

[54] **EXPANSION CARD INSERTION AND REMOVAL** 5,680,288 10/1997 Carey et al. 361/118

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[21] Appl. No.: **08/775,133**

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[22] Filed: **Dec. 31, 1996**

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[51] **Int. Cl.⁶** **G06F 13/00**

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[52] **U.S. Cl.** **710/103**

[58] **Field of Search** 397/282, 283, 397/293-305

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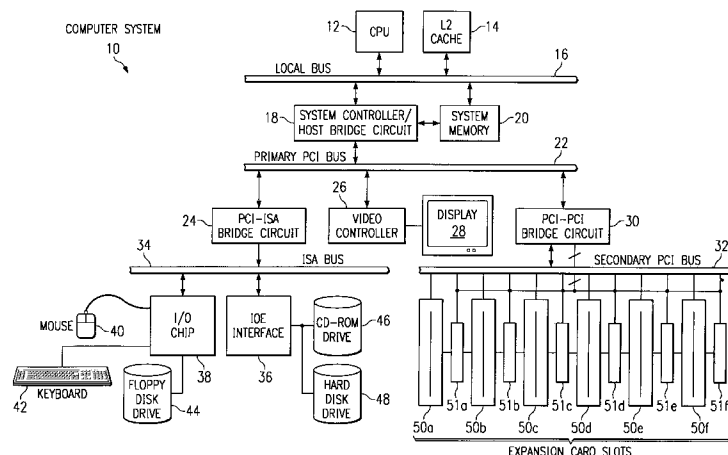
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Primary Examiner—Glenn A. Auve
Assistant Examiner—Paul R. Myers
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[57] **ABSTRACT**

The invention features a circuit card for use with a computer system having a card slot electrically connected to a bus. The card slot has electrical contacts corresponding to lines of the bus. The circuit card has a first pin positioned to extend into the card slot when the card is inserted into the slot and contact a first electrical contact of the slot corresponding to a communication line of the bus. The circuit card also has a second pin positioned to extend into the card slot when the card is inserted into the slot and contact a second electrical contact of the slot corresponding to a clock line of the bus before the first pin contacts the first electrical contact.

