



[54] MULTIPLE ACCESS MEMORY DEVICE

5,526,320 6/1996 Zagar et al. .... 365/233.5

[75] Inventor: Mark A. Lysinger, Carrollton, Tex.

Primary Examiner—Son T. Dinh

Attorney, Agent, or Firm—David V. Carlson; Theodore E. Galanthay; Lisa K. Jorgenson

[73] Assignee: SGS-Thomson Microelectronics, Inc., Carrollton, Tex.

[21] Appl. No.: 775,664

[22] Filed: Dec. 31, 1996

[51] Int. Cl.<sup>6</sup> ..... G11C 8/00

[52] U.S. Cl. .... 365/230.06; 365/189.05; 365/230.08

[58] Field of Search ..... 365/230.06, 230.08, 365/189.05

[56] References Cited

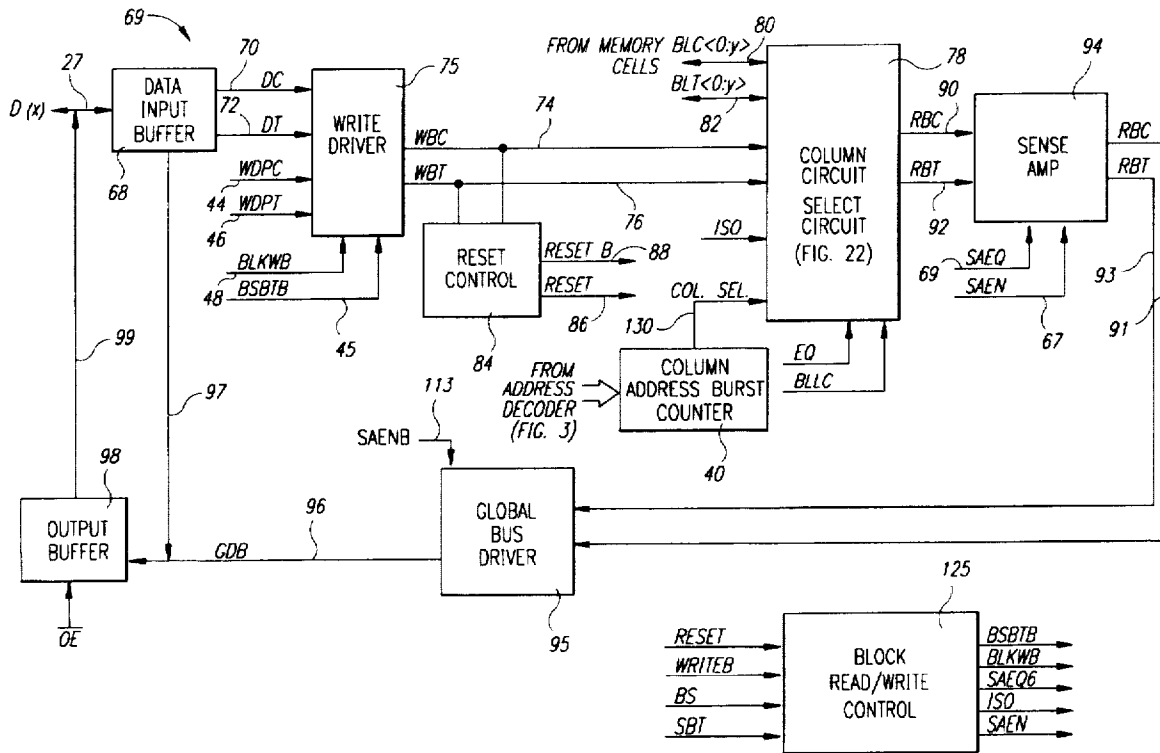
U.S. PATENT DOCUMENTS

5,124,951	6/1992	Slemmer et al.	365/230.06
5,261,064	11/1993	Wyland	395/400
5,282,173	1/1994	Miyaji et al.	365/230.06
5,315,548	5/1994	Ooishi et al.	365/230.06
5,319,759	6/1994	Chan	395/400
5,453,957	9/1995	Norris et al.	365/230.04
5,469,391	11/1995	Haraguchi	365/230.06

[57] ABSTRACT

A memory circuit has a plurality of data storage locations and an address associated with each data storage location. A first decoded address storage circuit stores a first decoded memory address and outputs the stored first decoded memory address. A second decoded address storage circuit stores a second decoded memory address and outputs the stored second decoded memory address. An address access circuit is coupled to the output of the first decoded address storage circuit and accesses the data storage location associated with the first decoded memory address in response to the first decoded memory address being output from the first decoded address storage circuit. A control circuit is coupled to the first decoded address storage circuit for controlling the transfer of decoded memory address information from the second decoded address storage circuit to the first decoded address storage circuit.

