



[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. containing references to Boyle et al., Fuoco et al., Lien et al., Shirota, Belmont, Shu, and Bowman.

[75] Inventors: Douglas D. Gephardt, Austin; Scott Swanstrom, Cedar Park, both of Tex.

FOREIGN PATENT DOCUMENTS

Table with 4 columns: Patent No., Date, Office, and Patent No. containing references to European Pat. Off. and WIPO.

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

OTHER PUBLICATIONS

[21] Appl. No.: 255,663

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

[22] Filed: Jun. 9, 1994

Related U.S. Application Data

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Assistant Examiner—Ki S. Kim

Attorney, Agent, or Firm—Foley & Lardner

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

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

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

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

[57] ABSTRACT

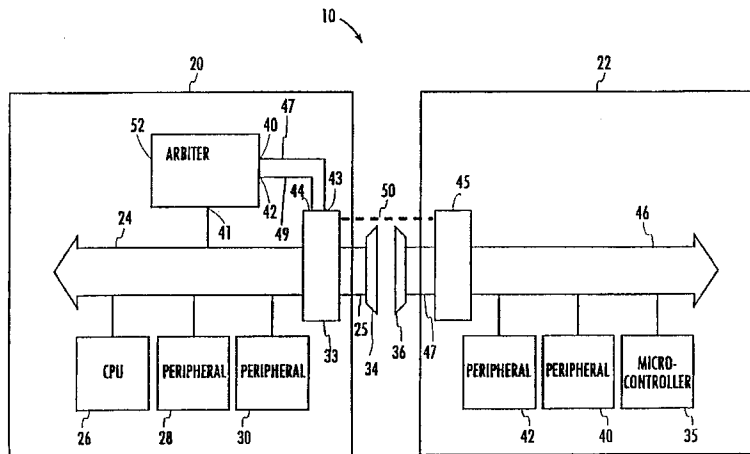
A computer system includes a bus arbiter for providing immediate access to a bus in response to an external requirement or event. In a dockable computer system capable of hot docking or warm docking, the bus arbiter grants exclusive, non-preemptive access to the buses to the docking agent which is capable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

[56] References Cited

U.S. PATENT DOCUMENTS

Table with 4 columns: Patent No., Date, Inventor, and Patent No. listing various U.S. patents such as Desrochers, Levanon, Daly et al., McNally et al., Herron et al., Davis, Morita, Sasaki, Spalding et al., Miller et al., Bartol, Natarajan et al., Canova, Jr. et al., Swindler et al., and Husak et al.