9 Claims, 11 Drawing Sheets



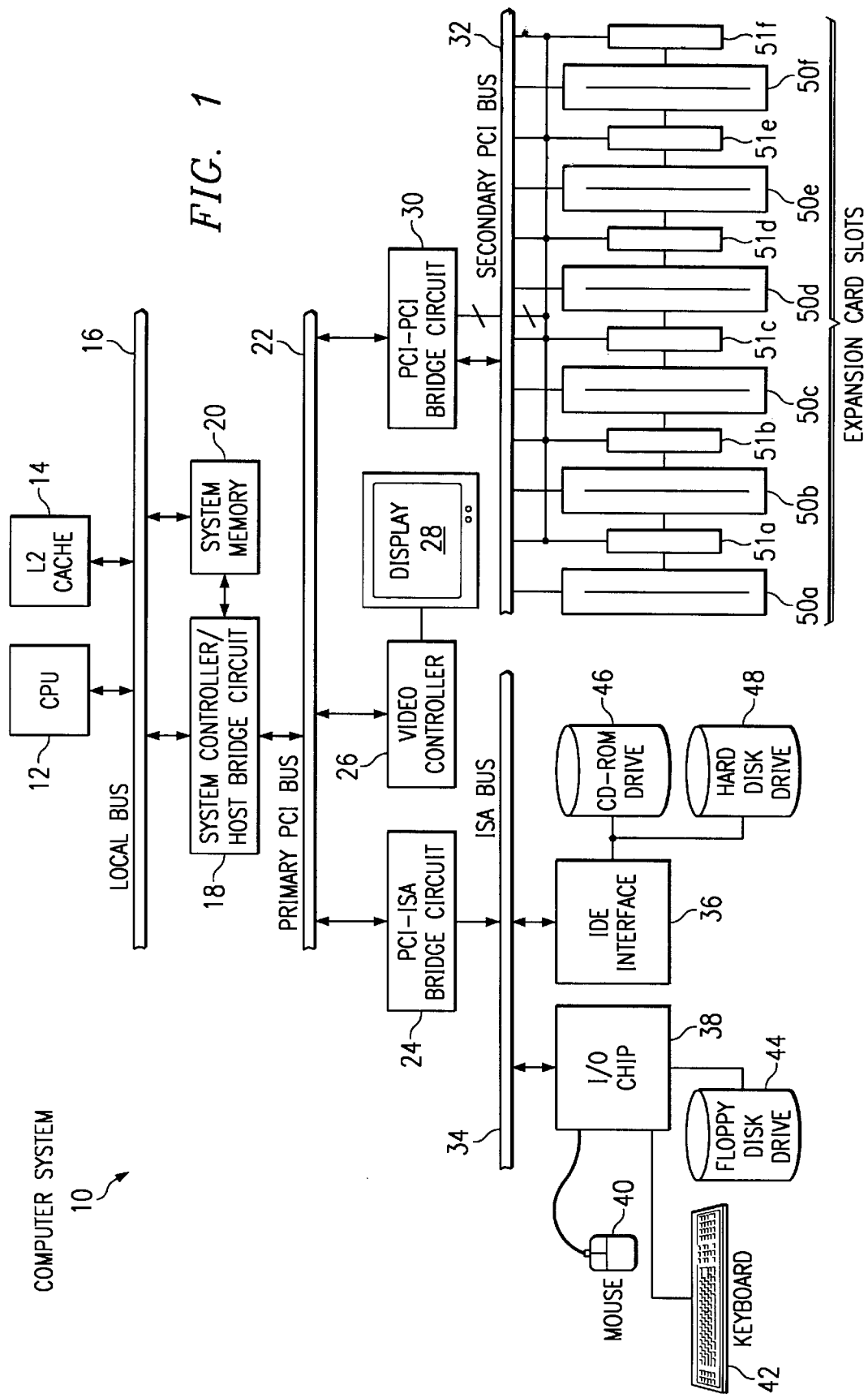


FIG. 1

