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Weber et al.

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(54) **DISPLAYS WITH VIAS**

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USPC 313/498–512; 257/79
See application file for complete search history.

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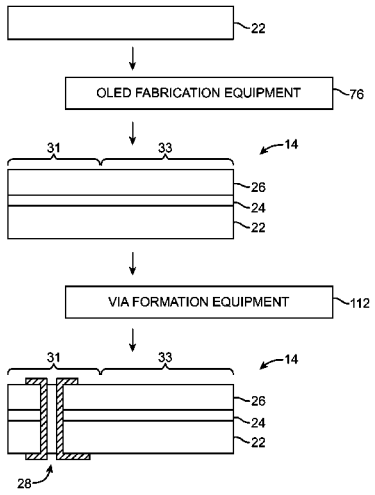
(57) **ABSTRACT**

An electronic device may include a display. The display may be an organic light-emitting diode display. The organic light-emitting diode display may have a substrate layer, a layer of organic light-emitting diode structures, and a layer of sealant. Vias may be formed in the substrate layer. The vias may be formed before completion of the display or after completion of the display. The vias may be filled with metal using electroplating or other metal deposition techniques. The vias may be connected to contacts on the rear surface of the display. The vias may be located in active regions of the display or inactive regions of the display. The display may include a top surface emission portion and a bottom surface emission portion.

22 Claims, 12 Drawing Sheets