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(71) Applicant (for all designated States except US): **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, New York 14831 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **COUILLARD, James, G** [US/US]; 266 Westwood Knoll, Ithaca, New York 14850 (US).

(74) Agent: **ABLE, Kevin, M**; Corning Incorporated, Patent Department, SP-TI-3-1, Corning, New York 14831 (US).

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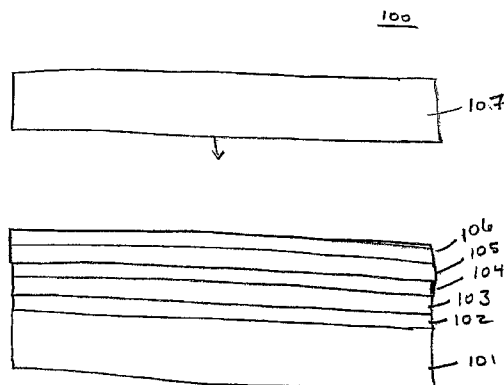
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(54) Title: OLED STRUCTURES WITH BARRIER LAYER AND STRAIN RELIEF



(57) Abstract: An OLED structure includes a substantially flexible substrate, and at least one barrier layer disposed between the substrate and the OLED structure. The barrier layer substantially prevents contaminants from permeating a layer of organic material or the OLED structure. The barrier layer includes a glass layer that has certain components added or removed to improve its flexibility. The OLED structure may also include a substantially flexible substrate and at least one barrier layer disposed between the substrate and the OLED structure. The barrier layer includes a strain relief material. The strain relief material advantageously has at least one axis of orientation. Photonic or electronic components, or both could be substituted for the OLED.



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