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(54) **BACKLIGHT SYSTEM**

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(58) **Field of Classification Search**
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See application file for complete search history.

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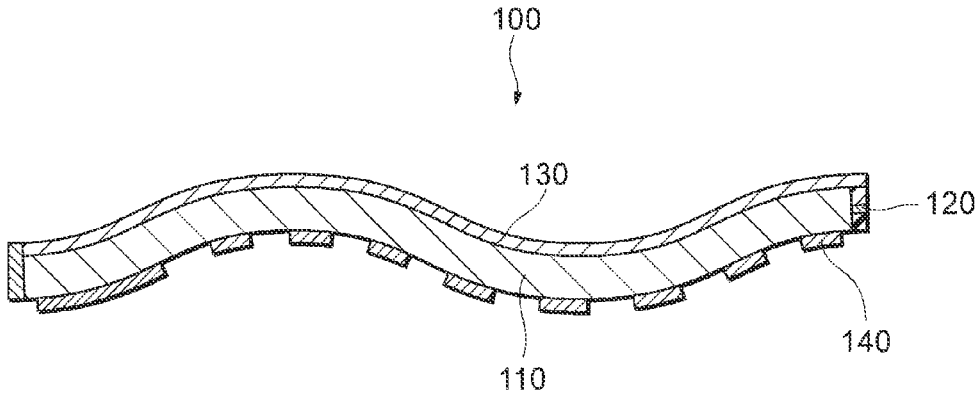
(57) **ABSTRACT**

Backlight systems including a core layer, configured to be flexible, and at least one light source are described. The core layer contains at least one light-excited fluorophore. The light source is arranged on an edge of one side of the core layer. Further, the light source is configured to emit first light into the core layer through the edge of the one side of the core layer. The core layer is configured to transmit the first light therein and to emit second light caused by the light-excited fluorophores irradiated by the first light from a first surface of the core layer.

22 Claims, 3 Drawing Sheets