



[54] PORTABLE SECURE SEMICONDUCTOR MEMORY DEVICE

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Mar. 31, 1989 [JP] Japan 1-77980

[51] Int. Cl.⁵ G11B 23/28

[52] U.S. Cl. 380/3; 380/23; 380/25; 380/19; 235/380

[58] Field of Search 380/3, 23, 25, 49; 235/380, 441, 382, 379, 492, 487

[56] References Cited

U.S. PATENT DOCUMENTS

Table of U.S. Patent Documents with columns for patent number, date, inventor, and reference number.

FOREIGN PATENT DOCUMENTS

Table of Foreign Patent Documents with columns for number, date, and country.

Primary Examiner—David Cain
Attorney, Agent, or Firm—Leydig, Voit & Mayer

[57] ABSTRACT

A portable semiconductor memory device for interfacing with and exchanging information with an external terminal, said portable device having a security function for controlling access to a main memory.

33 Claims, 6 Drawing Sheets

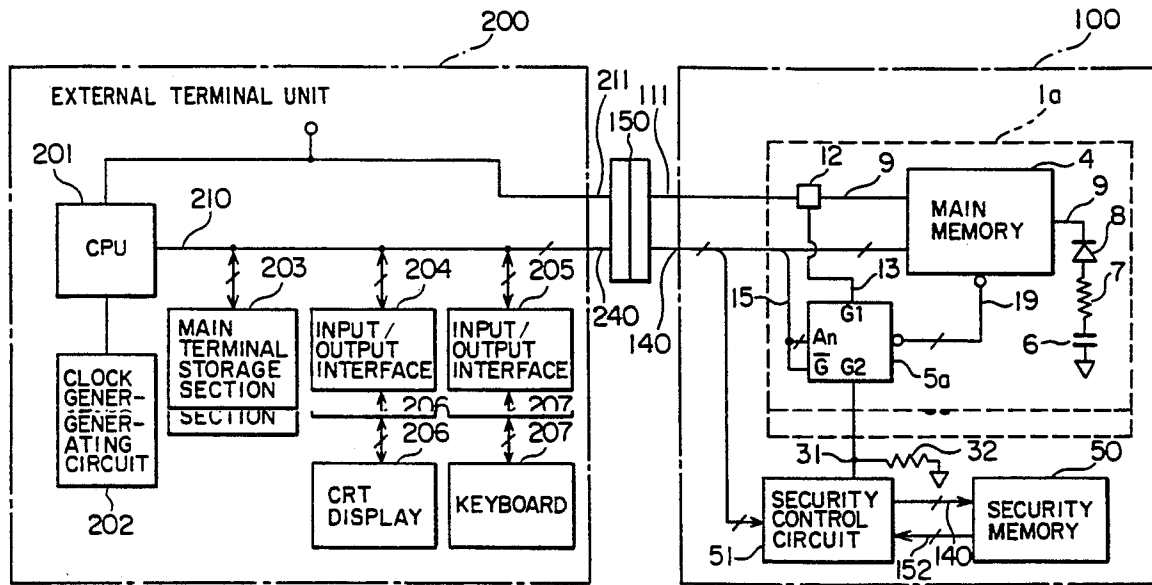


FIG. 3

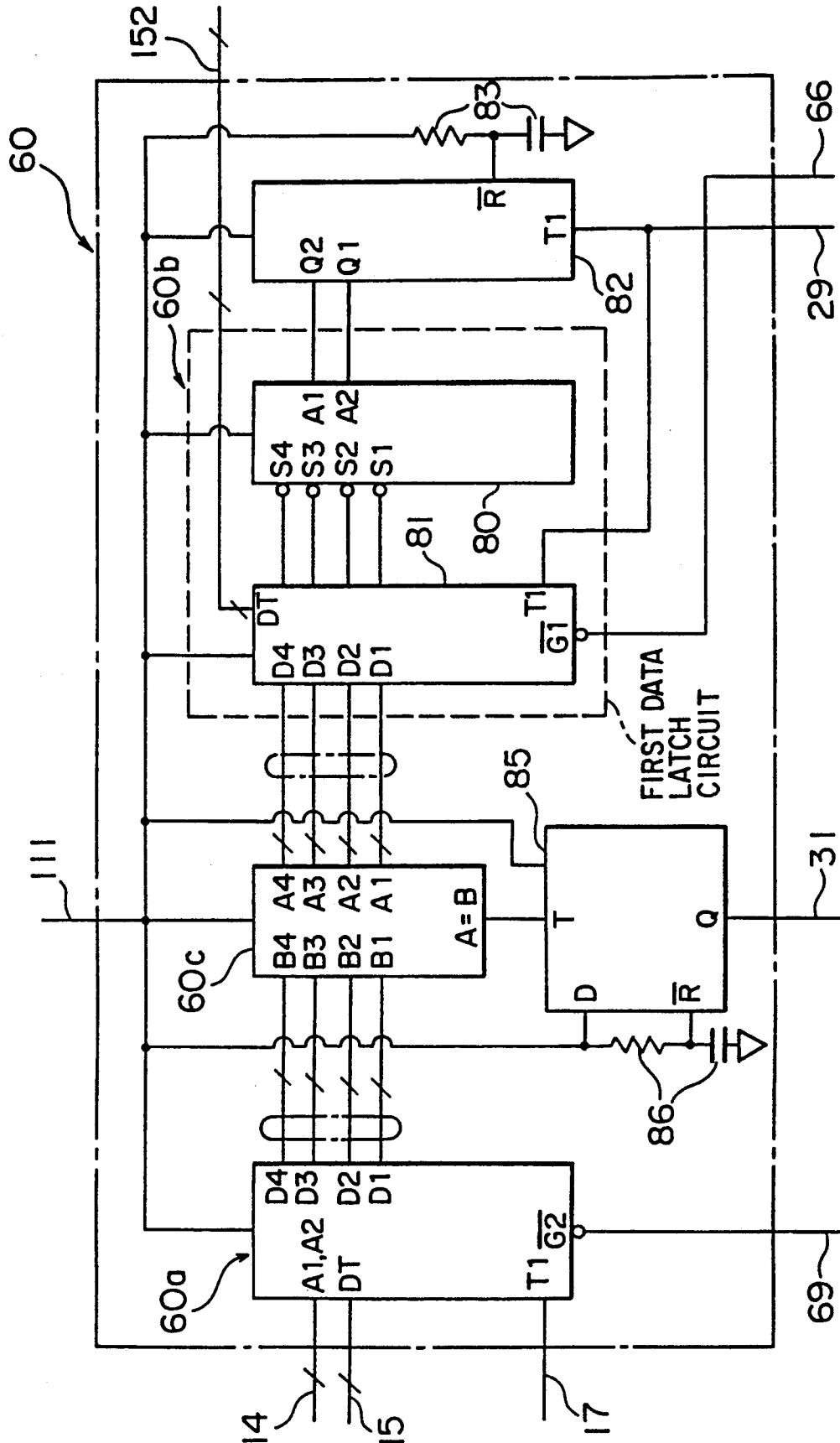


FIG. 4

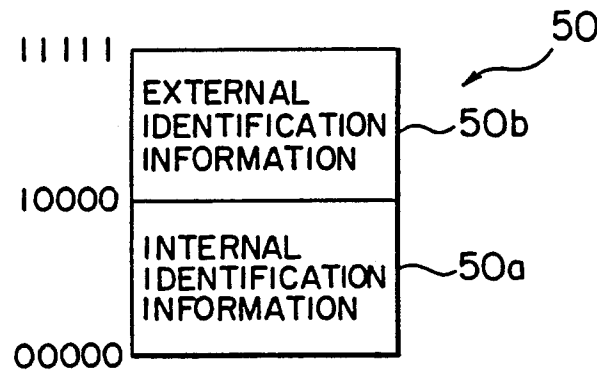
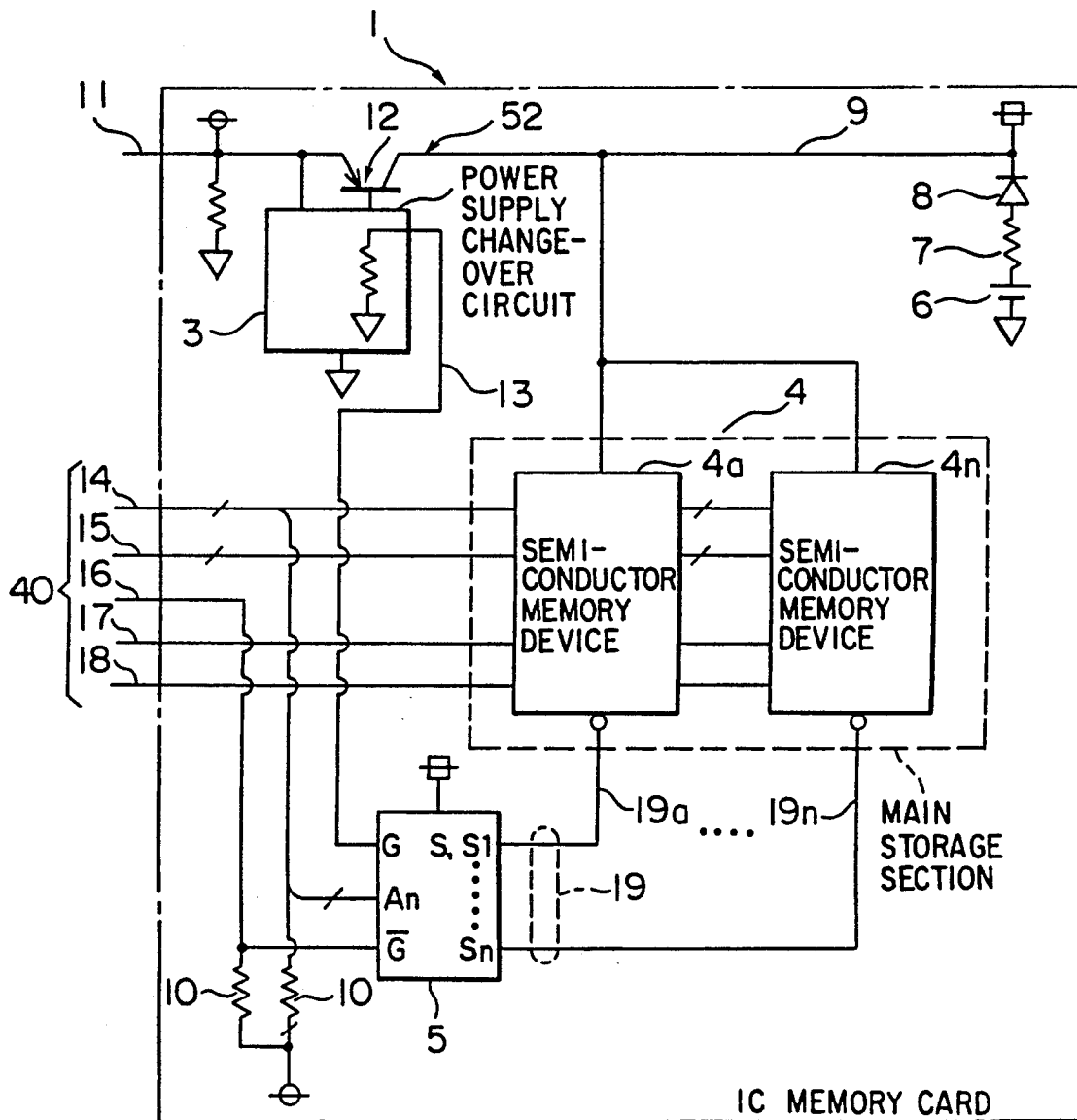


FIG. 7



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