

[54] **HYBRID COLOR DISPLAY SYSTEM**

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**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 329,938, Mar. 28, 1989.

[51] **Int. Cl.<sup>5</sup>** ..... G02F 1/13

[52] **U.S. Cl.** ..... 350/335; 350/337; 350/339 F

[58] **Field of Search** ..... 350/335, 337, 339 F

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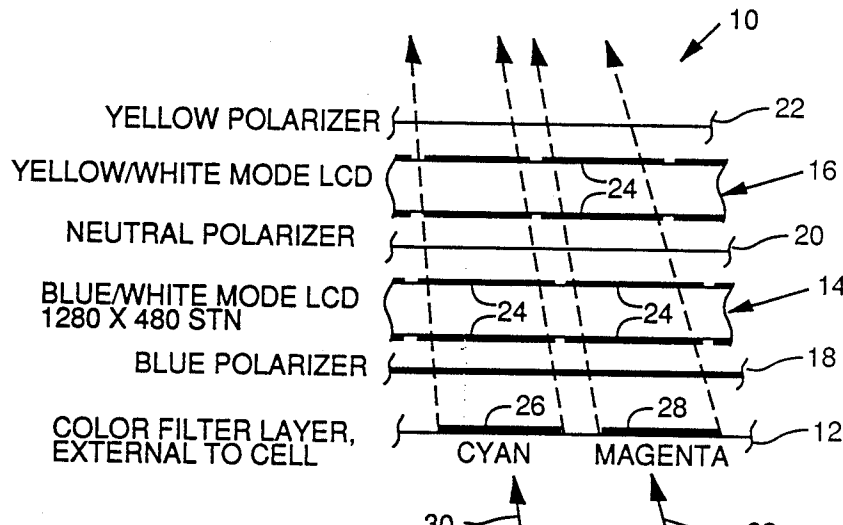
*Attorney, Agent, or Firm*—Townsend & Townsend

[57]

**ABSTRACT**

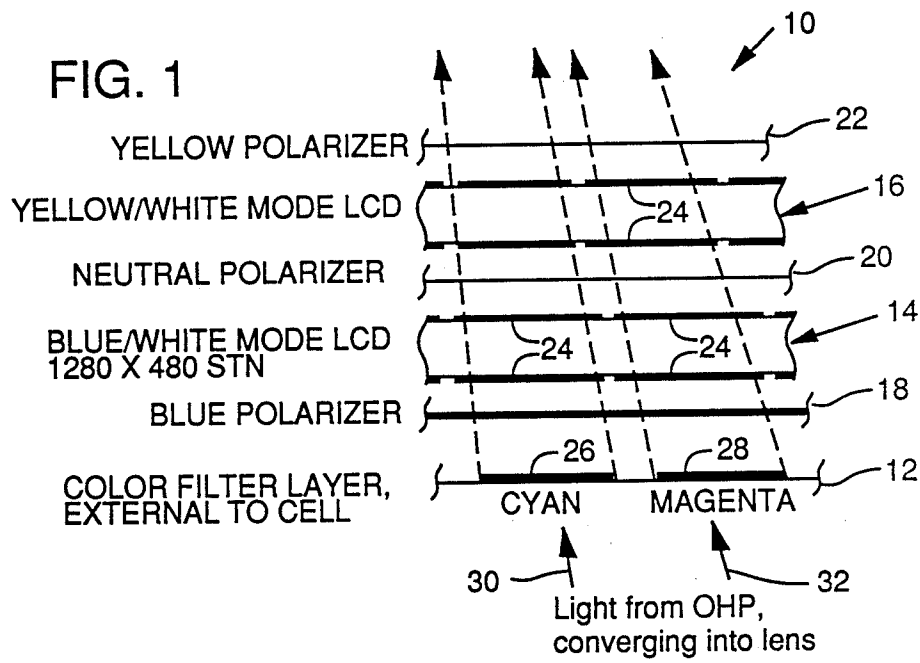
A color display system includes two colored LCD panels operated in conjunction with a colored filter. One of the LCDs may be a primary color, such as red, green or blue, and the other LCD may be its complement, i.e. cyan, magenta or yellow, respectively. The color filter may be in mosaic form and desirably comprises pixels of two subtractive primary colors that are chosen to cooperate with the colored panels to yield a full color display. The invention's use of only two stacked panels and two colored filter elements yields a number of performance and design advantages over prior art full color systems that must rely on three stacked panels or three colored filter elements.