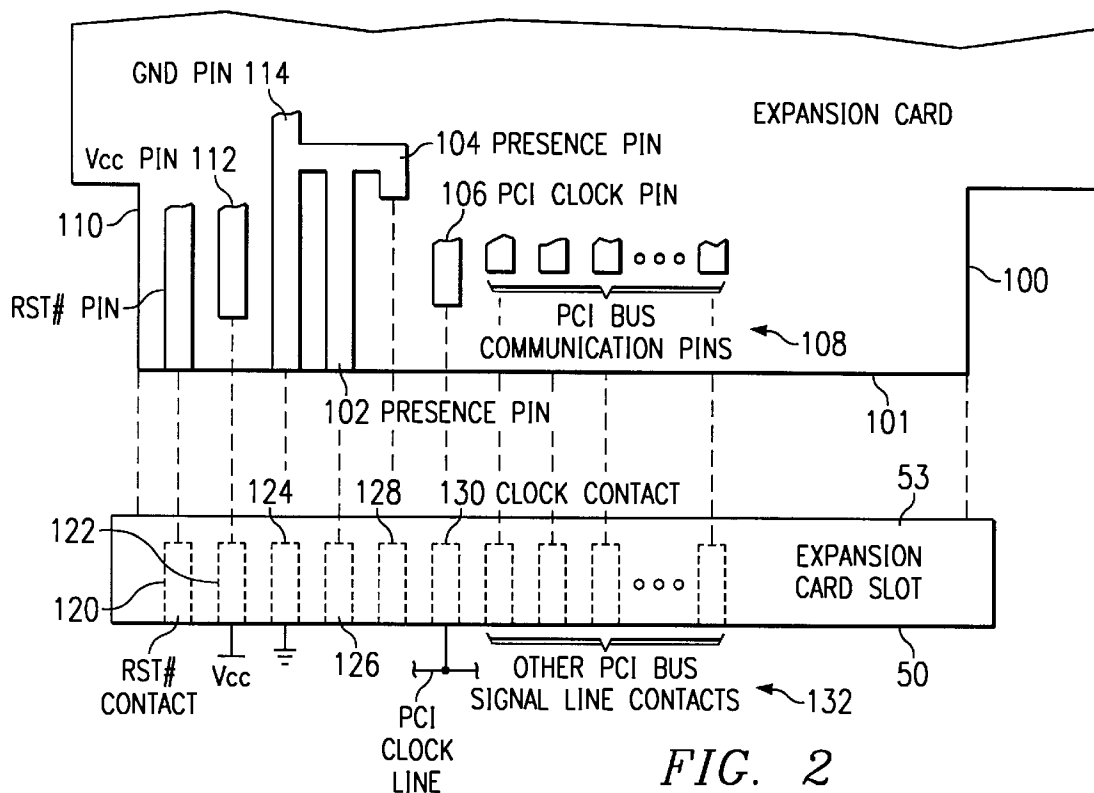


FIG. 2

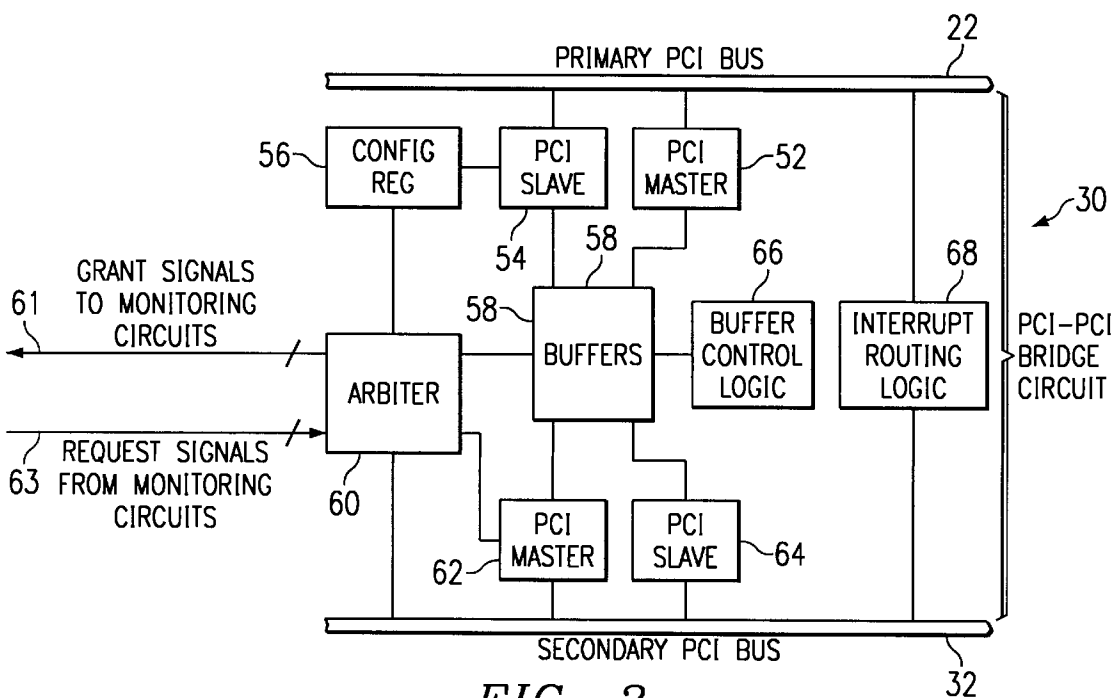


