

(12) United States Patent
Okuda

(10) Patent No.: US 6,380,689 B1
(45) Date of Patent: Apr. 30, 2002

(54) DRIVING APPARATUS FOR ACTIVE MATRIX TYPE LUMINESCENT 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.: **09/679,814**

(22) Filed: **Oct. 5, 2000**

(30) Foreign Application Priority Data

Oct. 6, 1999 (JP) 11-285203

(51) Int. Cl.⁷ **G09G 3/10**

(52) U.S. Cl. **315/169.3**; 315/169.1;
 315/169.2; 345/60; 345/76; 345/77

(58) Field of Search 315/169.1, 169.2,
 315/169.3; 345/76, 60

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(57) ABSTRACT

A driving apparatus for an active matrix type luminescent panel, in which a reverse bias voltage can be applied to each EL device in the luminescent panel effectively. An address period and an emission period are repeatedly set on each of a plurality of capacitive light emitting devices in accordance with synchronizing timing in input image data. In an address period, a driving device corresponding to at least a device to be light-emitted of the plurality of capacitive light emitting devices is designated in accordance with the input image data. The designated driving device is turned on in the emission period subsequent to the address period, so that an emission voltage in forward polarity is applied to the device to be light-emitted device through the corresponding driving device in the emission period. In the address period, a bias voltage having polarity reverse to the forward polarity is applied to at least the device to be light-emitted.

