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Miyazawa

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(54) **DISPLAY APPARATUS AND METHOD OF DRIVING THE SAME**

(75) Inventor: **Takao Miyazawa**, Shimosuwa-machi (JP)

(73) Assignee: **Seiko Epson Corporation**, Tokyo (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 742 days.

(21) Appl. No.: **10/936,649**

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(65) **Prior Publication Data**

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(30) **Foreign Application Priority Data**

Nov. 28, 2003 (JP) 2003-399339

(51) **Int. Cl.**
G09G 3/30 (2006.01)

(52) **U.S. Cl.** **345/78; 345/76; 345/77; 345/80; 345/81; 345/82; 345/204**

(58) **Field of Classification Search** **345/78, 345/76-77, 80-82, 204**
See application file for complete search history.

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Primary Examiner—Richard Hjerpe
Assistant Examiner—Leonid Shapiro

(74) *Attorney, Agent, or Firm*—Oliff & Berridge, PLC

(57) **ABSTRACT**

To provide a technology for preventing effect of precharging from becoming nonuniform when the threshold voltage of a driving transistor included in a current drive type pixel circuit is nonuniform. In the technology, before setting the internal state of each of current drive type pixel circuits, provided to corresponded to intersections of a plurality of data lines and a plurality of scanning lines, in accordance with light emission grayscales, precharge voltages as voltages to be applied to the data lines are specified. A predetermined current is supplied to the current drive type pixel circuits via the data lines. A precharge voltage is specified in accordance with voltages appearing in the data lines after the predetermined current is supplied.

