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[54] **LIGHT EMITTING DEVICE WITH STACK OF OLEDS AND PHOSPHOR DOWNCONVERTER**

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[52] **U.S. Cl.** **313/506**; 313/501; 313/503; 313/504

[58] **Field of Search** 313/501, 503, 313/504, 506, 509, 512, 112

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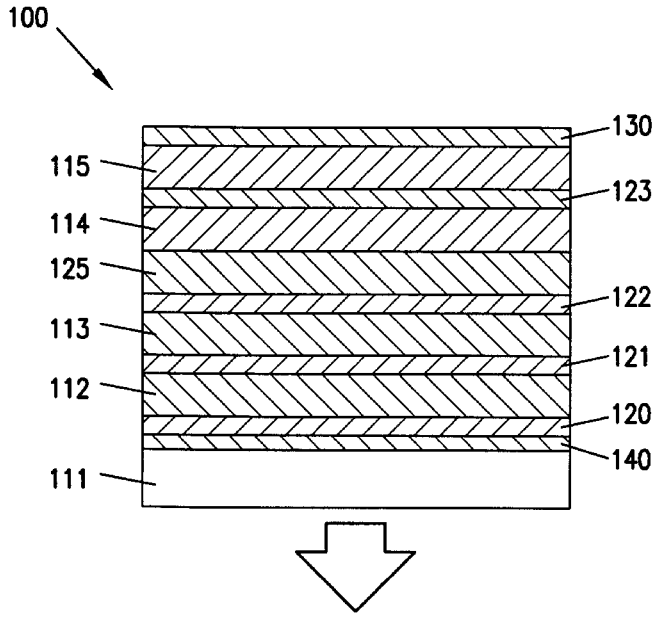
[57] **ABSTRACT**

Monochromatic and multicolor light emitting devices which make use of phosphor layers to downconvert light emitted from organic light emitting materials into different, more desired colors. The light emitting devices of the present invention are used in a variety of applications to provide displays with high brightnesses and efficiencies.

41 Claims, 5 Drawing Sheets