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(54) **TRANSMISSIVE ELECTROPHORETIC DISPLAY WITH LATERALLY ADJACENT COLOR CELLS**

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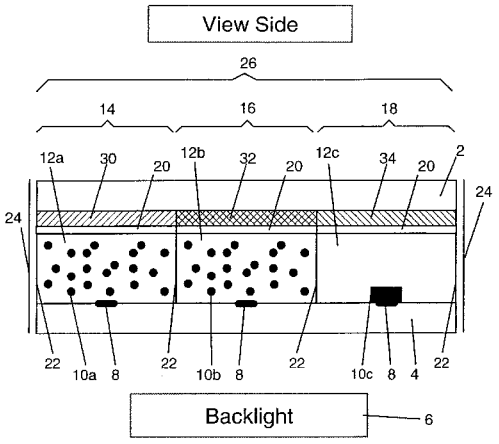
(57) **ABSTRACT**

A transmissive electrophoretic color display is comprised of a plurality of color pixels; each uniformly illuminated from the rear by a backlight and 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 and rear window, at least one non-obstructing counter electrode, at least one non-obstructing collecting electrode, 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 the pigment suspension fluid can be colored and serve as the filter medium.

23 Claims, 4 Drawing Sheets