



[54] SYSTEM FOR DOCKING A PORTABLE COMPUTER TO A HOST COMPUTER WITHOUT SUSPENDING PROCESSOR OPERATION BY A DOCKING AGENT DRIVING THE BUS INACTIVE DURING DOCKING

Table with 4 columns: Patent No., Date, Inventor, and Patent No. (e.g., 5,323,291 6/1994 Boyle et al. 361/683)

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FOREIGN PATENT DOCUMENTS

[73] Assignee: Advanced Micro Devices, Inc., Austin, Tex.

Table with 4 columns: Patent No., Date, Office, and Patent No. (e.g., 0426134A2 5/1991 European Pat. Off.)

[21] Appl. No.: 255,663

OTHER PUBLICATIONS

[22] Filed: Jun. 9, 1994

HPSIR, Special Infrared Communications Specification, introduction pages and pp. 1-9.

Related U.S. Application Data

Primary Examiner—Thomas C. Lee

[63] Continuation-in-part of Ser. No. 217,951, Mar. 25, 1994, abandoned.

Assistant Examiner—Ki S. Kim

Attorney, Agent, or Firm—Foley & Lardner

[51] Int. Cl. G06F 13/14; G06F 13/20; G06F 13/36; G06F 13/40

[57] ABSTRACT

[52] U.S. Cl. 395/283; 395/281; 395/287; 395/288; 364/231.1; 364/240; 364/242.7

A computer system includes a bus arbiter for providing immediate access to a bus in response to an external requirement or event. In a dockable computer system capable of hot docking or warm docking, the bus arbiter grants exclusive, non-preemptive access to the buses to the docking agent which is capable of quieting (rendering inactive) the bus of the portable computer and docking station in response to a notice signal.

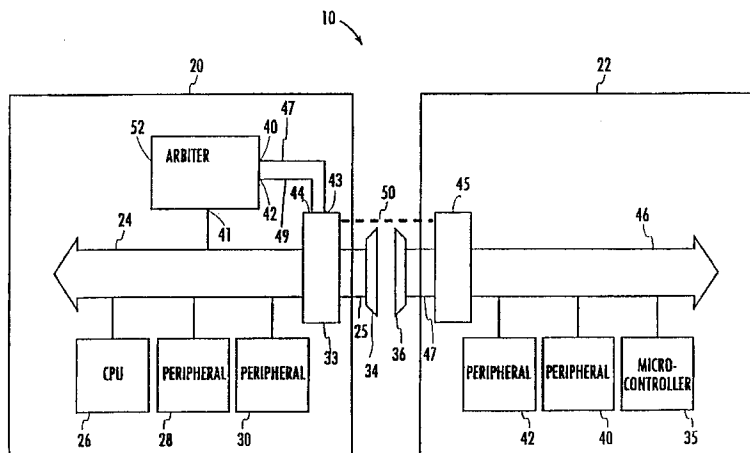
[58] Field of Search 395/750, 700, 395/283, 281, 287, 288; 364/231.1, 240, 242.7

[56] References Cited

U.S. PATENT DOCUMENTS

Table with 4 columns: Patent No., Date, Inventor, and Patent No. (e.g., 4,530,069 7/1985 Desrochers 395/822)