12 Claims, 15 Drawing Sheets

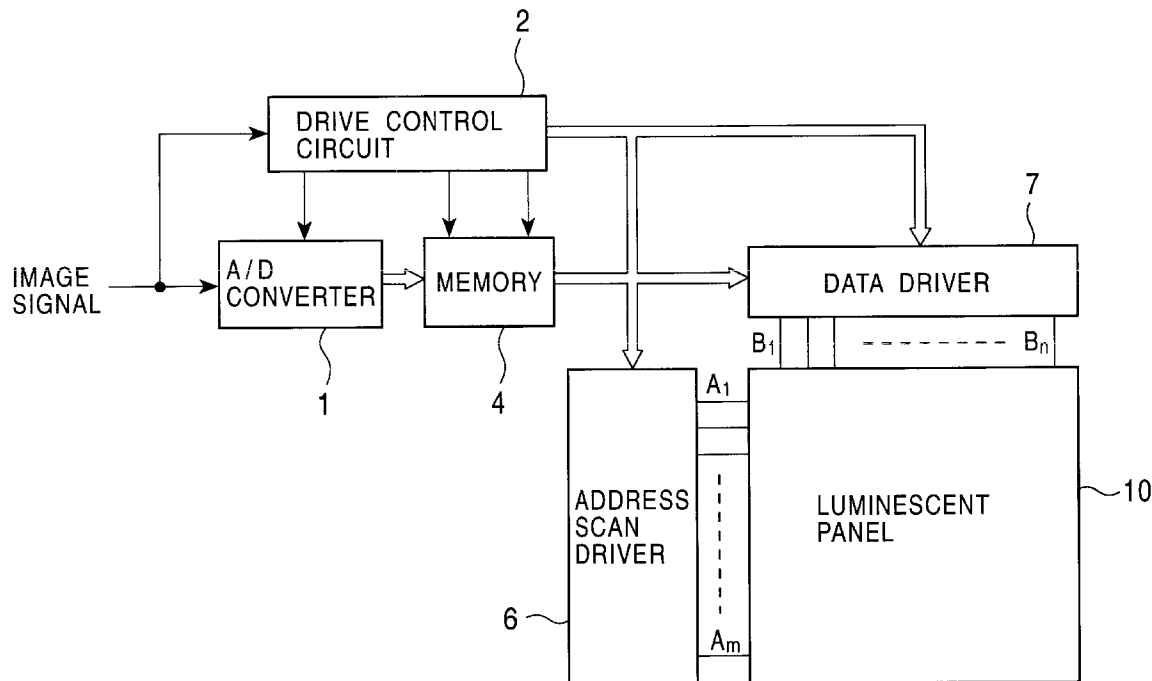


FIG. 1

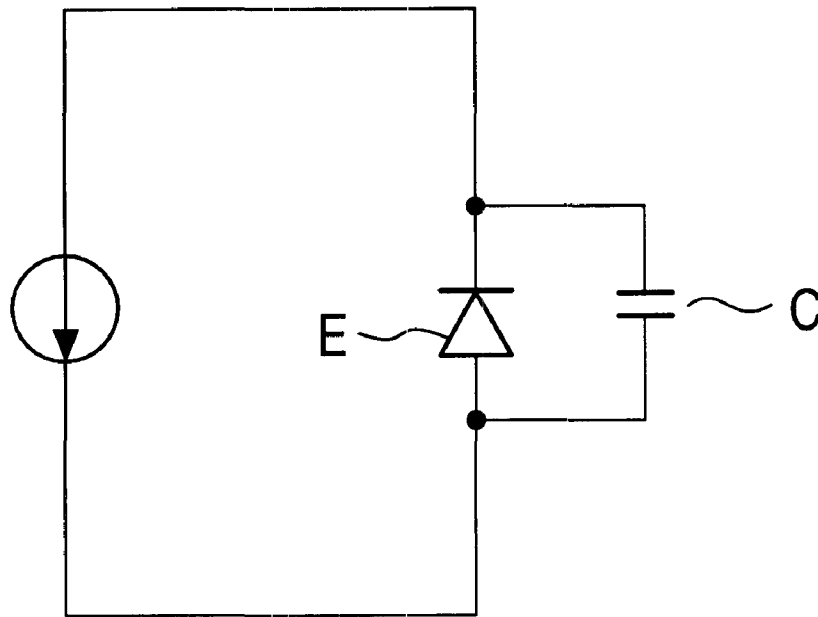


