US005566337A

United States Patent [19]

Szymanski et al.

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[45] Date of Patent: Oct. 15, 1996

[54] **METHOD AND APPARATUS FOR DISTRIBUTING EVENTS IN AN OPERATING SYSTEM**

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[73] Assignee: **Apple Computer, Inc.**, Cupertino, Calif.

[21] Appl. No.: **242,204**

[22] Filed: **May 13, 1994**

[51] **Int. Cl.**[6] **G06F 9/00**

[52] **U.S. Cl.** **395/733**; 395/650; 395/700

[58] **Field of Search** 395/650, 725, 395/700, 775

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Primary Examiner—Jack B. Harvey
Assistant Examiner—Sumati Lefkowitz
Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis

[57] **ABSTRACT**

In a computer including an operating system, an event producer for generating an event and detecting that an event has occurred in the computer and an event consumer which need to be informed when events occur in the computer, a system for distributing events including a store for storing a specific set of events of which the at least one event consumer is to be informed, an event manager control unit for receiving the event from the event producer, comparing the received event to the stored set of events, and distributing an appropriate event to an appropriate event consumer, and a distributor for receiving the event from the control unit and directing the control unit to distribute an appropriate event to an appropriate event consumer.

24 Claims, 10 Drawing Sheets

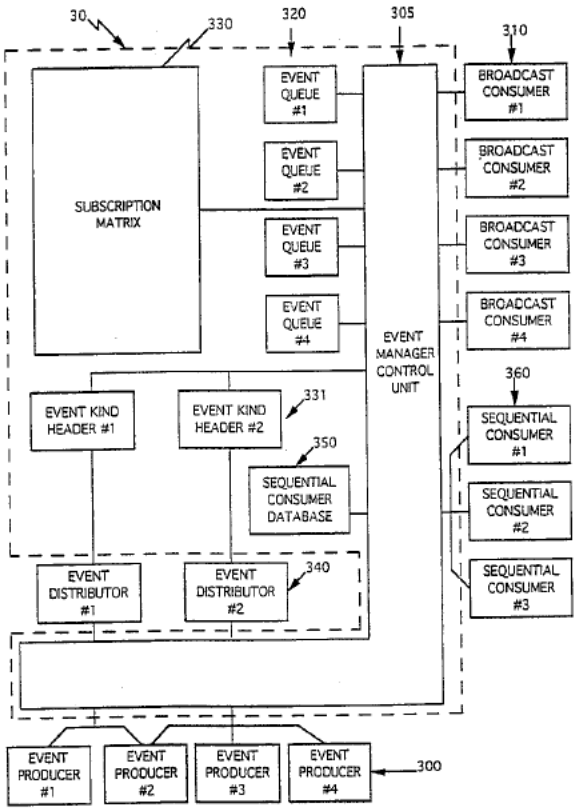

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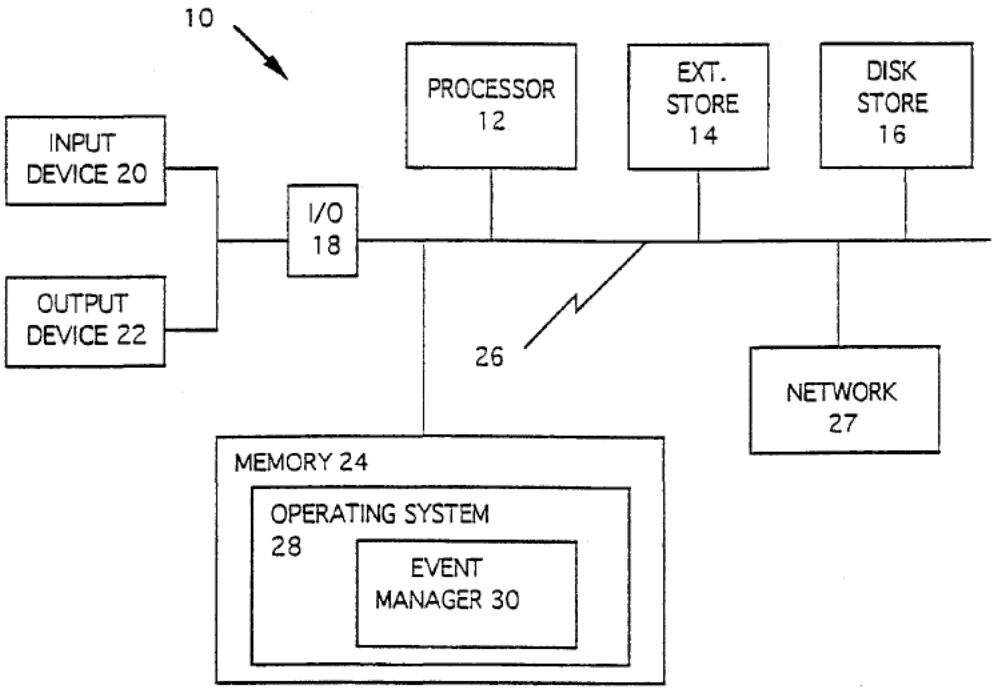
FIG. 1



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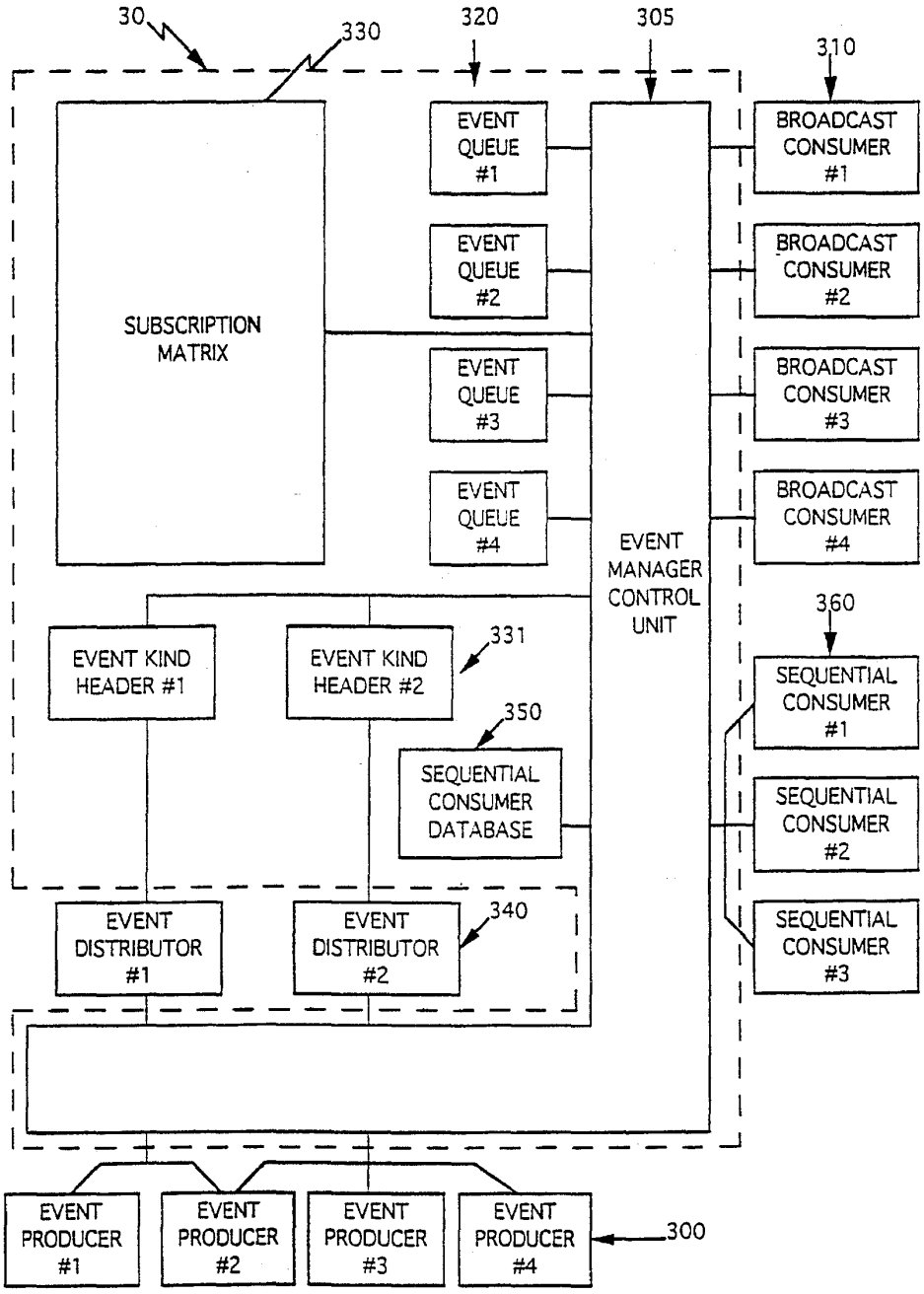

