



US005870340A

United States Patent [19] Ohsawa

[11] Patent Number: **5,870,340**
[45] Date of Patent: **Feb. 9, 1999**

- [54] MULTIPLEXER
- [75] Inventor: **Takashi Ohsawa, Yokohama, Japan**
- [73] Assignee: **Kabushiki Kaisha Toshiba, Kawasaki, Japan**
- [21] Appl. No.: **889,441**
- [22] Filed: **Jul. 8, 1997**

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Related U.S. Application Data

- [62] Division of Ser. No. 763,036, Dec. 10, 1996, Pat. No. 5,701,095, which is a continuation of Ser. No. 393,076, Feb. 23, 1995, abandoned.

[30] Foreign Application Priority Data

Feb. 25, 1994 [JP] Japan 6-028593

- [51] Int. Cl.⁶ **G11C 7/00**
- [52] U.S. Cl. **365/189.02; 365/201; 365/203**
- [58] Field of Search **365/189.02, 201, 365/203, 189.05, 190**

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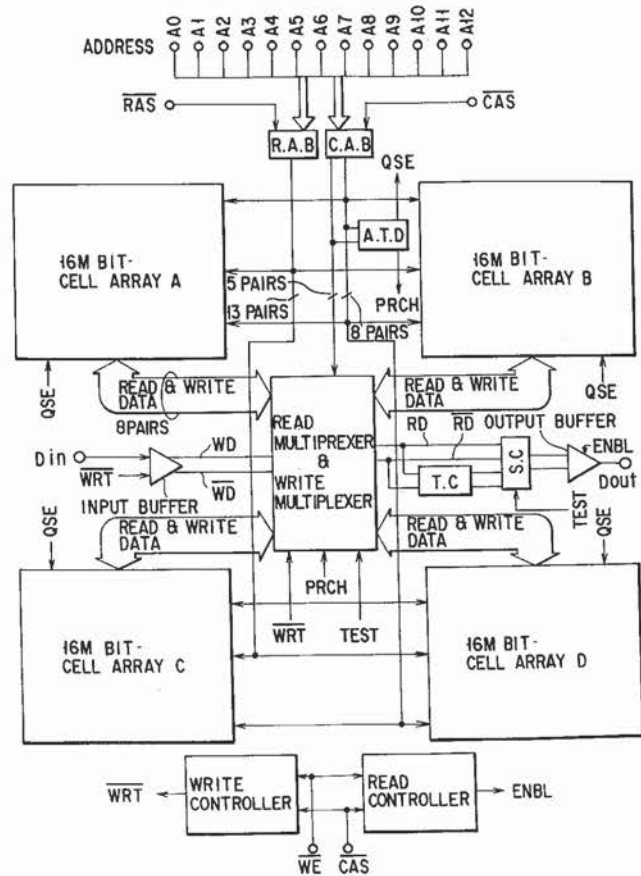
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Primary Examiner—Tan T. Nguyen
Attorney, Agent, or Firm—Banner & Witcoff, Ltd.

[57] ABSTRACT

A semiconductor integrated circuit device has a data selecting circuit connected to a first power supply terminal, a precharge circuit, connected to a second power supply terminal, for receiving a precharge signal, and a wiring line connected to a common connection point between the data selecting circuit and the precharge circuit. The data selecting circuit includes at least two, i.e., first and second data transmission circuits. A first input data signal and a first selecting signal are supplied to the first data transmission circuit. A second input data signal and a second selecting signal are supplied to the second data transmission circuit.