FIG. 2

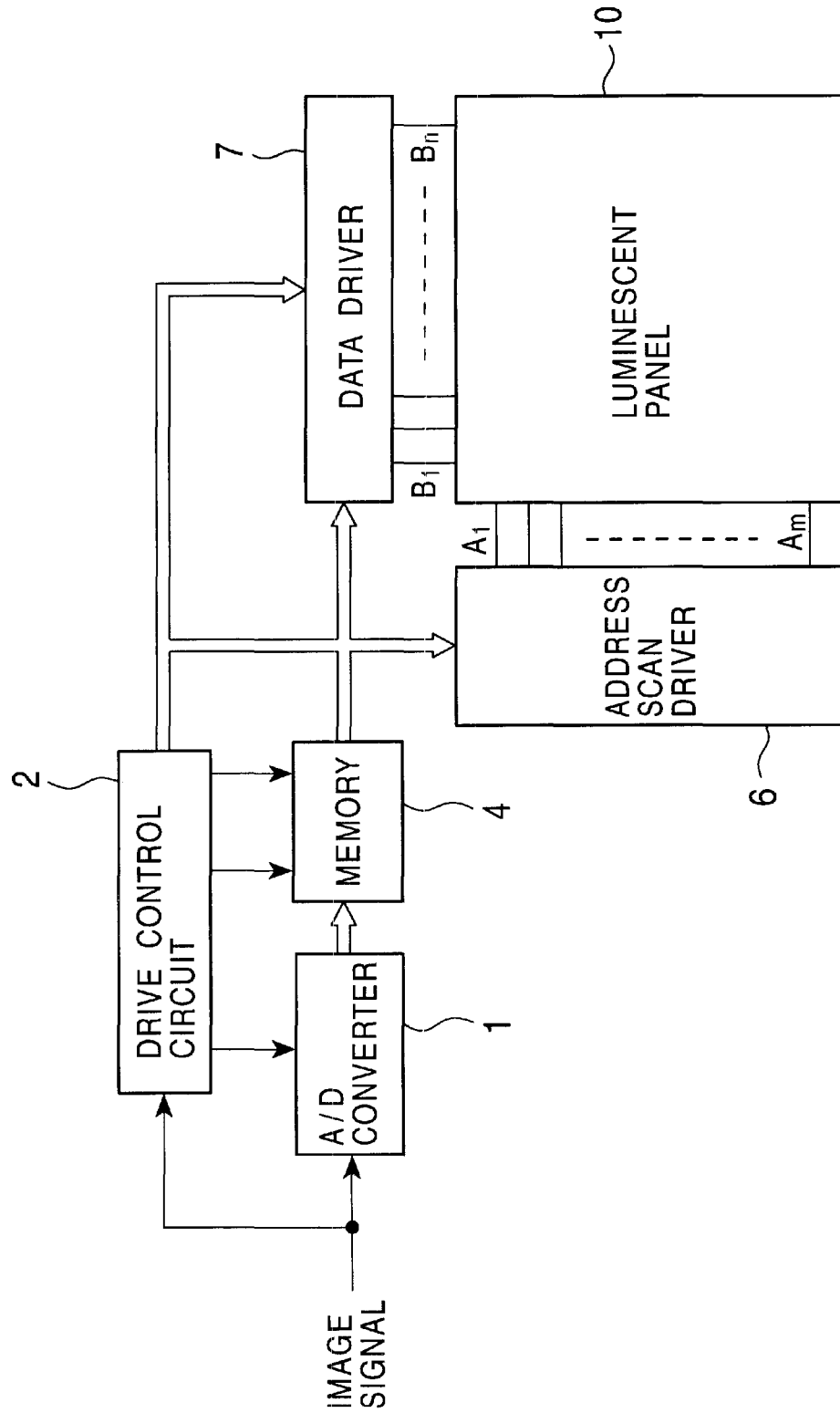


FIG. 3

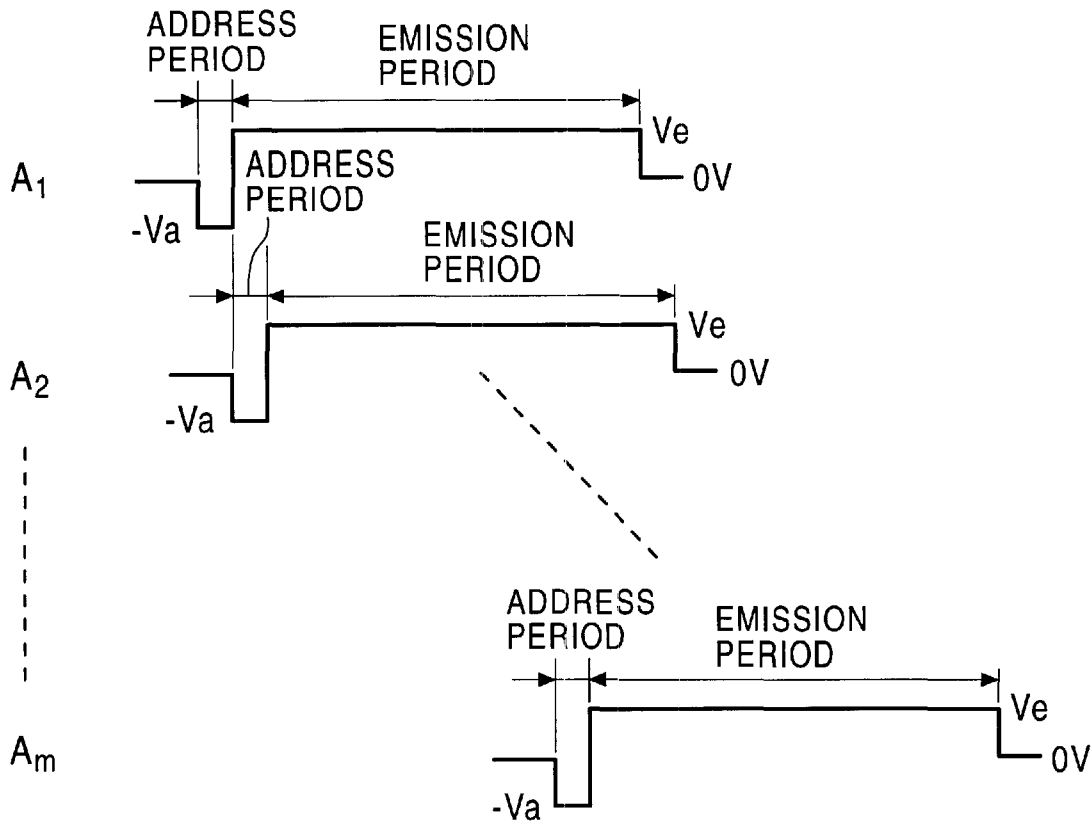