15 Claims, 5 Drawing Sheets

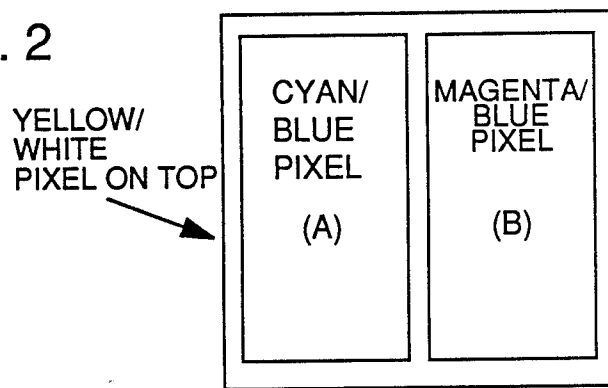


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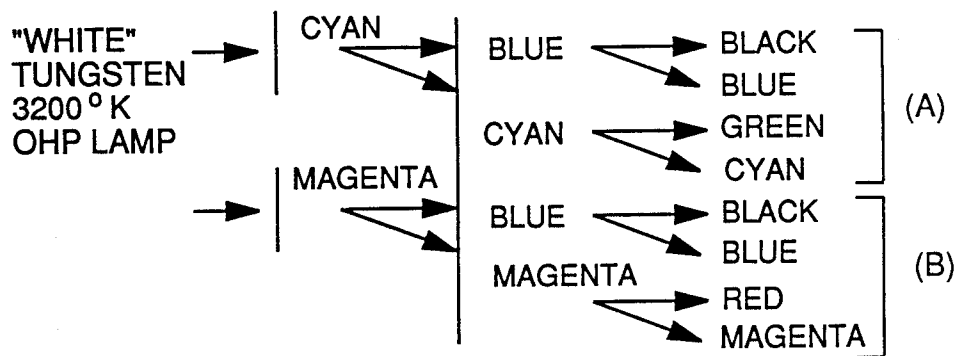
