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(12) **United States Patent**
Yu

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(54) **SYSTEM TO ALLOCATE LUMINANCE**
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CPC ... **G02B 5/02** (2013.01); **F21V 5/04** (2013.01);
F21V 5/08 (2013.01); **G02B 5/0257** (2013.01)

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(57) **ABSTRACT**
A device comprising a light source such as an LED or fluorescent lamp, having disposed near the light source a panel or lens effectuated with a diffusion pattern for modifying the light emitted from the light source. The diffusion pattern may include an optical gradient wherein light emitted from the light source is substantially blocked at one end of the gradient and substantially passed at the other end of the gradient. In some embodiments the panel or lens is transparent or clear. Other embodiments include a diffusion pattern having a dot matrix pattern or an array of substantially circular opaque areas, which may be disposed near and edge of the panel or lens.

11 Claims, 3 Drawing Sheets