24 Claims, 6 Drawing Sheets



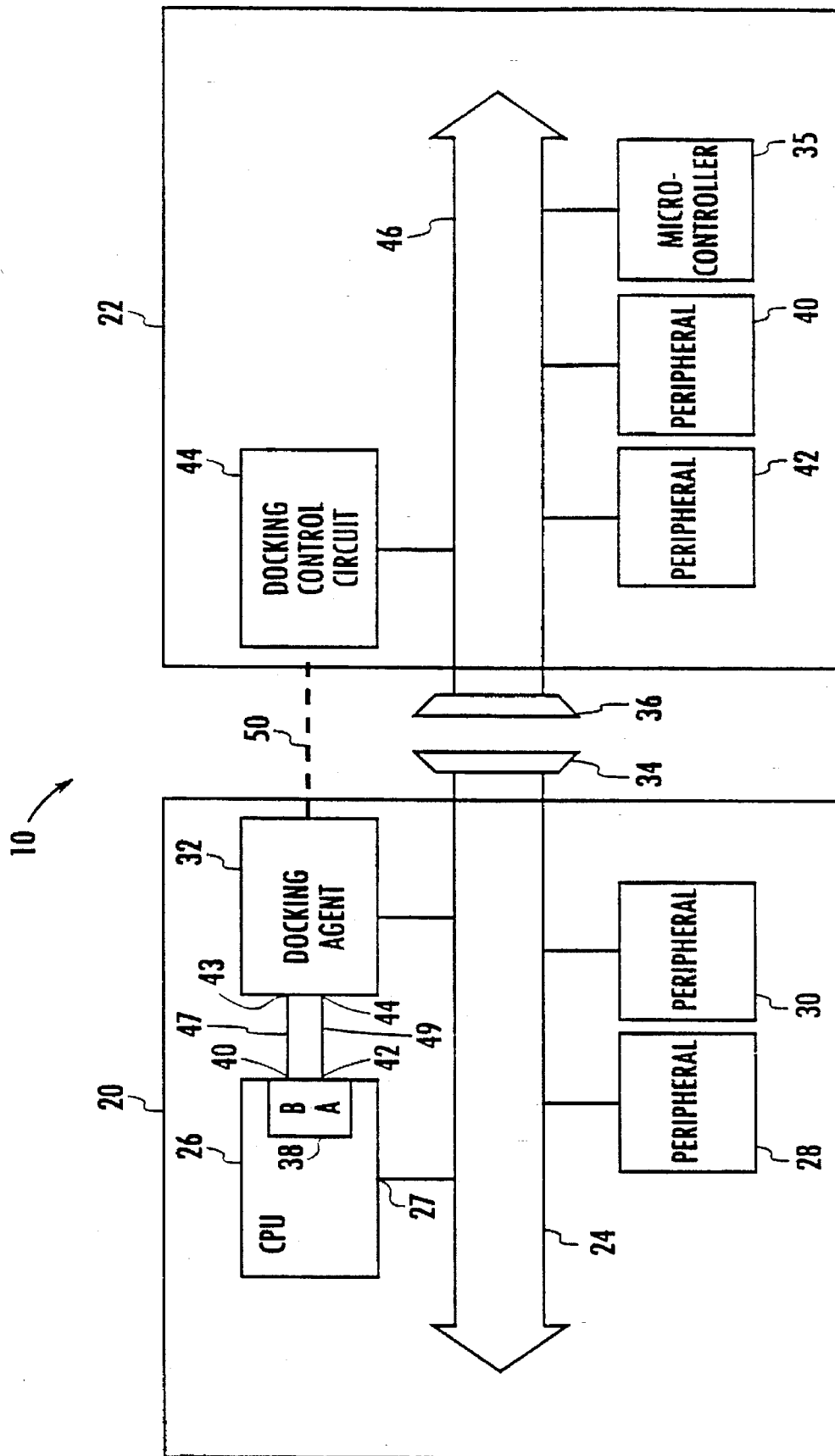


FIG. 1

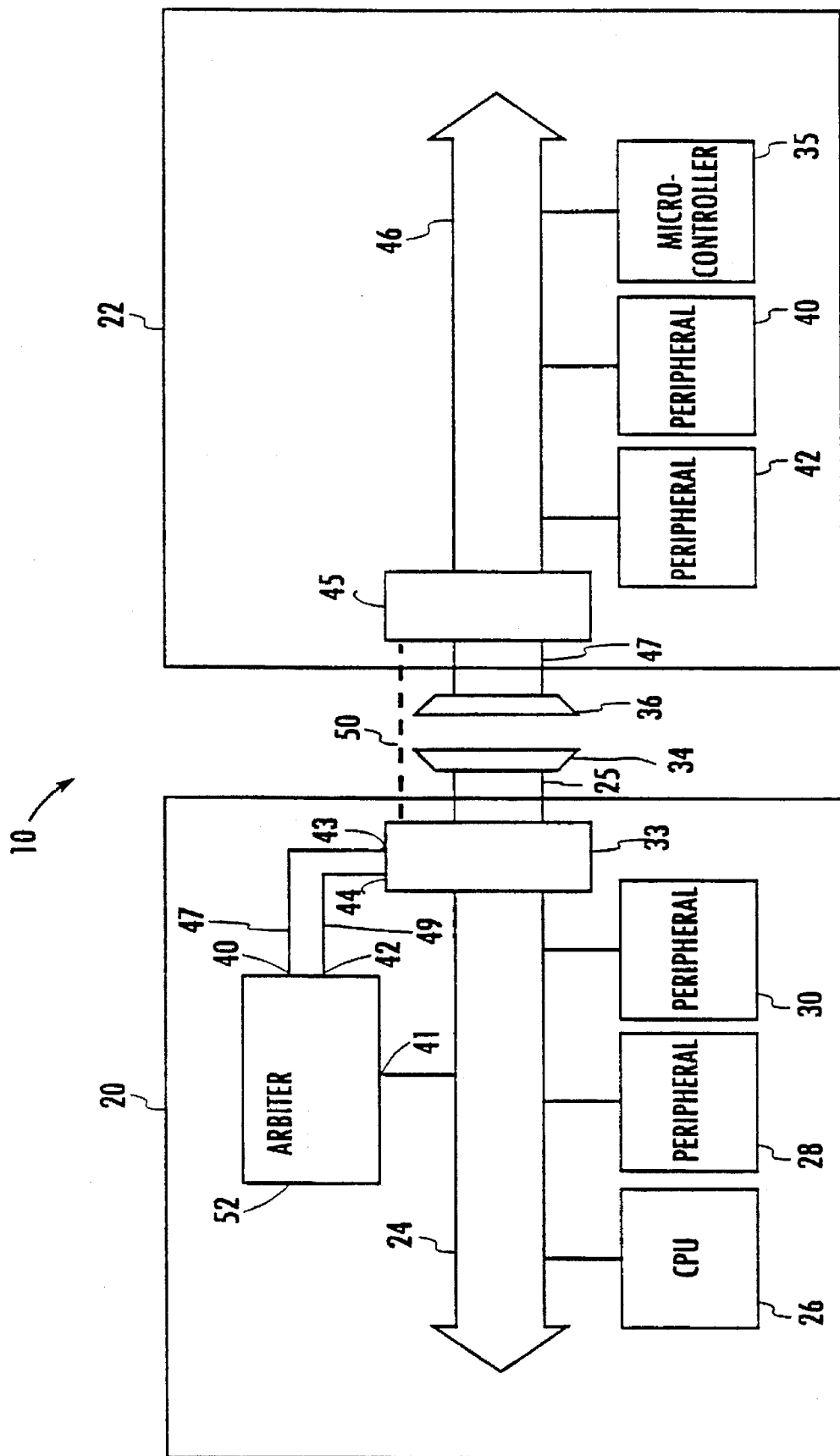


