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Komiya et al.

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(54) **EMISSIVE DISPLAY DEVICE AND ELECTROLUMINESCENCE DISPLAY DEVICE WITH UNIFORM LUMINANCE**

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(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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

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Sep. 29, 1999 (JP) 11-277084

(51) **Int. Cl.⁷** **G09G 3/10**

(52) **U.S. Cl.** **315/169.3; 313/505**

(58) **Field of Search** 315/169.3, 169.2, 315/169.1; 313/500, 503, 504, 505, 506, 463, 497; 345/76, 92, 77; G09G 3/10

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Primary Examiner—Don Wong

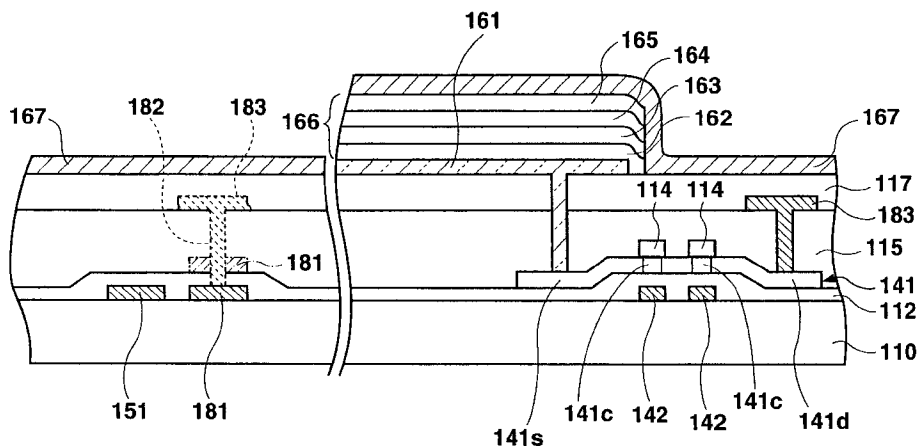
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(57) **ABSTRACT**

Power source lines (183) for supplying drive current from power source input terminals (180) to organic EL elements (160) formed in a display pixel region having display pixels are connected by a bypass line (181) along the row direction within the display pixel region. This arrangement minimizes decrease in power source current caused by resistance of the power source lines (183) according to the line length. Accordingly, the organic EL elements (160) can adequately receive the actual desired current, thereby achieving an organic EL device capable of bright displays and having uniform display luminance within the display region.

