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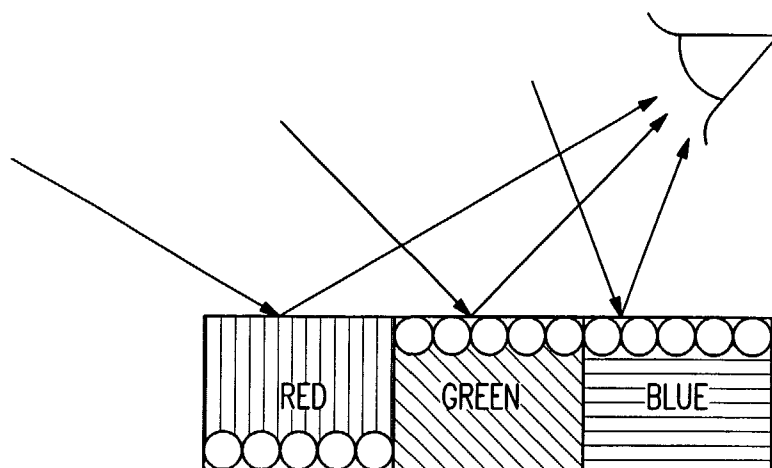
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(54) Title: ELECTROPHORETIC DISPLAY WITH DUAL-MODE SWITCHING



(57) Abstract: The present invention relates to an improved EPD which comprises both the traditional up/down switching and the in-plane switching modes. In other words, the improved EPD has dual switching modes. The monochrome EPDs of the present invention are capable of displaying highlight color of choice which is different from the text. For example, white background, blue text, and red highlight can be shown in any selected areas of the display. Furthermore, the full color EPDs of the present invention are capable of displaying high contrast images of high color saturation. Both high quality black and white

images are possible in the full color displays of the present invention. The EPDs of the present invention do not need complex circuitry design, and are compatible with low cost and high yield roll-to-roll manufacturing processes.



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