2 Claims, 14 Drawing Sheets

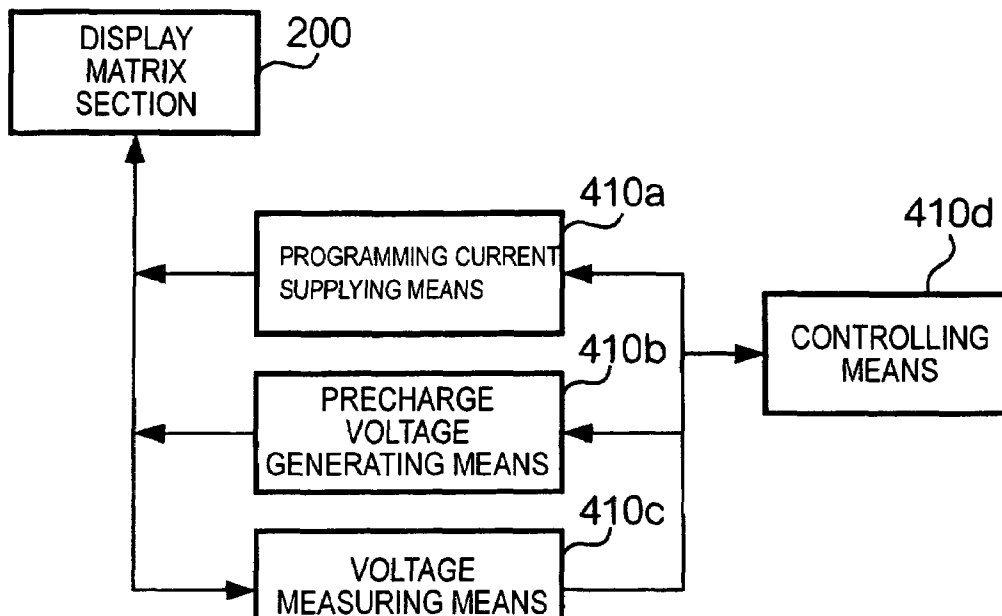


FIG. 1

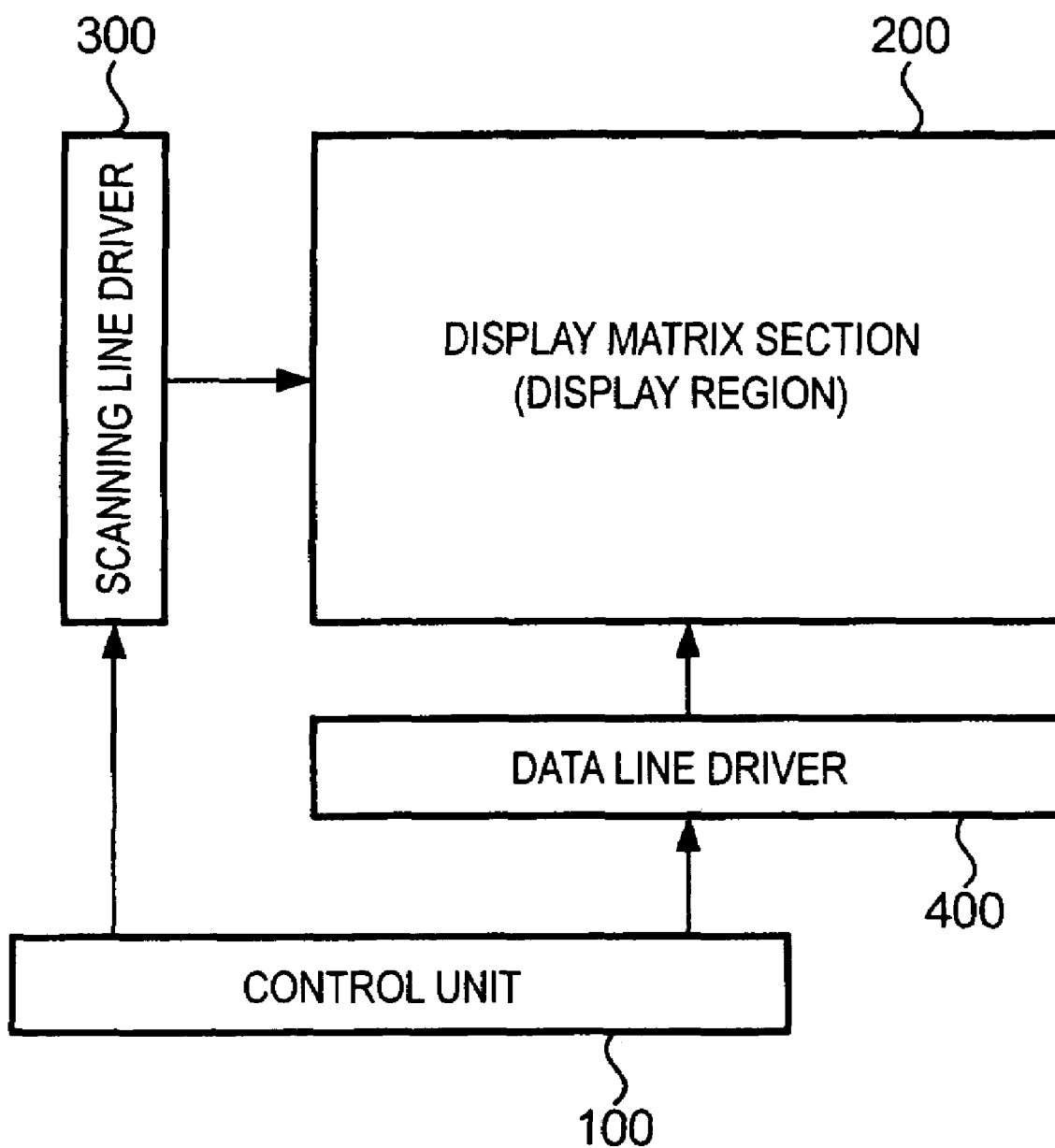