FIG. 3

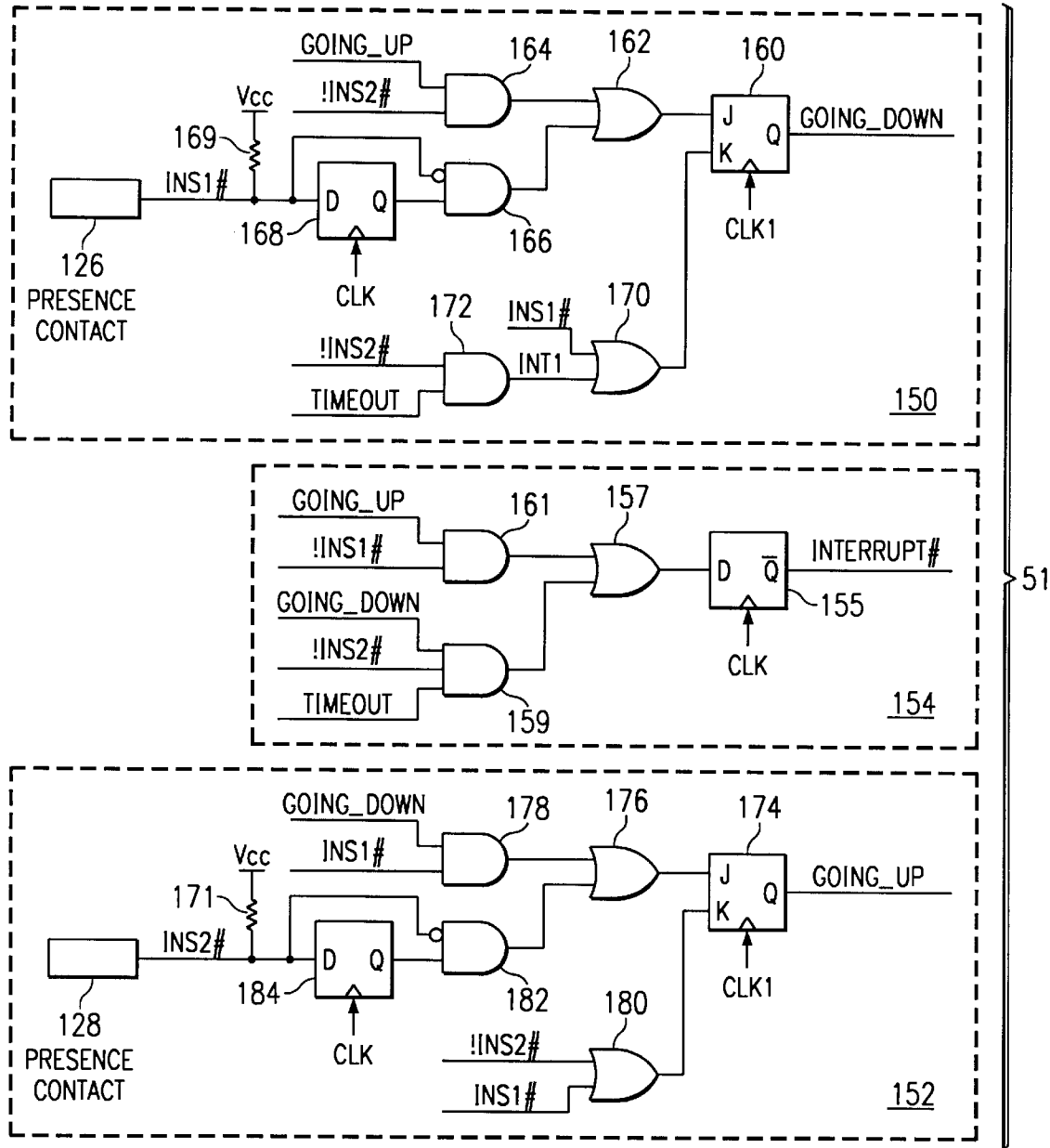


FIG. 4A

