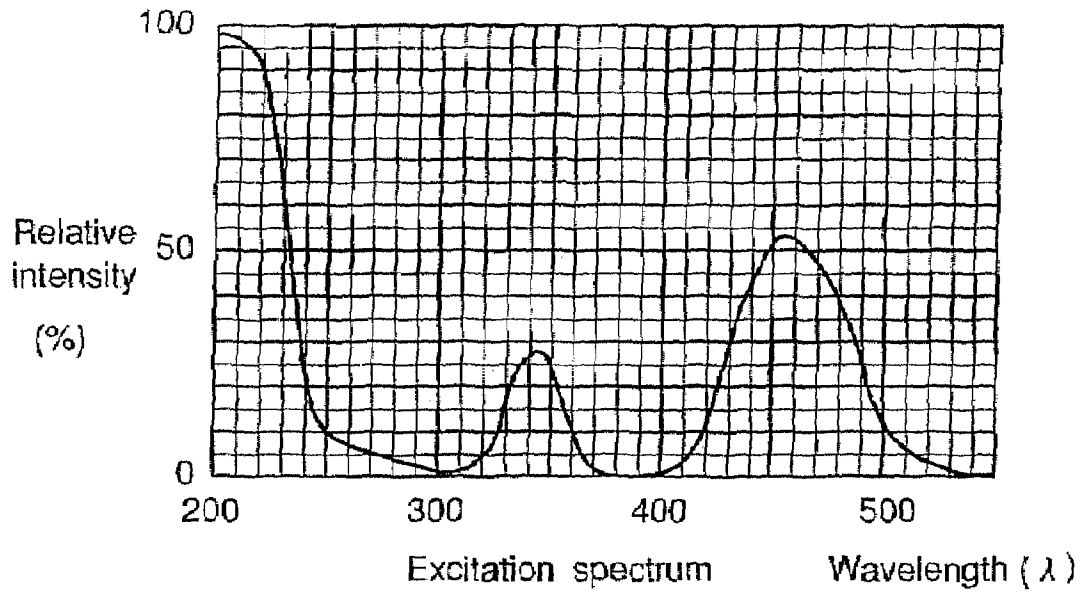
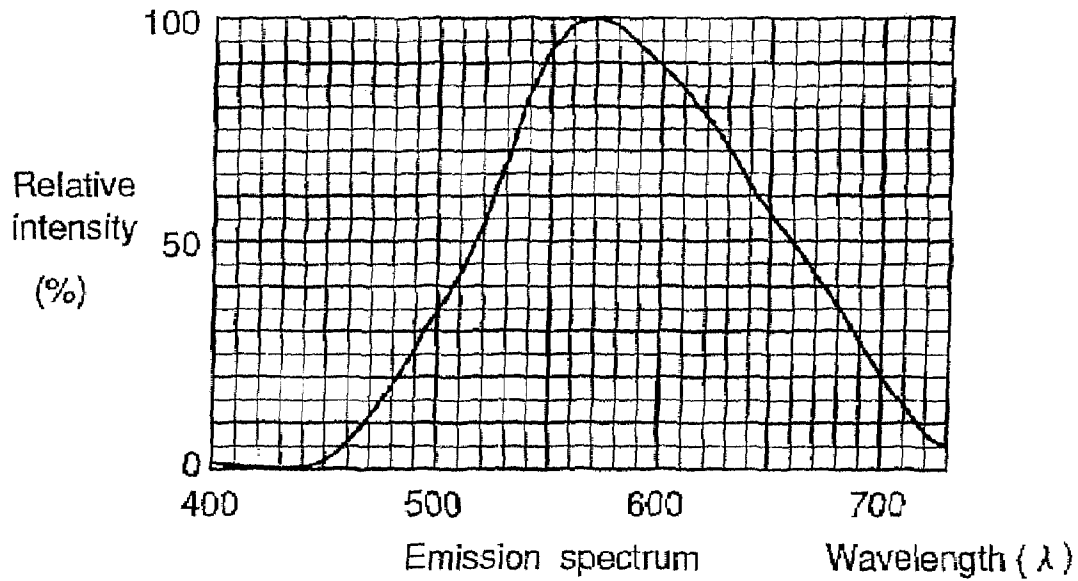


Fig.3B



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