25 Claims, 27 Drawing Sheets



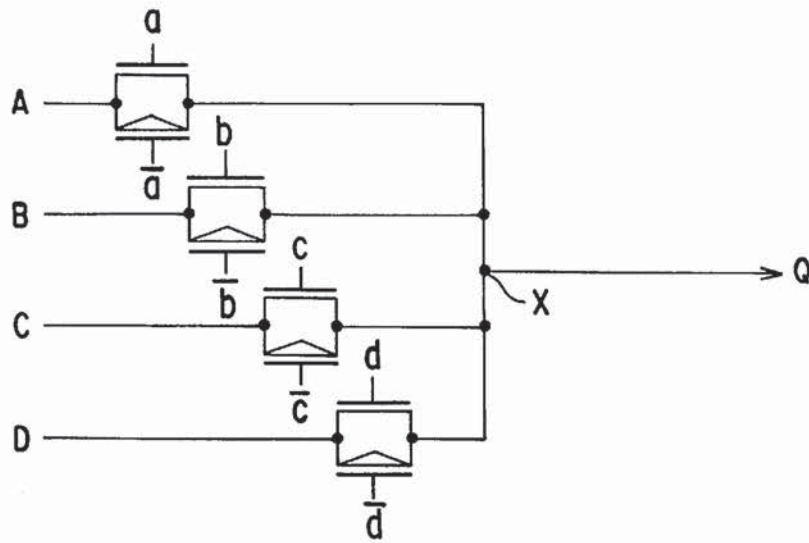


FIG. 1 (PRIOR ART)

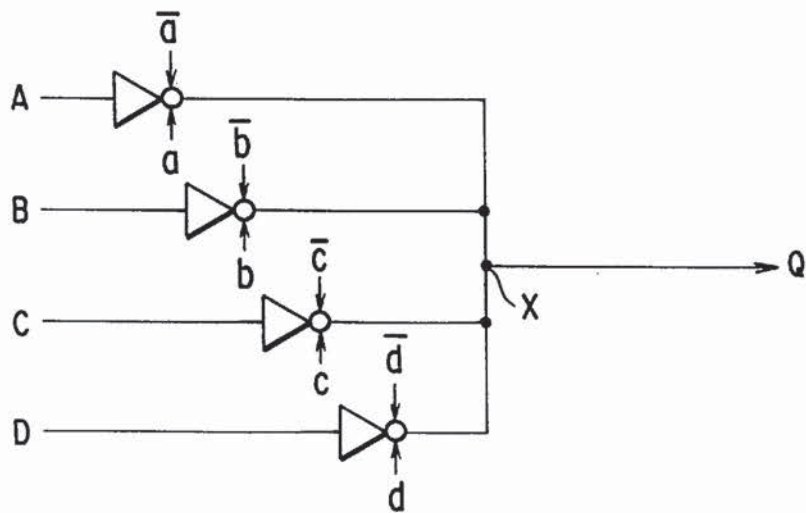


FIG. 2 (PRIOR ART)

