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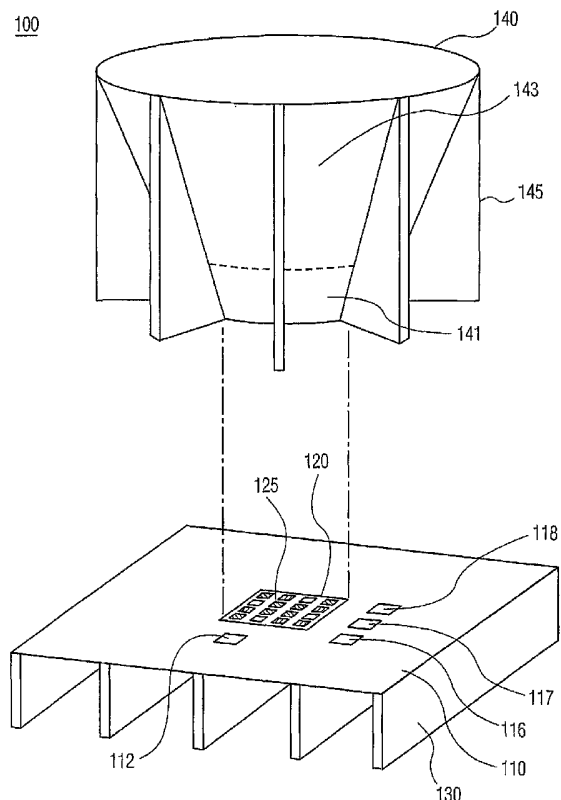
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(54) Title: LIGHT-EMITTING DIODE SYSTEM



(57) Abstract: An integrated LED light system (100) including a printed circuit board (110, 410) and a submount (120, 420) mounted on the printed circuit board (110, 410). System (100) further includes an array of LEDs (125, 425) in electrical communication with the submount (120, 420) to receive forward currents. The array of LEDs (125, 425) includes one or more LEDs for emitting one or more colors of light in response to a reception of the forward currents from the submount (120, 420). System (100) additionally includes a heatsink (130, 430) supporting the printed circuit board (110, 410) to conduct and dissipate heat away from the printed circuit board (110, 410), the submount (120, 420), and the LED(s) (125, 425). System (100) further includes a reflector cup (140, 440) mounted on the printed circuit board (110, 410) and in optical communication with the LED(s) (125, 425) to focus the at least one color of light.



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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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