FIG. 2

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FIG. 3

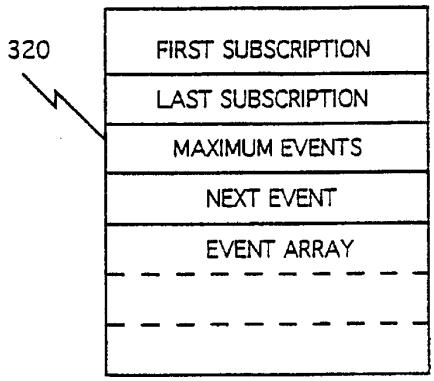


FIG. 6

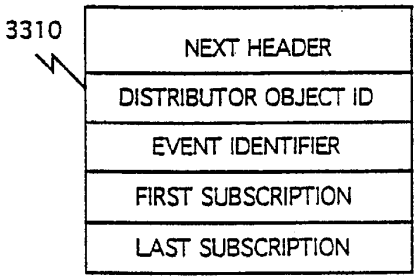


FIG. 5a

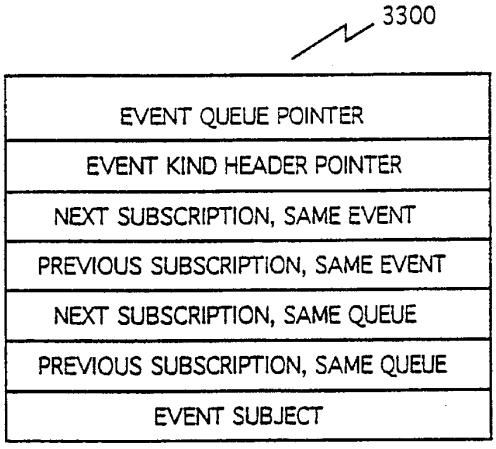


FIG. 7

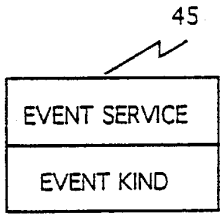


FIG. 8

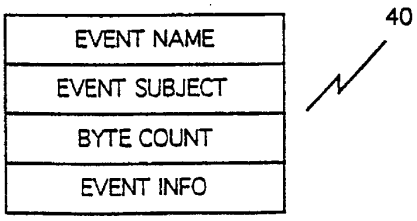
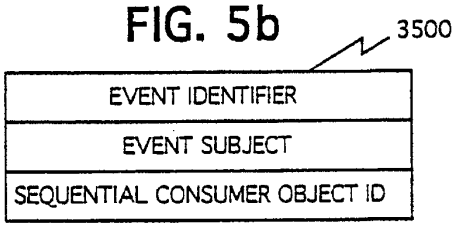