13 Claims, 22 Drawing Sheets



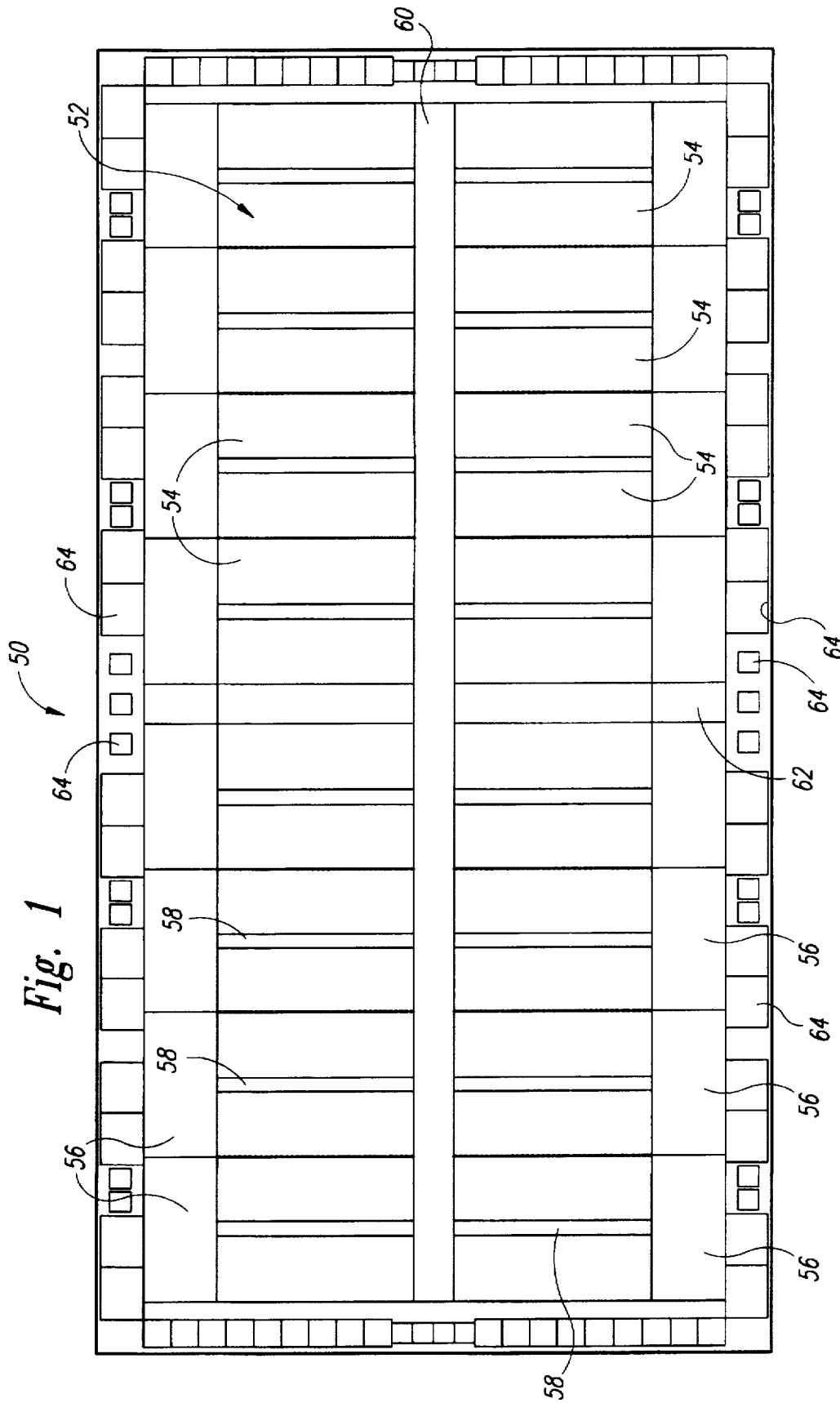


Fig. 1