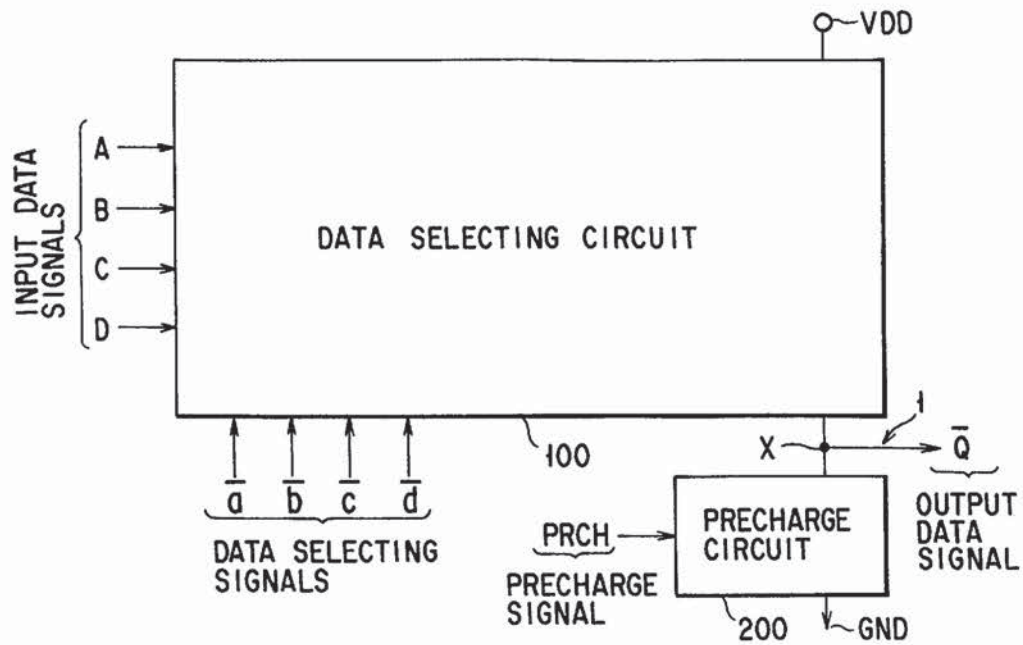


FIG. 3

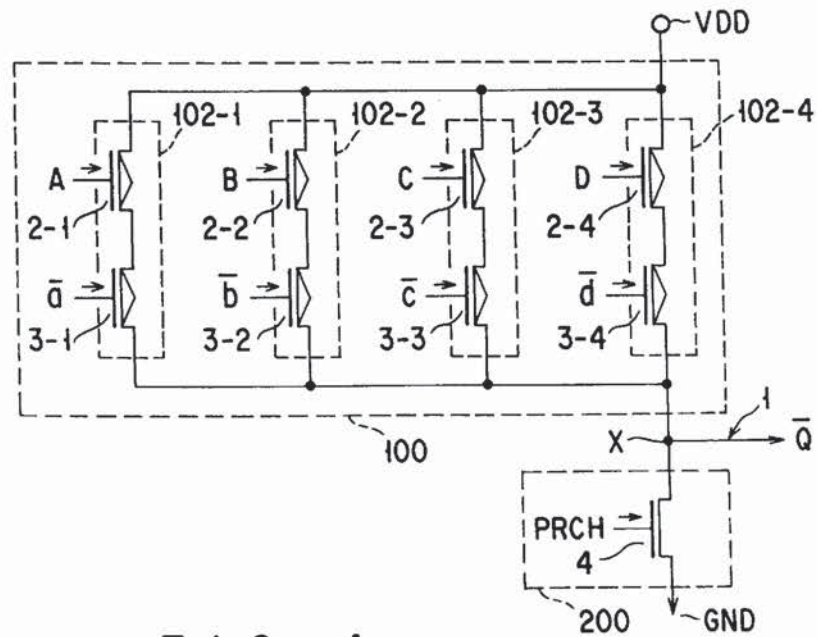


FIG. 4

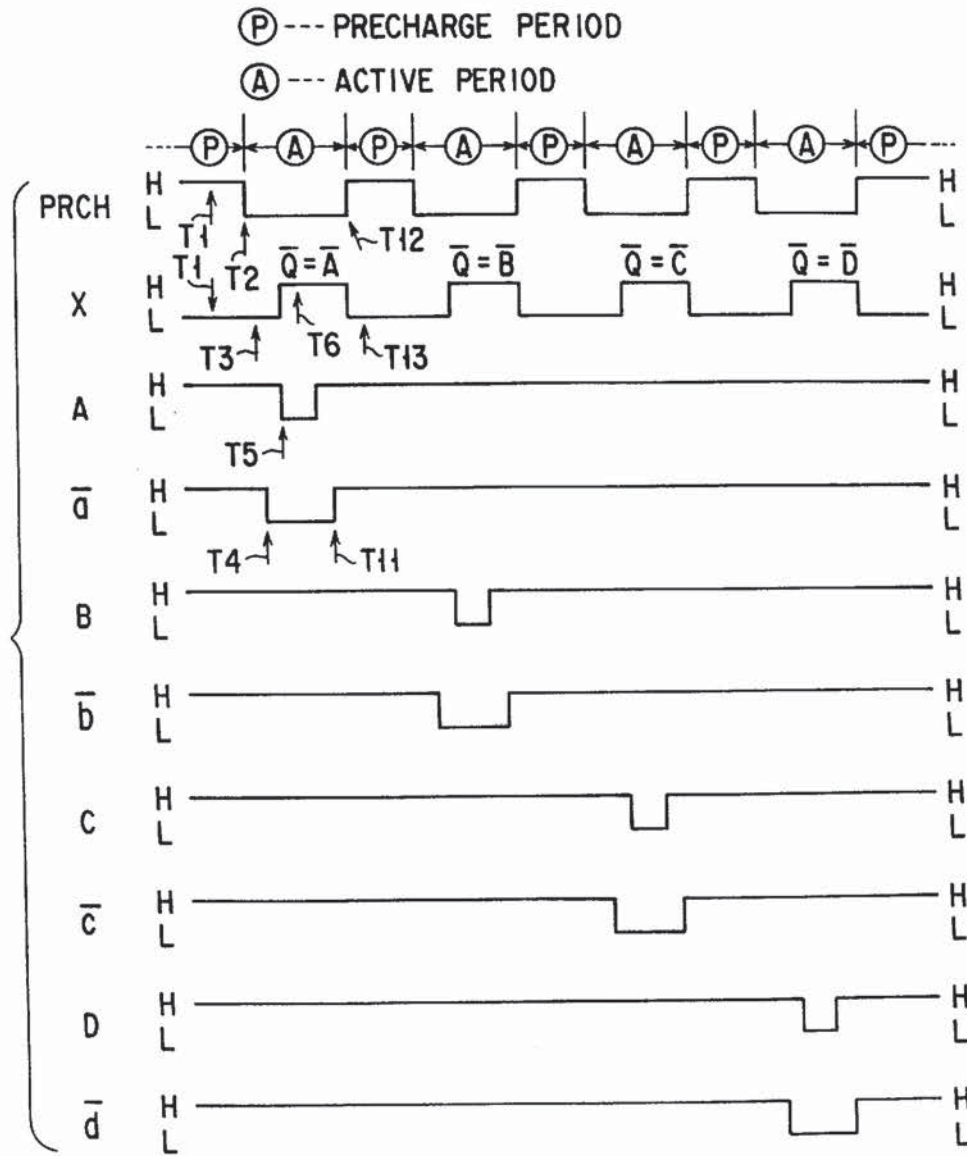