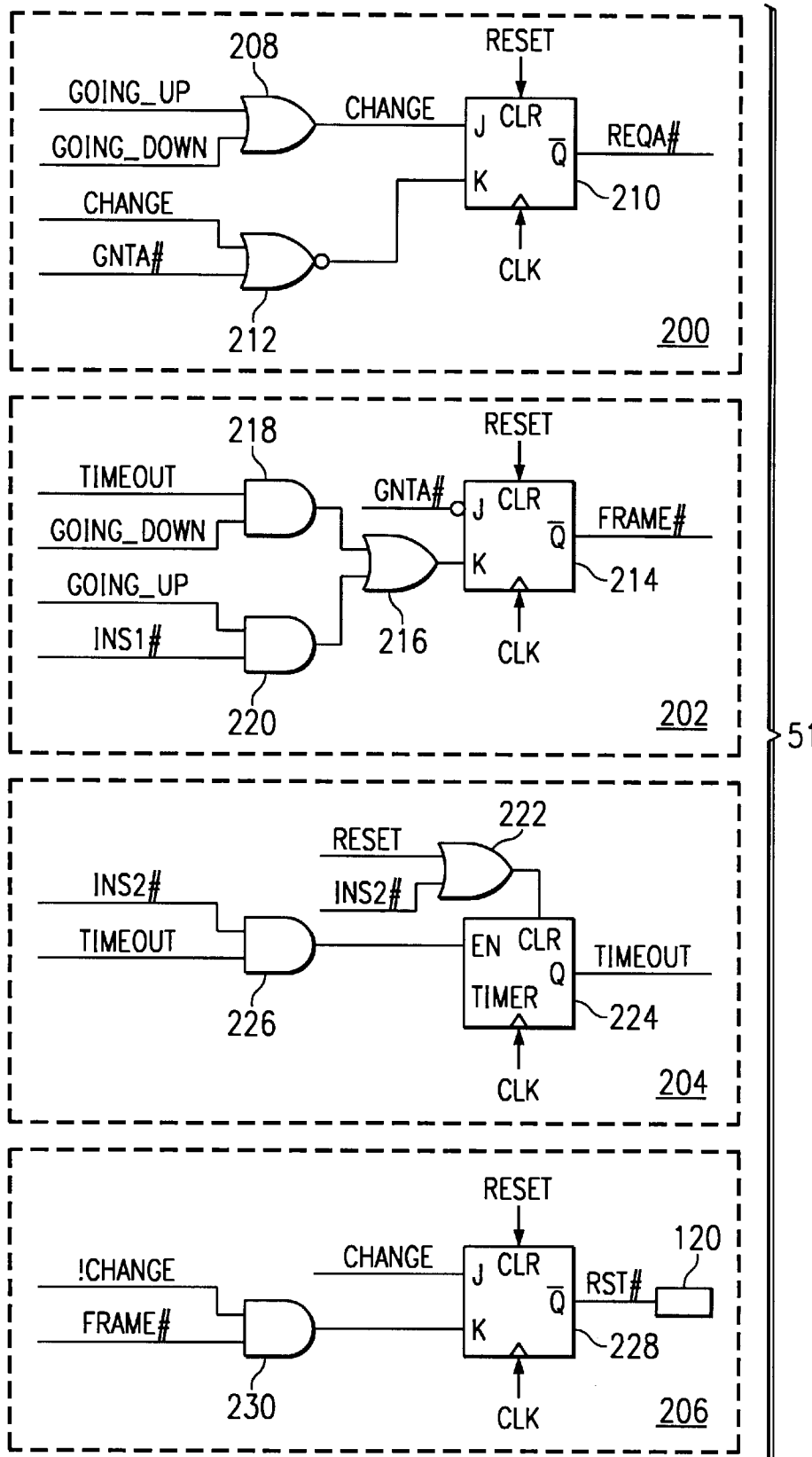


FIG. 4B

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