FIG. 5b



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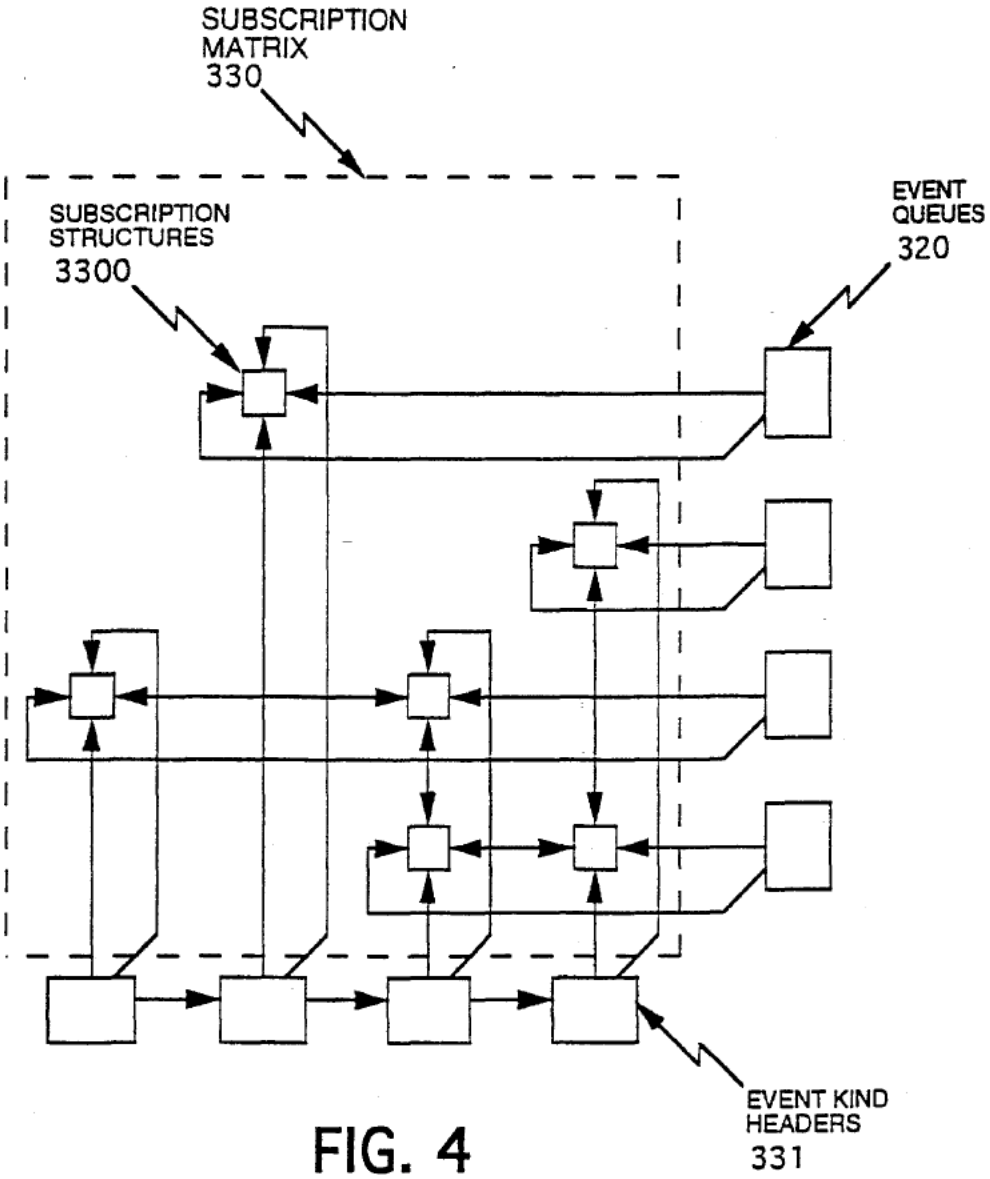

FIG. 4

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