24 Claims, 6 Drawing Sheets



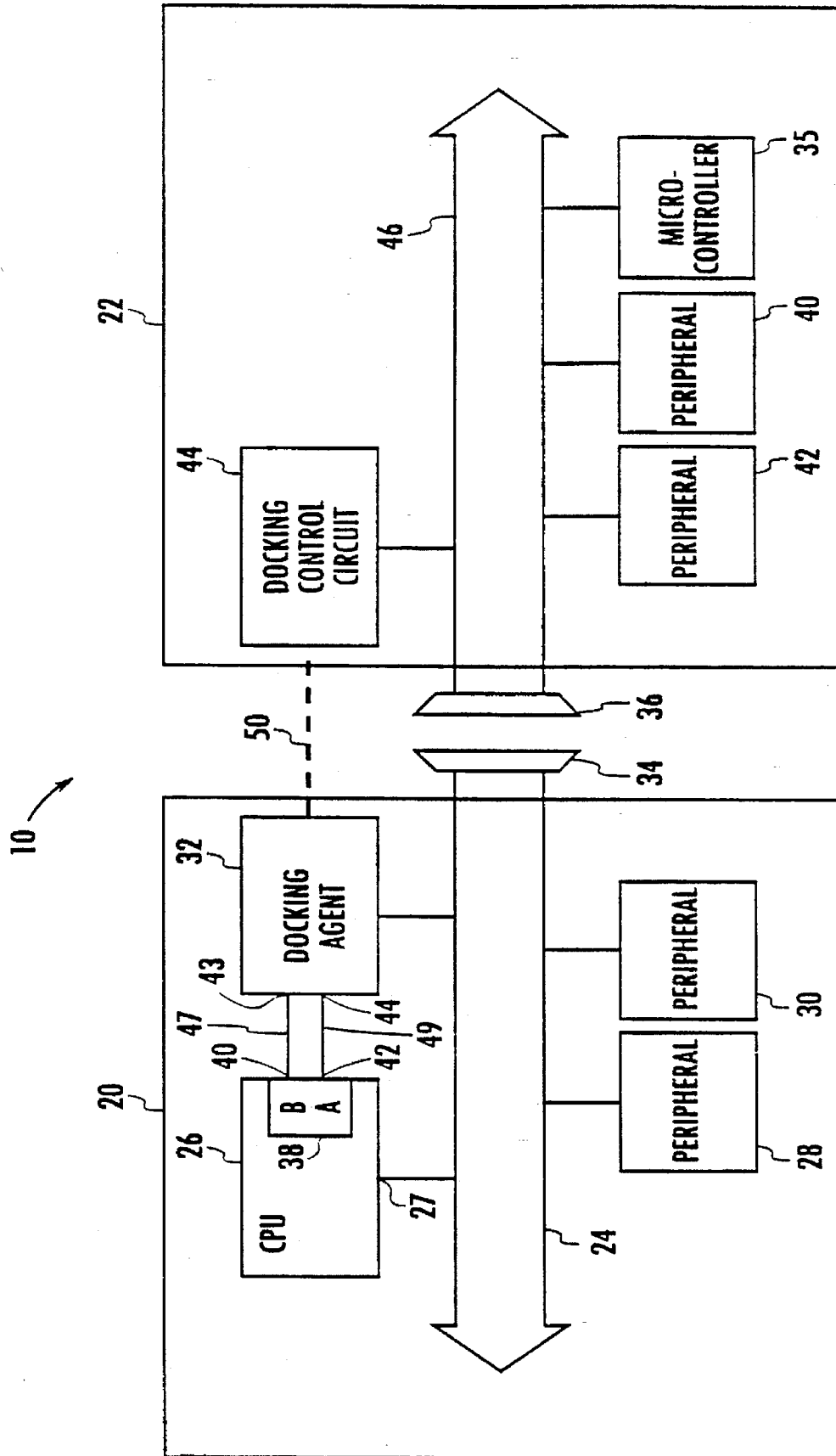


FIG. 1

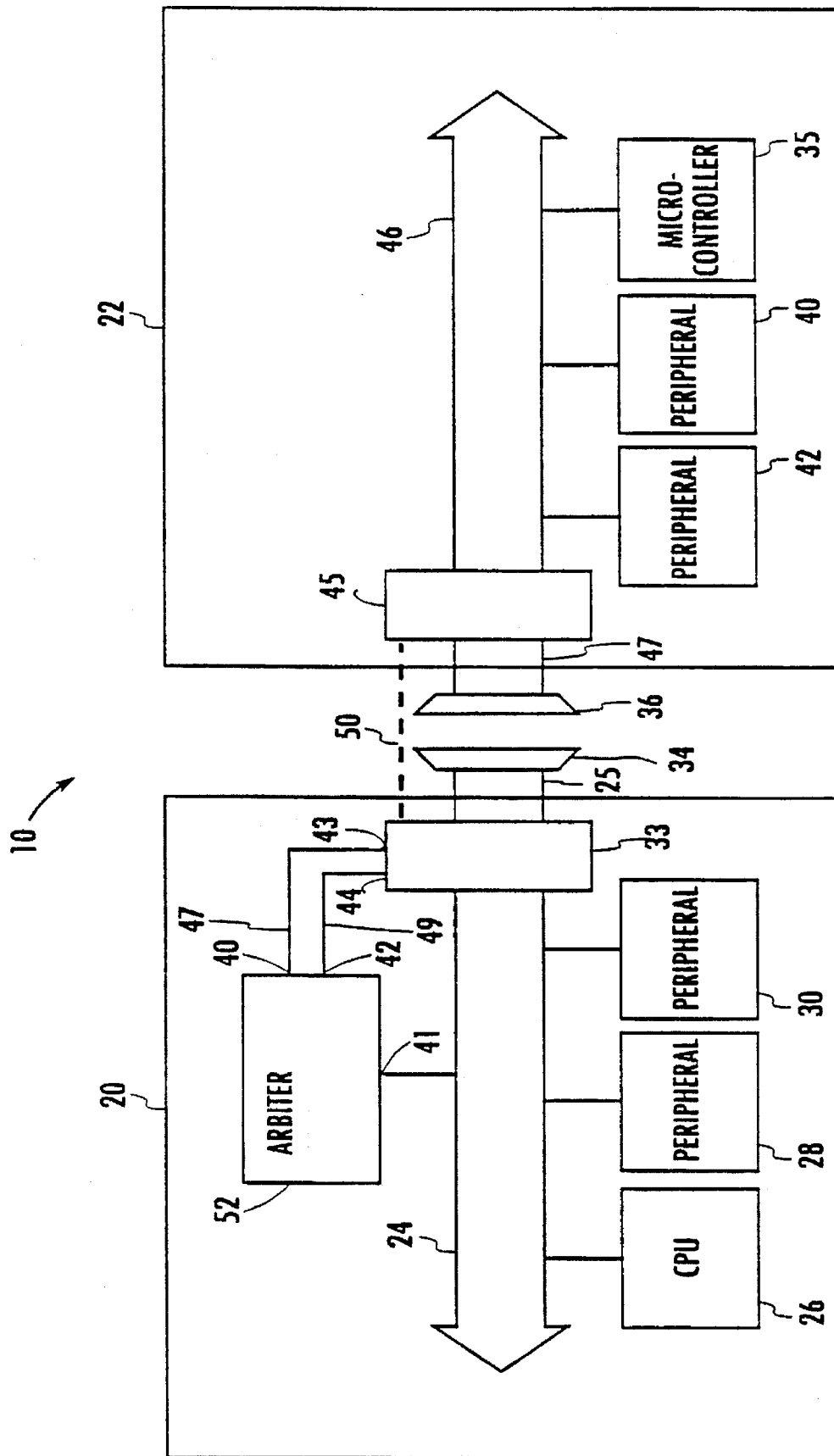