FIG. 5

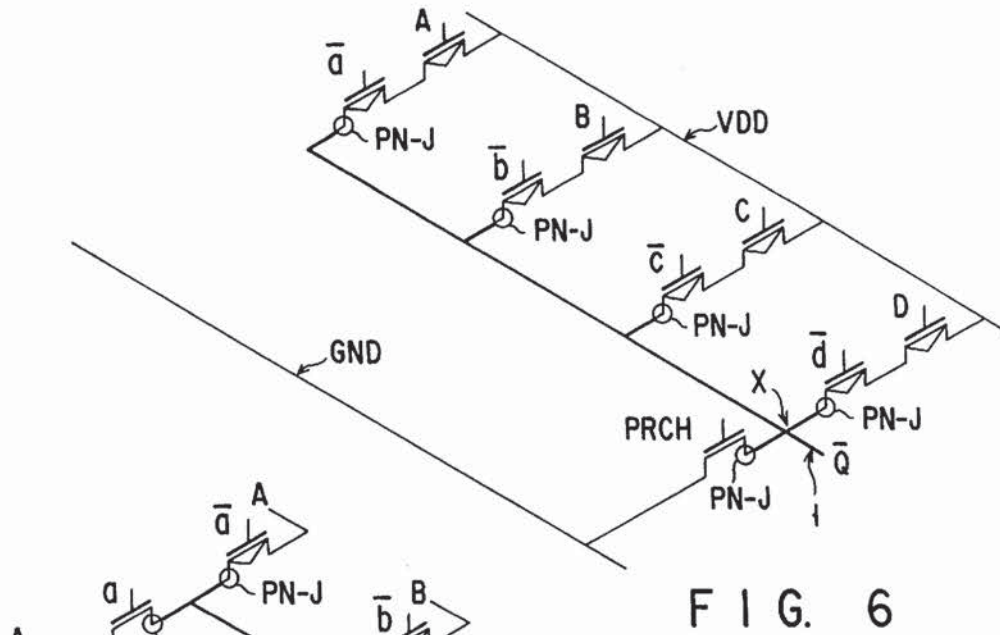


FIG. 6

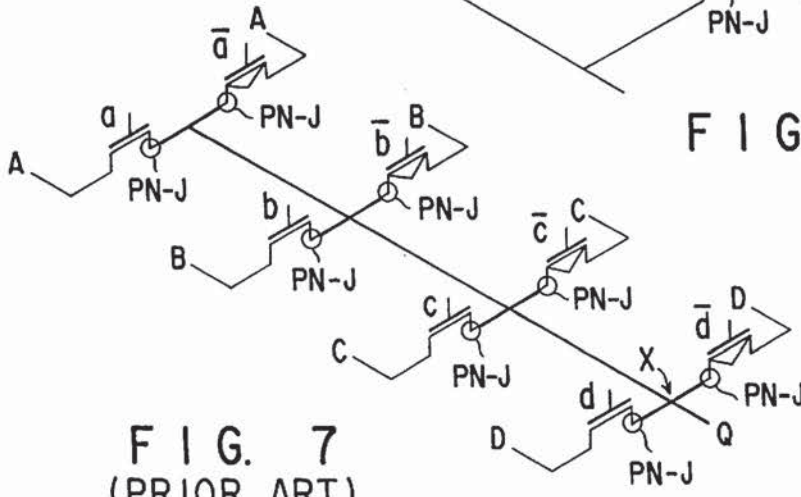


FIG. 7
