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(71) Applicant: CLAIRVOYANTE LABORATORIES, INC. [US/US]; 874 Gravenstein Highway South,, Suite 14,, Sebastopol, CA 95472 (US).

(72) Inventor: BROWN-ELLIOTT, Candice, Hellen; 531 York Street, Vallejo, CA 94590 (US).

(74) Agents: GARRETT, Arthur, S. et al.; Finnegan, Henderson, Farabow, Garrett & Dunner, L., L.P., 1300 I Street, N.W., Washington, D.C. 20005-3315 (US).

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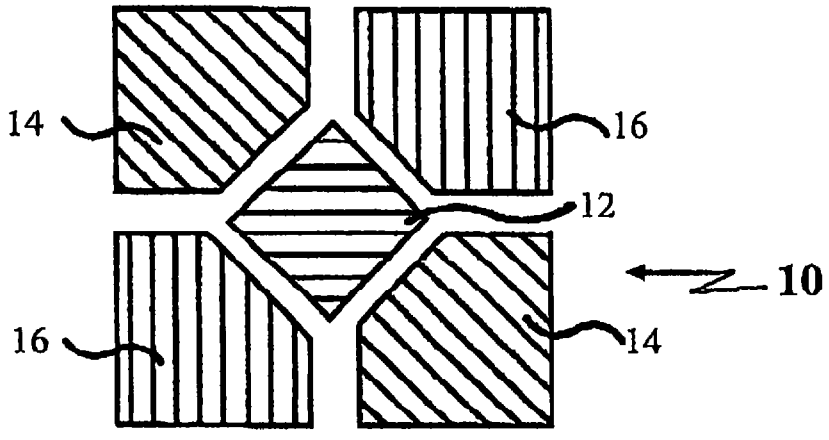
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(54) Title: ARRANGEMENT OF COLOR PIXELS FOR FULL COLOR IMAGING DEVICES WITH SIMPLIFIED ADDRESSING




(57) Abstract: An array and row and column line architecture for a display is disclosed. The array consists of a plurality of row and column positions and a plurality of three-color pixel elements. A three-color pixel element can comprise a blue emitter, a pair of red emitters, and a pair of green emitters. Several designs for the three-colour pixel element are contemplated. The drive matrix consists of a plurality of row and column drivers to drive the individual emitters. The row drivers drive the red, green and blue emitters in each row. The red and green emitters in each column are driven by a single column driver. However, a single column driver can drive two column lines of blue emitters, a first column line and a second column line of the next nearest neighboring three-color pixel element. Methods of driving a three-color pixel element are also disclosed.

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