FIG. 2

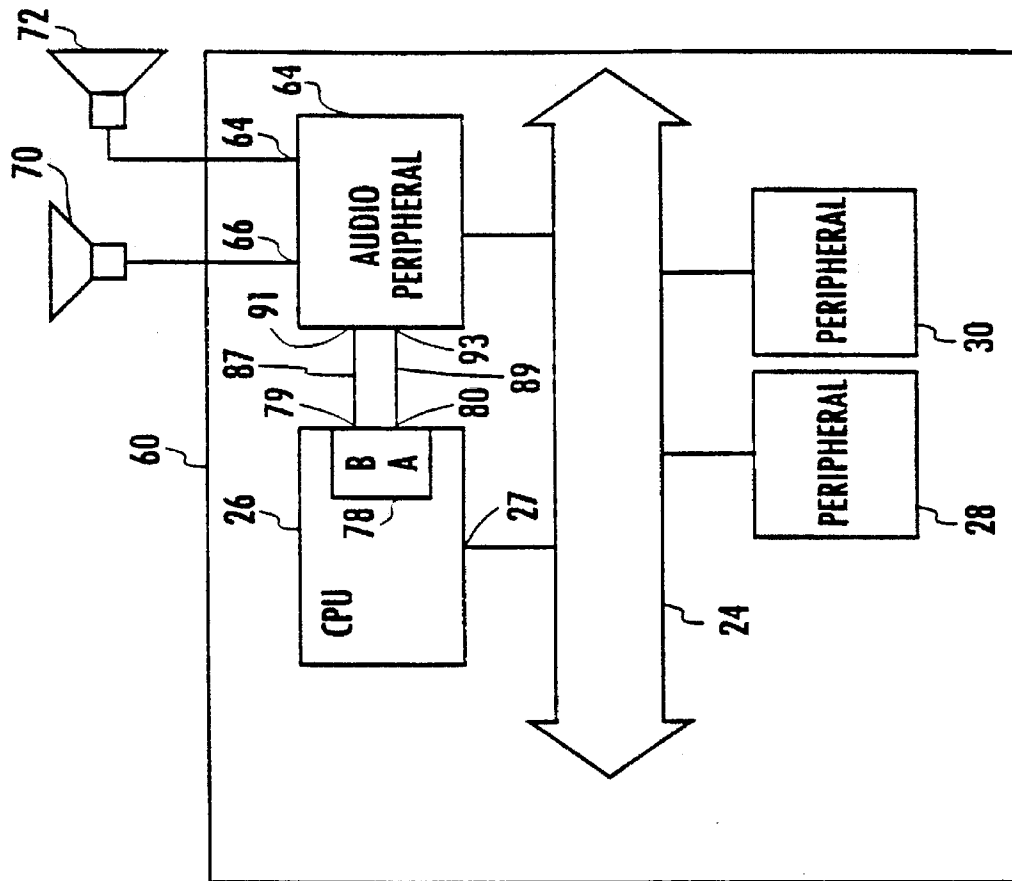


FIG. 3

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