(PRIOR ART)

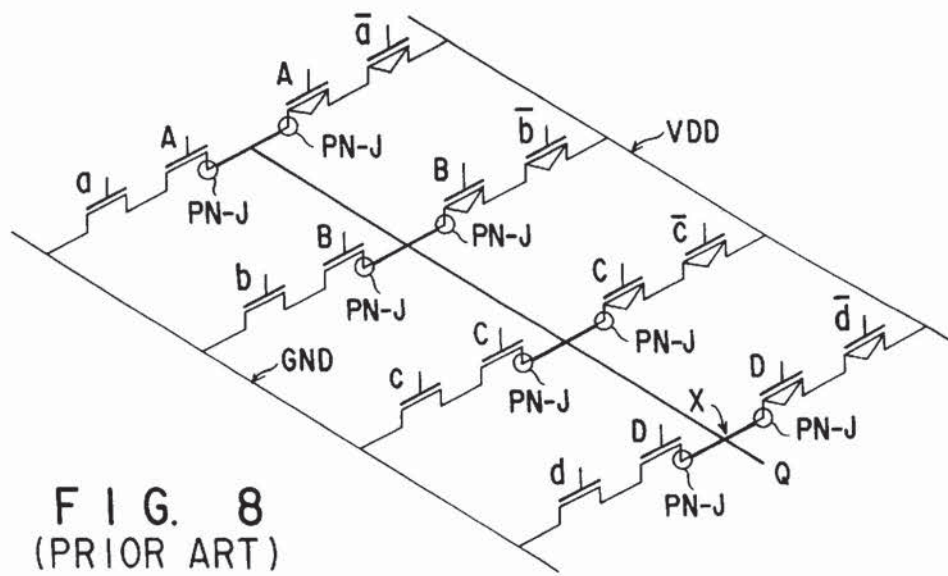


FIG. 8
(PRIOR ART)

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