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(54) **OLED DEVICE HAVING IMPROVED LIGHT OUTPUT**

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(57) **ABSTRACT**

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A top-emitting organic light-emitting diode (OLED) device, comprising: a substrate; an OLED comprising a reflective electrode formed on the substrate; one-or-more layers of organic light-emitting material formed over the reflective electrode; and a transparent electrode formed over the one-or-more layers of organic light-emitting material; a light-scattering layer having a rough surface formed over and in contact with the OLED, a cover affixed to the substrate forming a gap between the cover and the light scattering layer; and wherein the gap is a vacuum or the gap is filled with a relatively low-refractive index gas and the light-scattering layer comprises a plurality of relatively high-refractive index light-scattering transparent particles projecting into the gap without contacting the cover and further comprising an adhesive binder in contact with at least some of the light-scattering particles to adhere the light-scattering particles to the OLED.

(73) Assignee: **Eastman Kodak Company**

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