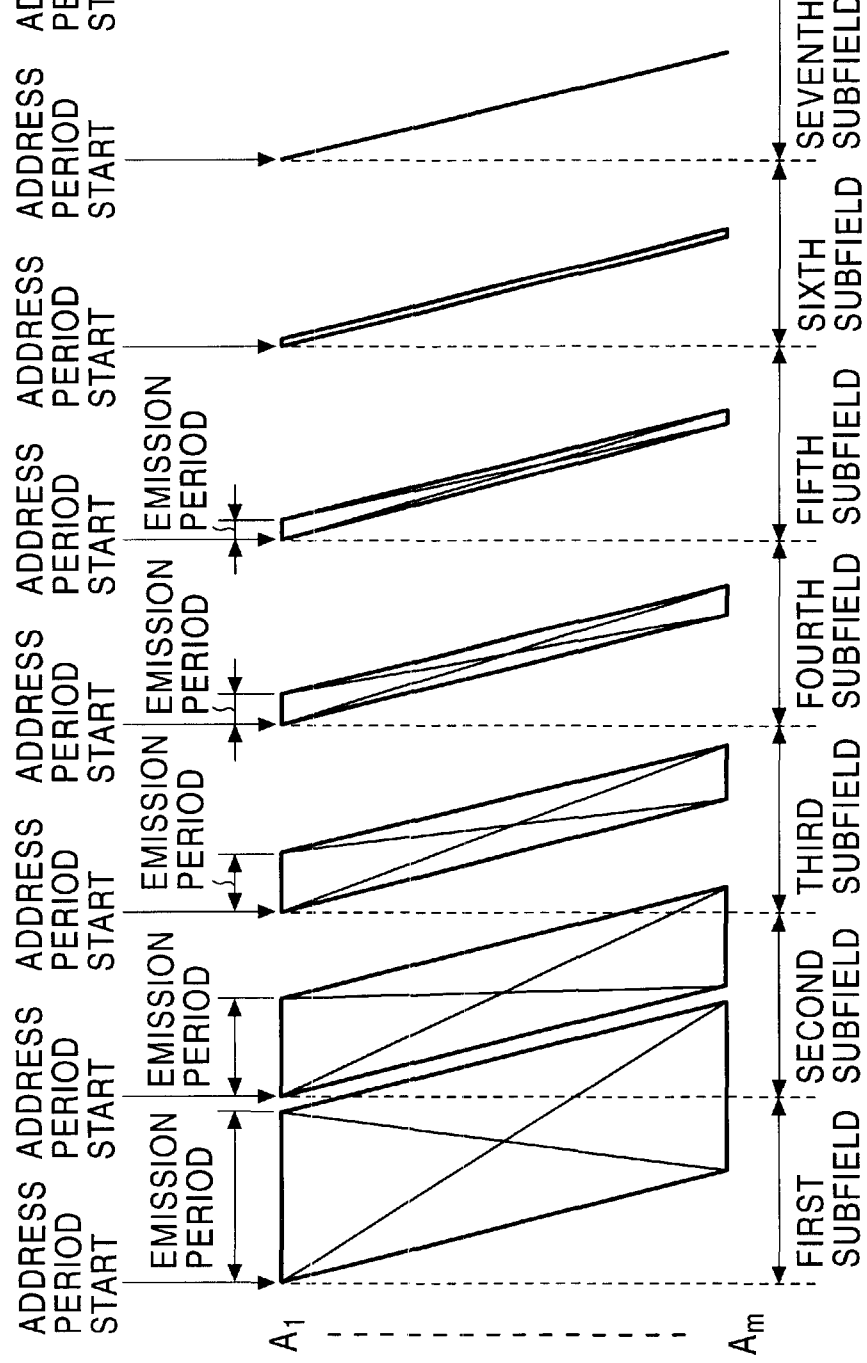


FIG. 4



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