9 Claims, 7 Drawing Sheets



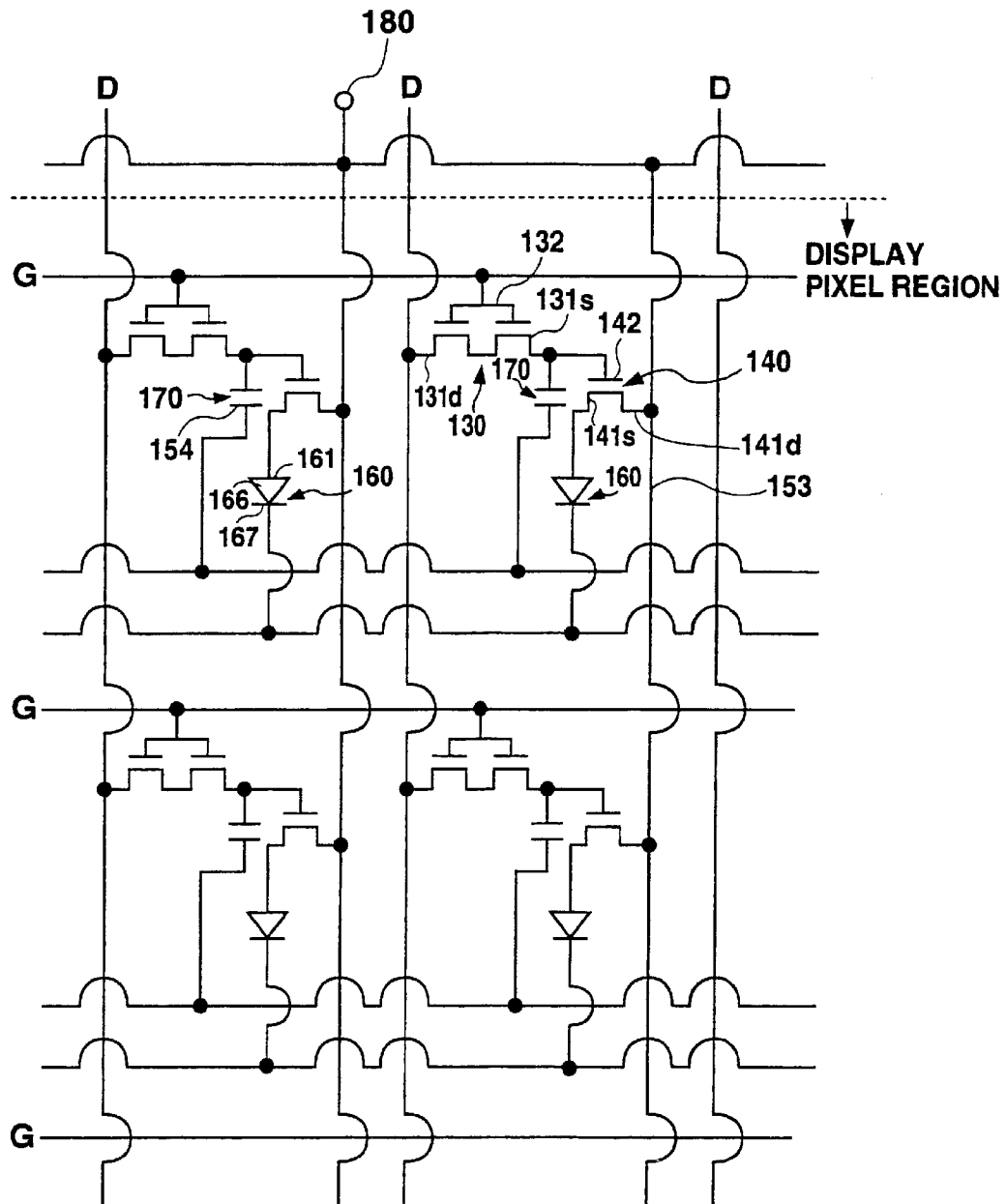


Fig. 2 RELATED ART

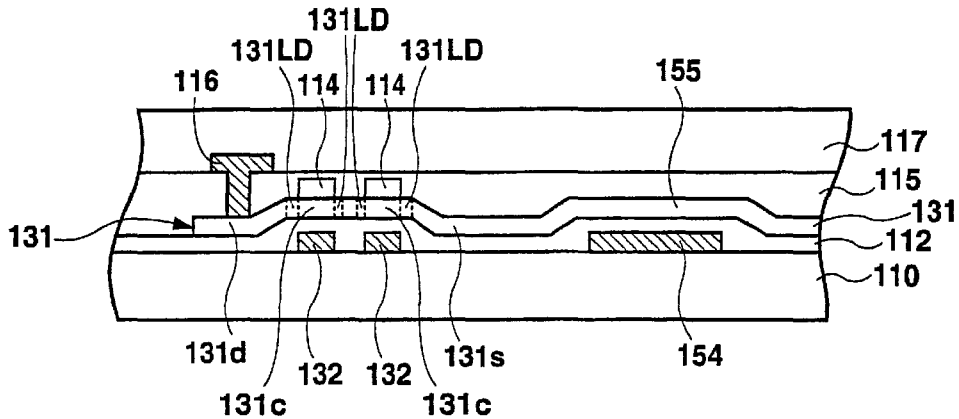


Fig. 3A RELATED ART

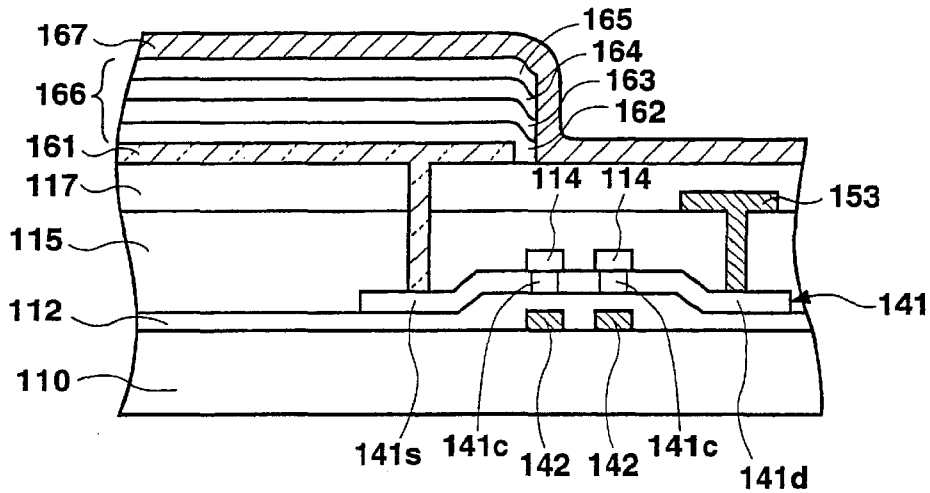


Fig. 3B RELATED ART

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