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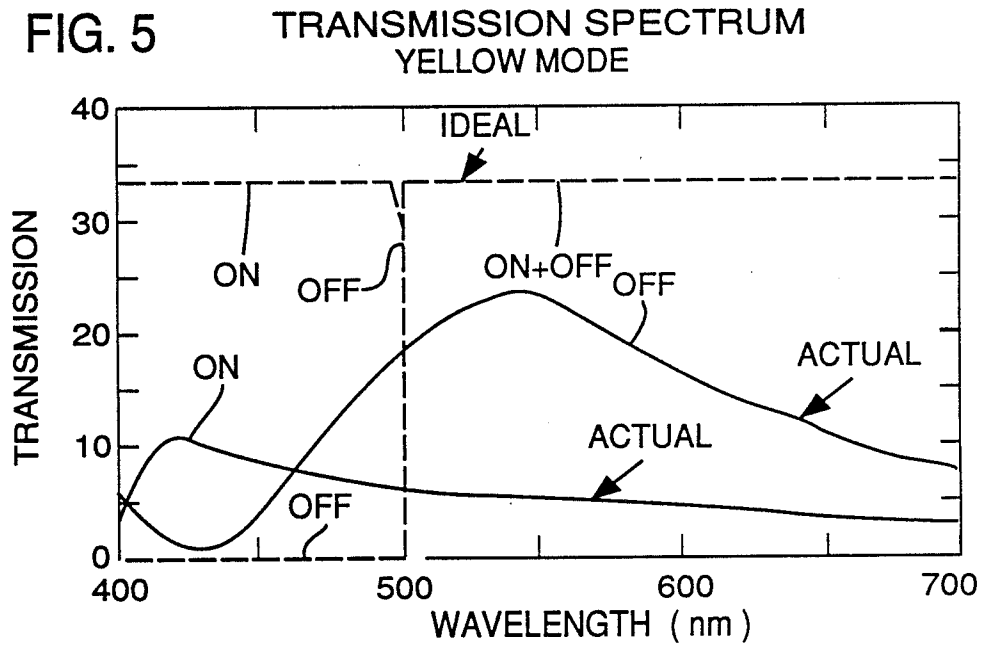
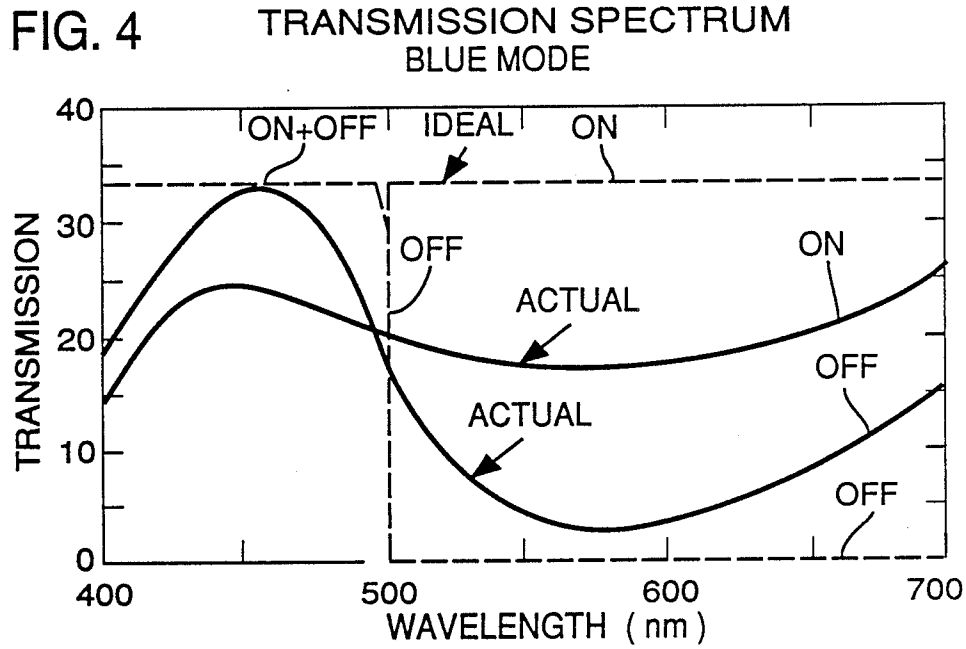