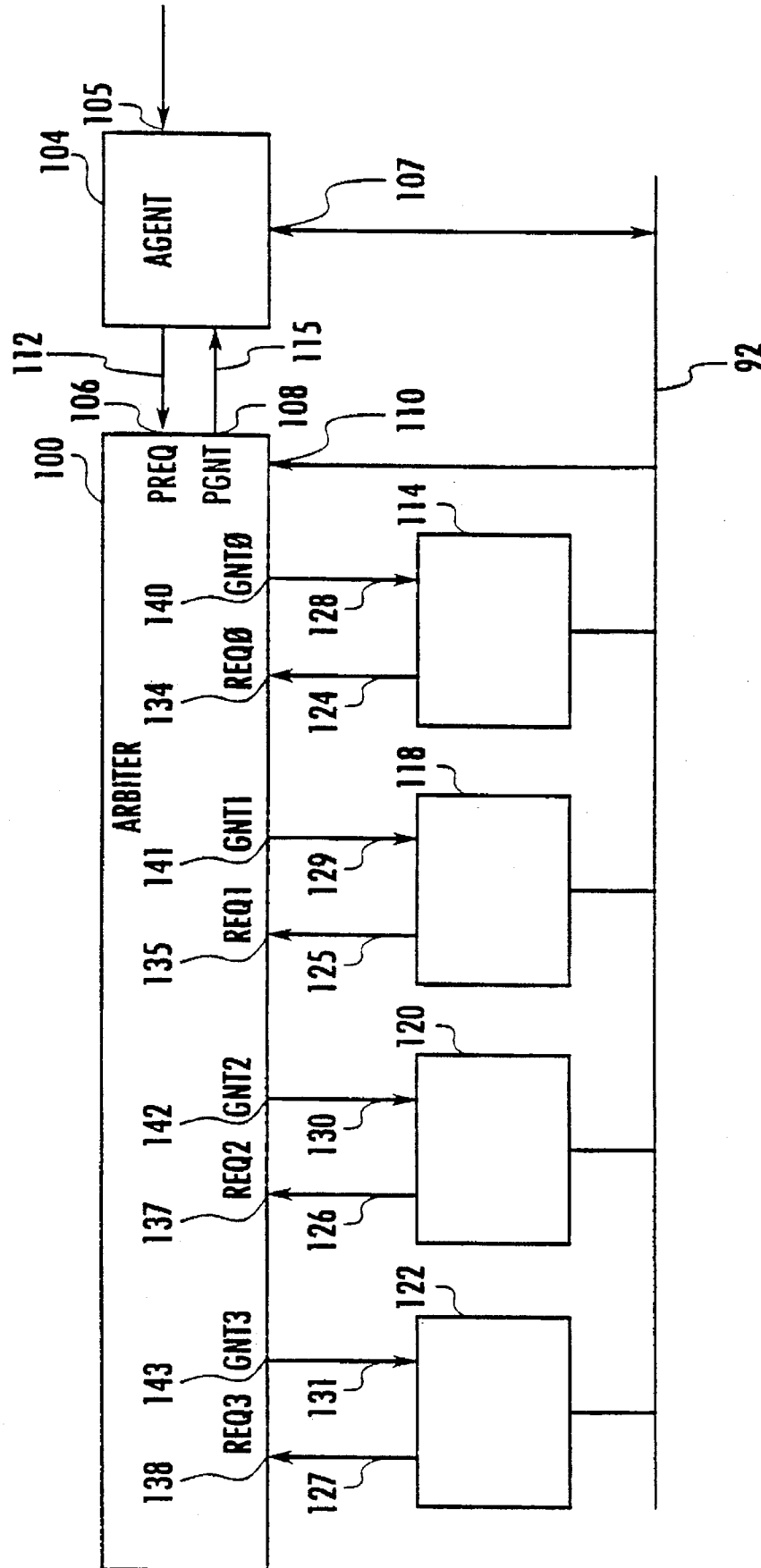


FIG. 4

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