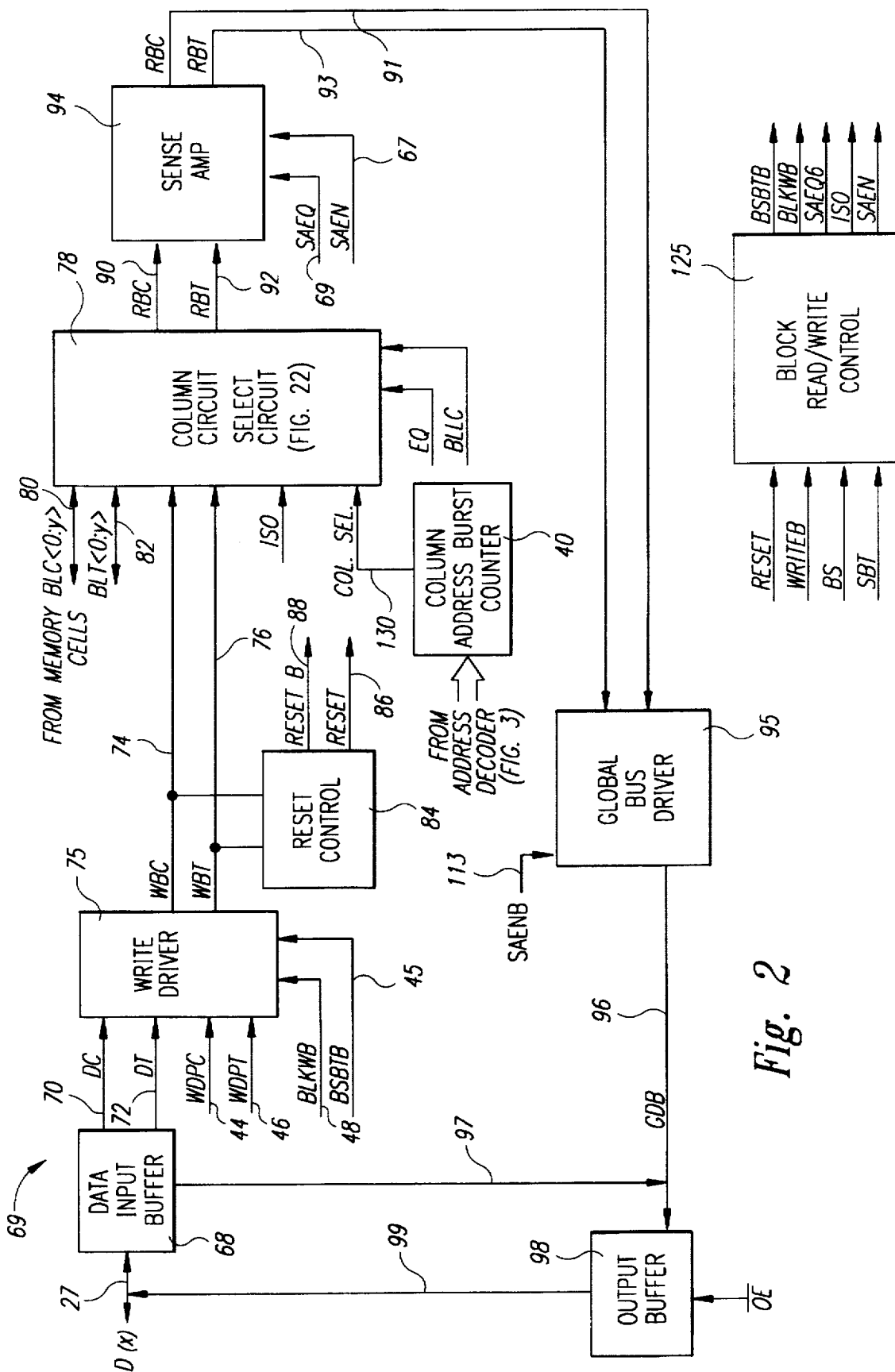


Fig. 2

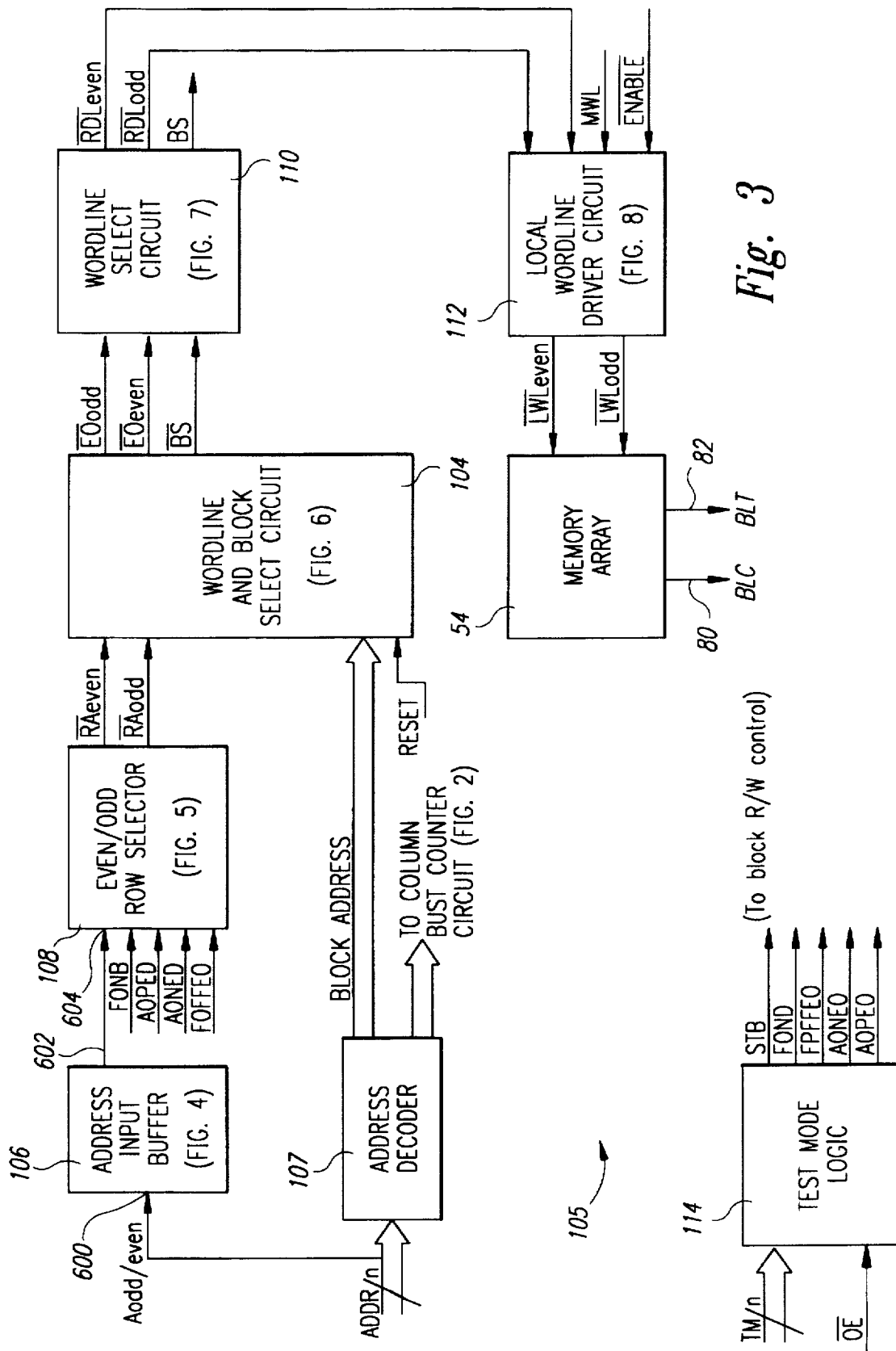


Fig. 3