FIG. 2

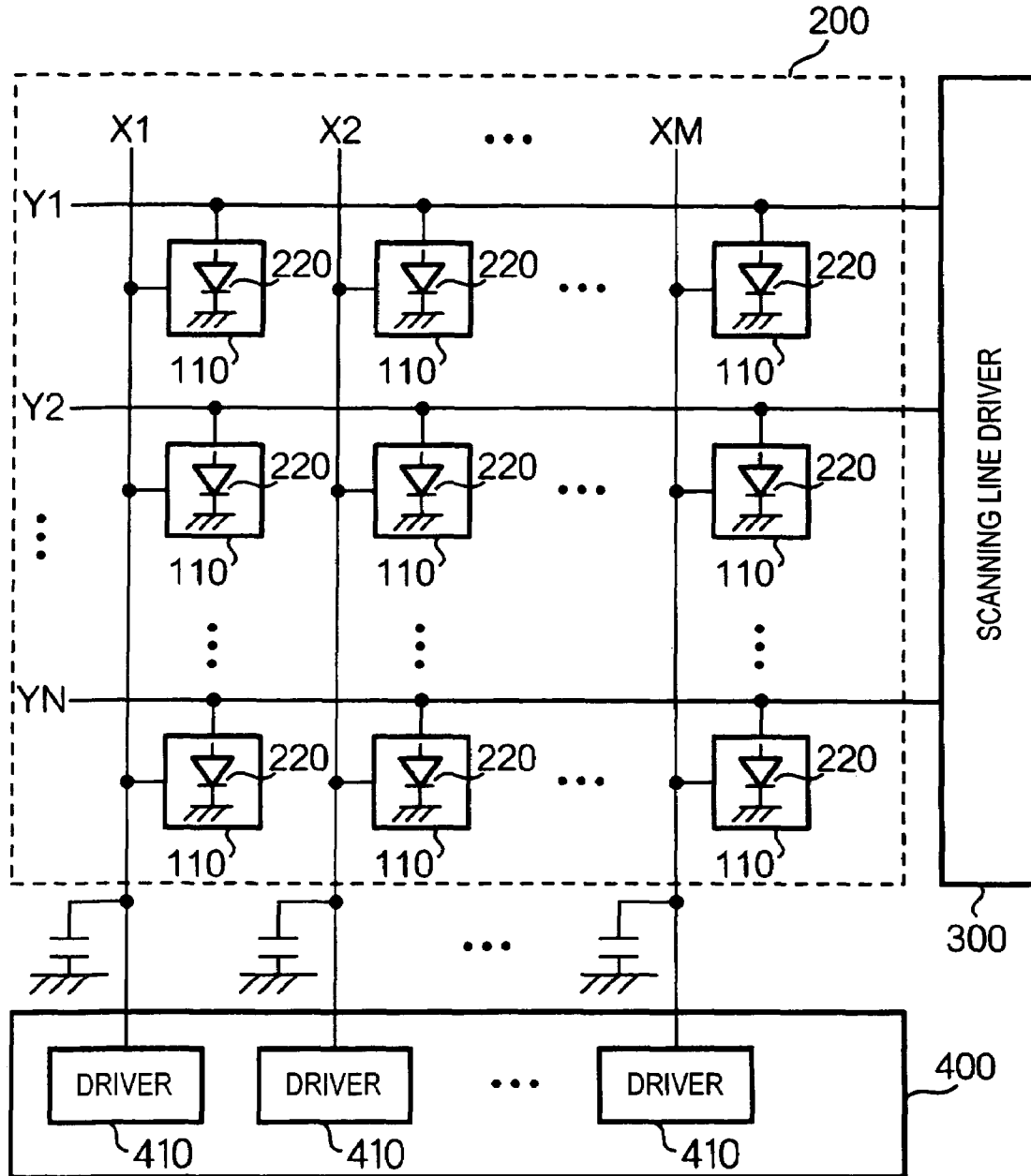


FIG. 3

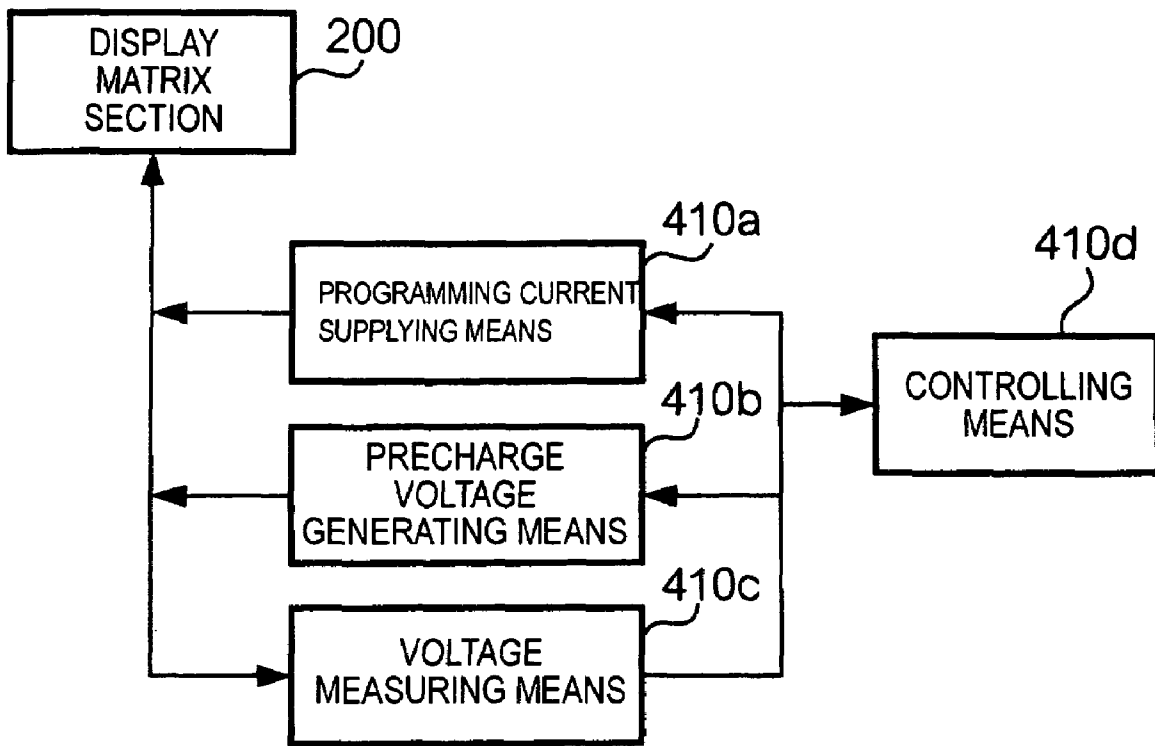