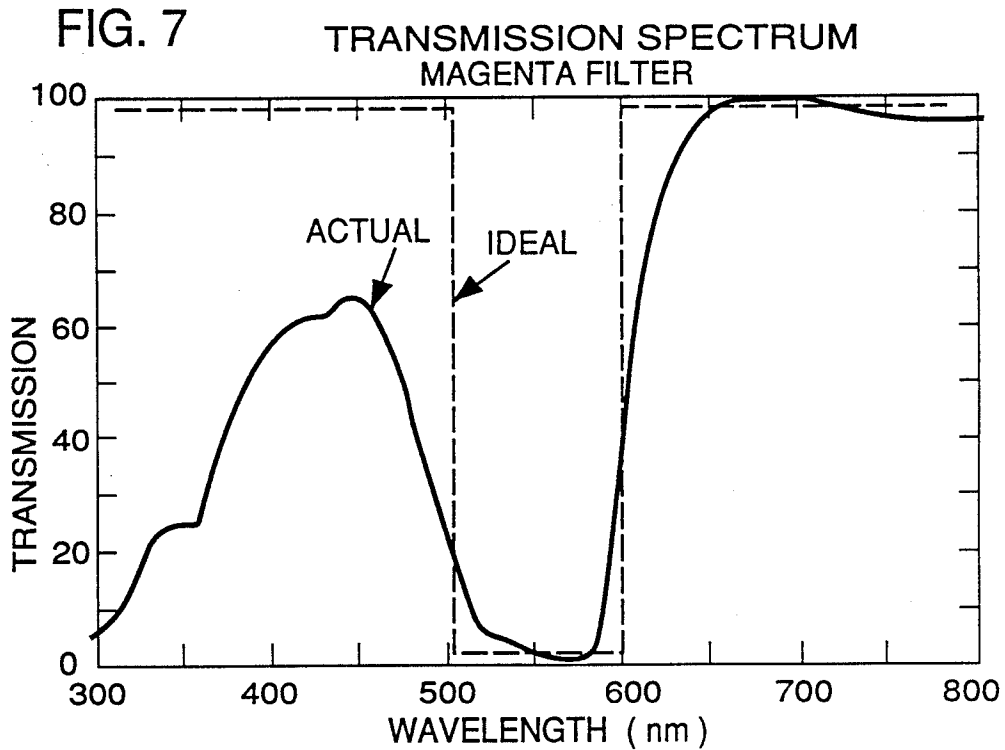
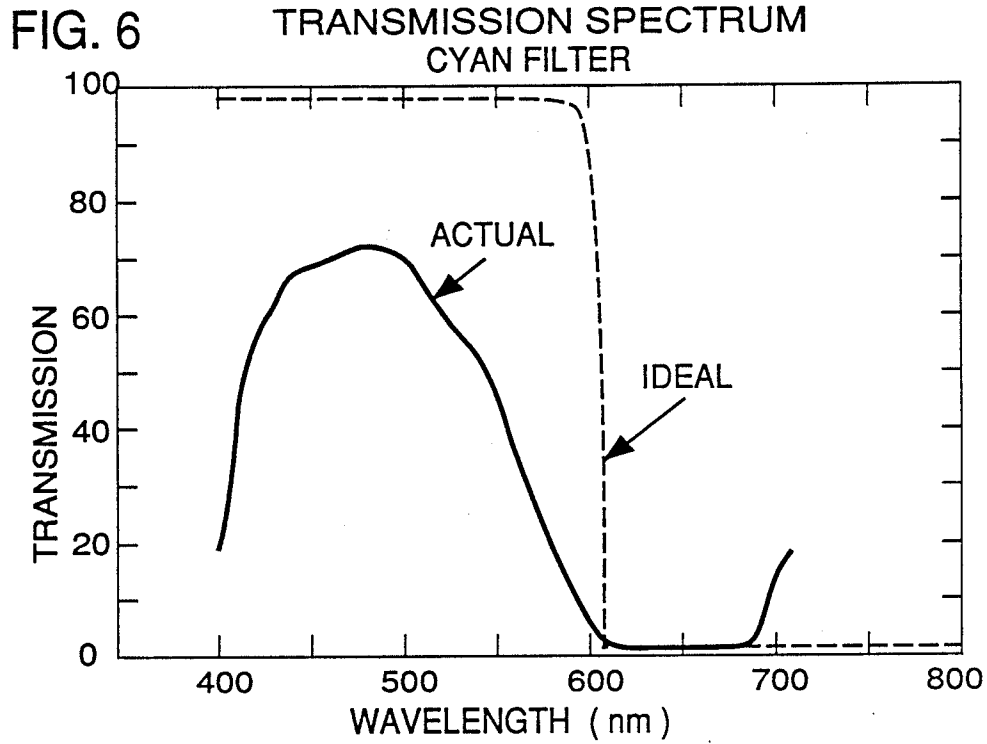
**FIG. 2**



**FIG. 3**







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