FIG. 2

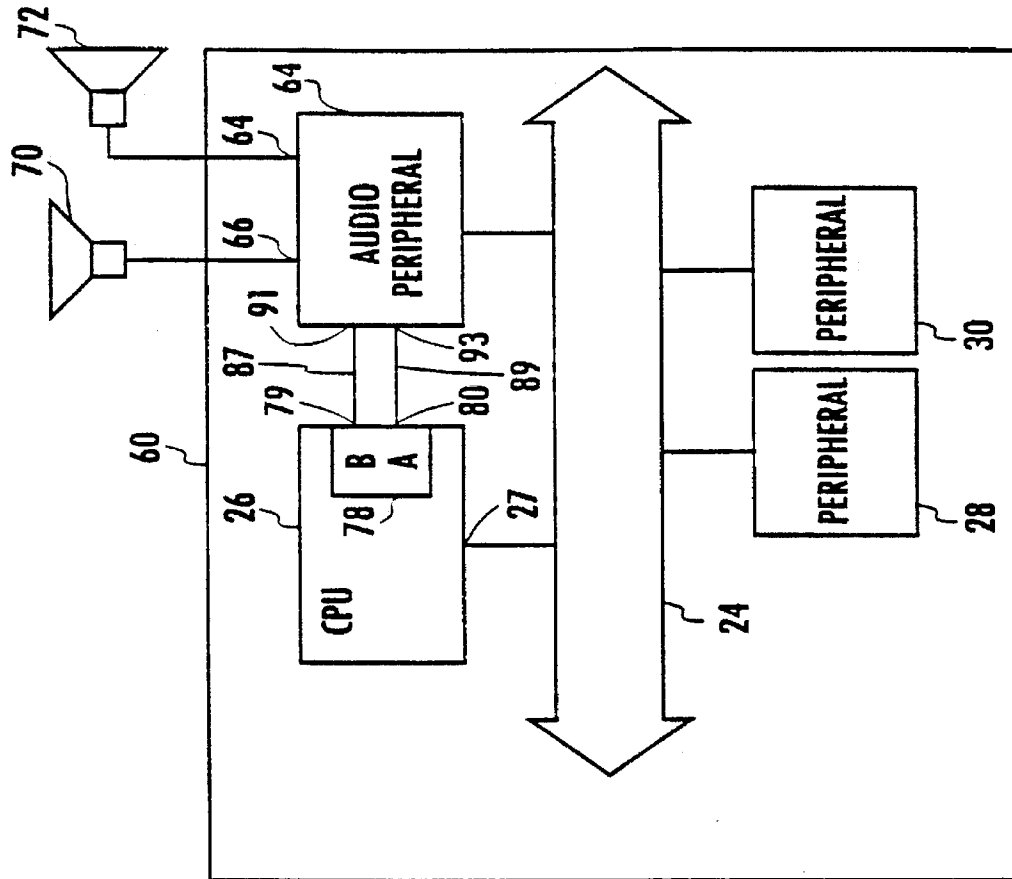


FIG. 3

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