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United States Patent [19]

Silverman

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[54] **ADDITIVE COLOR ELECTRIC PAPER WITHOUT REGISTRATION OR ALIGNMENT OF INDIVIDUAL ELEMENTS**

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[51] **Int. Cl.**[7] **G02B 26/00**

[52] **U.S. Cl.** **359/296**; 359/298; 345/107; 427/214; 364/15

[58] **Field of Search** 359/296, 298; 345/107; 427/214; 364/15, 4

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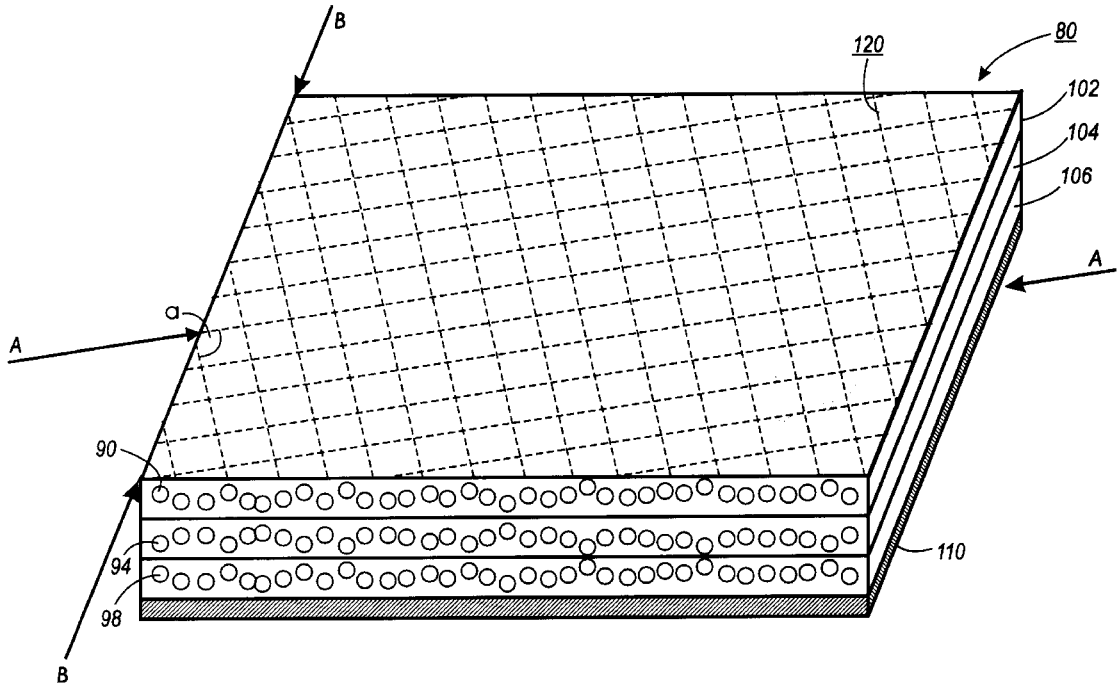
[57] **ABSTRACT**

Several variations in full-color additive gyricons are shown. Each gyricon shown has been designed for ease of construction by eliminating the need for precise placement of rotating elements, alignment between the gyricon layers, if any, and alignment between the gyricon sheet and the addressing device.

27 Claims, 22 Drawing Sheets