US006271823B1

(12) **United States Patent**
Gordon, II et al.

(10) **Patent No.: US 6,271,823 B1**
(45) **Date of Patent: Aug. 7, 2001**

(54) **REFLECTIVE ELECTROPHORETIC DISPLAY WITH LATERALLY ADJACENT COLOR CELLS USING A REFLECTIVE PANEL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/154,284**

(22) Filed: **Sep. 16, 1998**

(51) **Int. Cl.**[7] **G09G 3/34**; G02B 26/00

(52) **U.S. Cl.** **345/107**; 359/296

(58) **Field of Search** 345/107; 359/296; 204/450, 600

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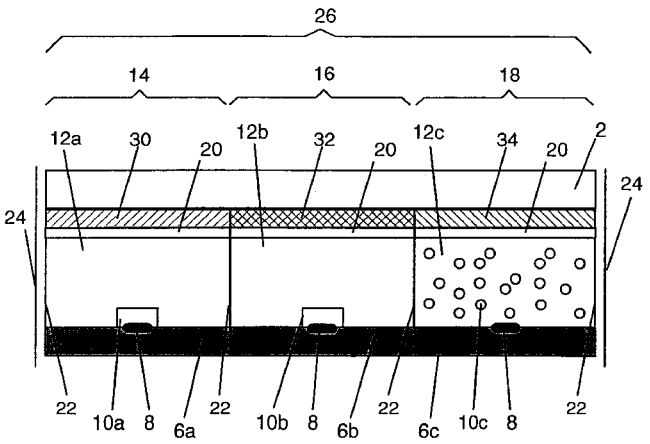
(57) **ABSTRACT**

An ambient light reflective color electrophoretic display is comprised of a plurality of color pixels; each comprised of at least two electrophoretic cells. Each cell is comprised of a suspension of charged, black or colored light-absorbing pigment particles in a light-transmissive fluid. Each cell is also comprised of a light-transmissive front window, at least one non-obstructing counter electrode, at least one non-obstructing collecting electrode, a light-reflective panel, and a color filter medium. The cells of different colors are in a laterally adjacent relationship to each other and the charged pigment particles are responsive to the electrodes. The filter medium in each cell can be a light-transmissive color filter element or a light-reflective colored surface or the pigment suspension fluid can be colored and serve as the filter medium.

20 Claims, 6 Drawing Sheets