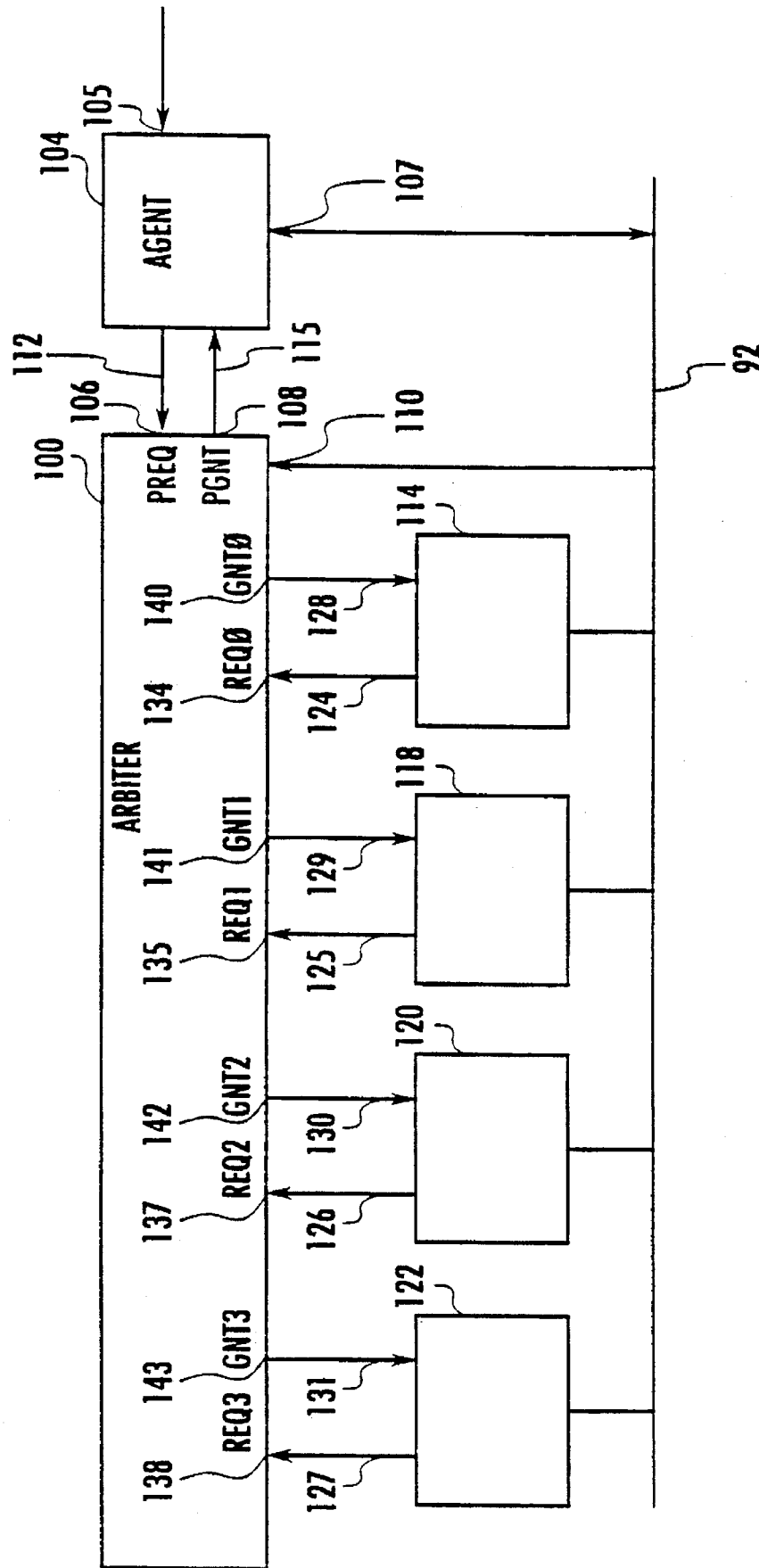


FIG. 4

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