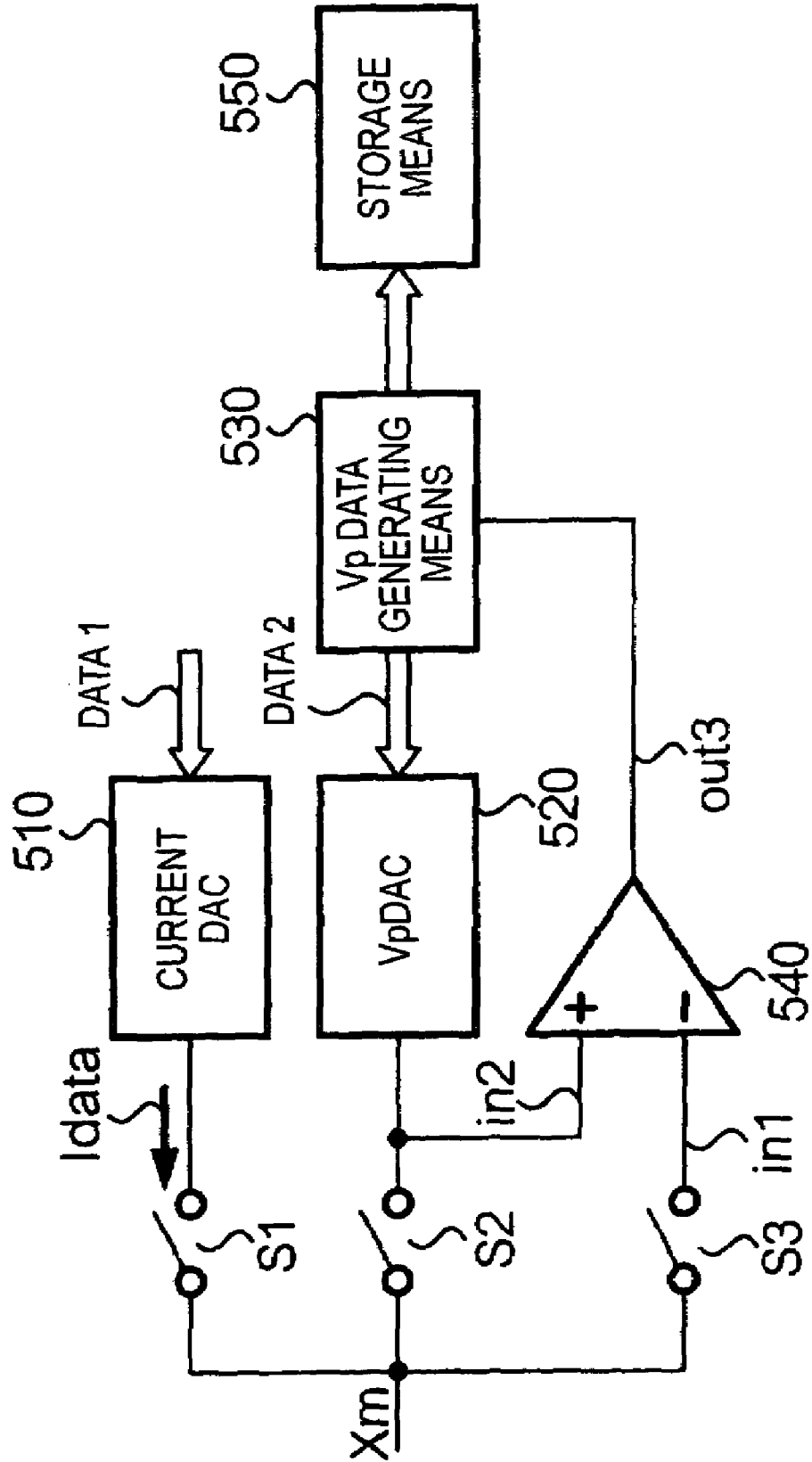


FIG. 4



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