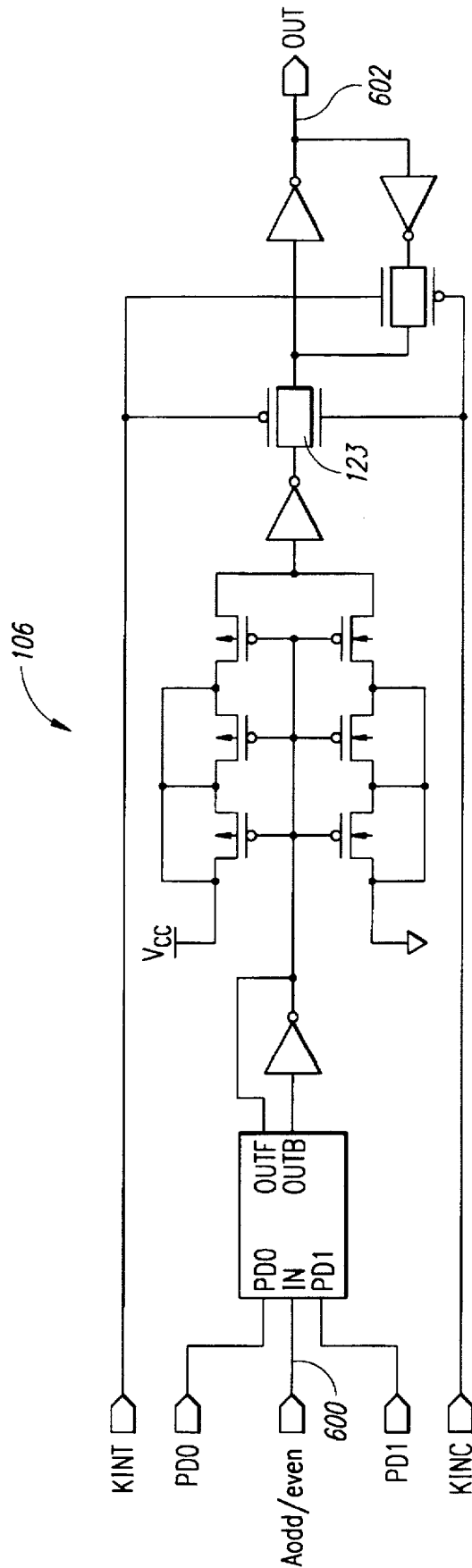


Fig. 4

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.