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United States Patent [19]
Goodrum

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- [54] EXPANSION CARD INSERTION AND REMOVAL
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[73] Assignee: Compaq Computer Corporation, Houston, Tex.
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[52] U.S. Cl. 710/103
[58] Field of Search 397/282, 283, 397/293-305

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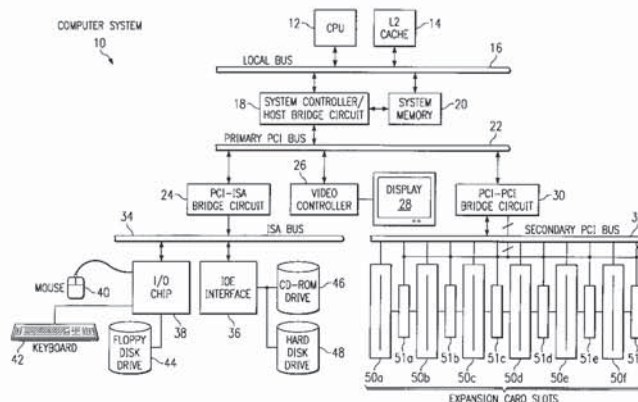
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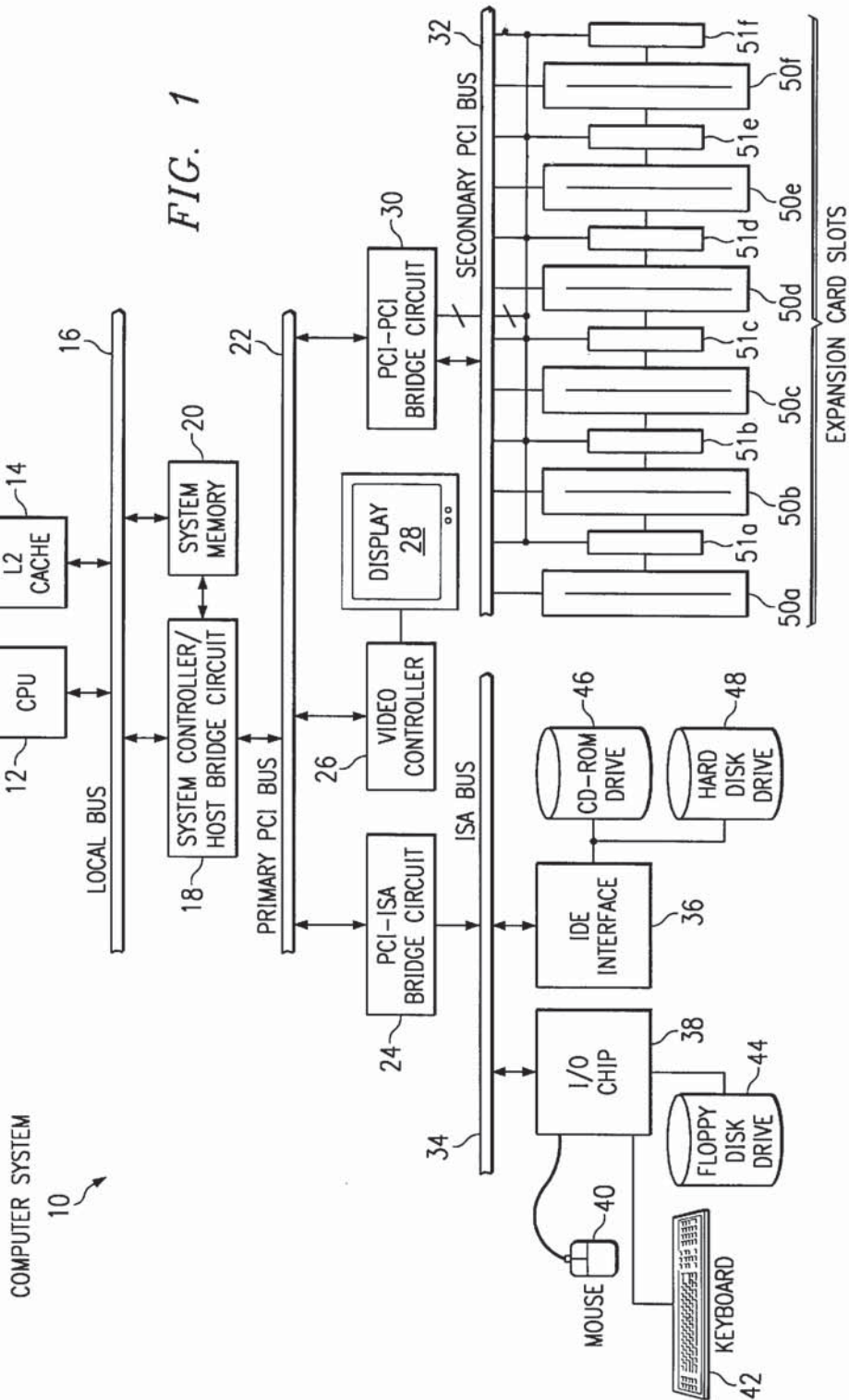
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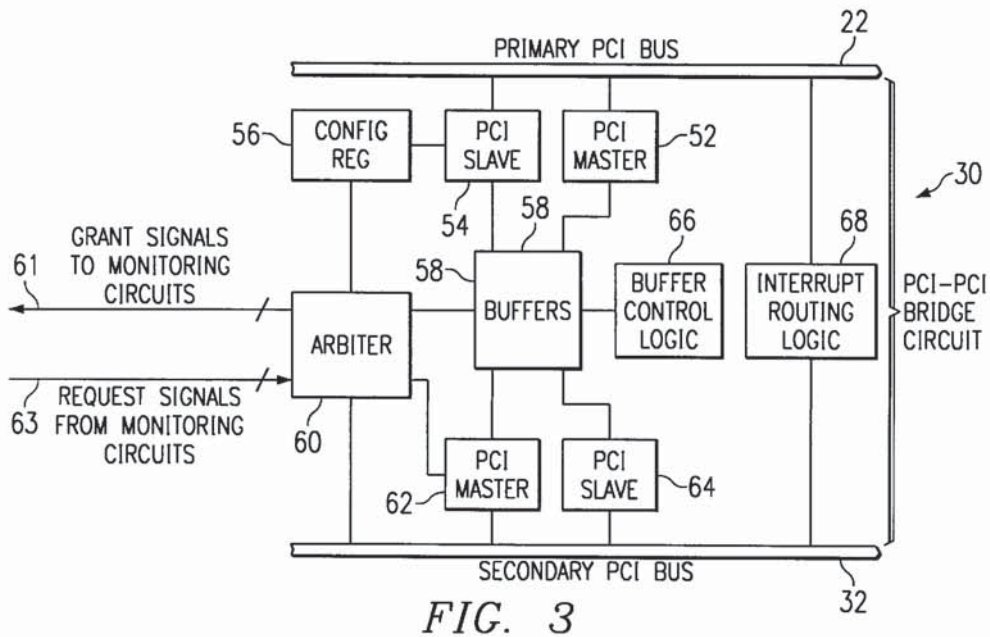
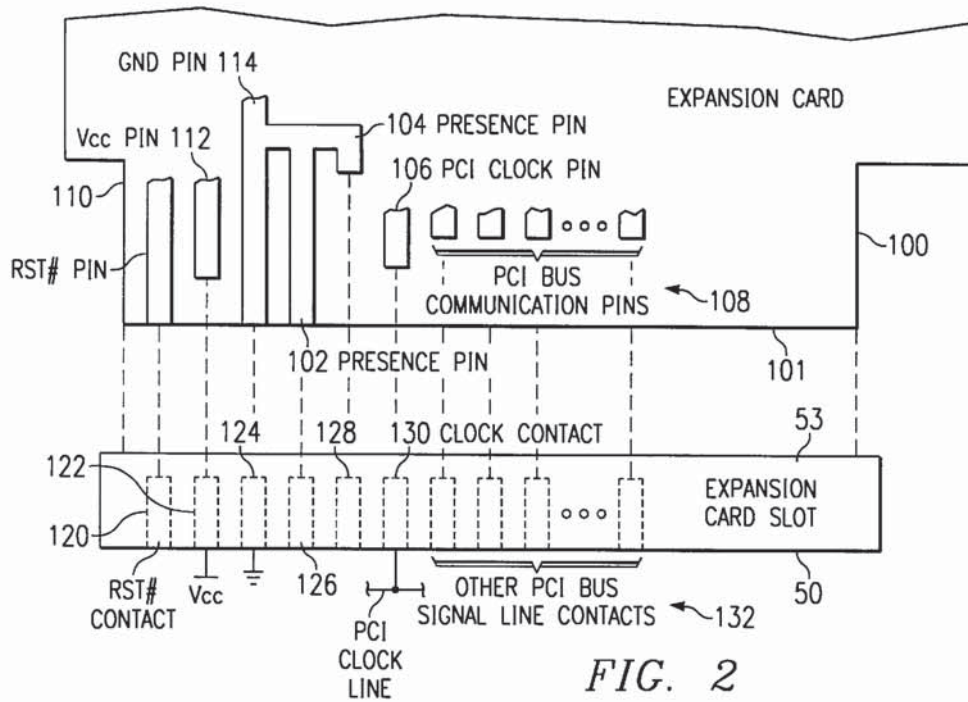
[57] ABSTRACT

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







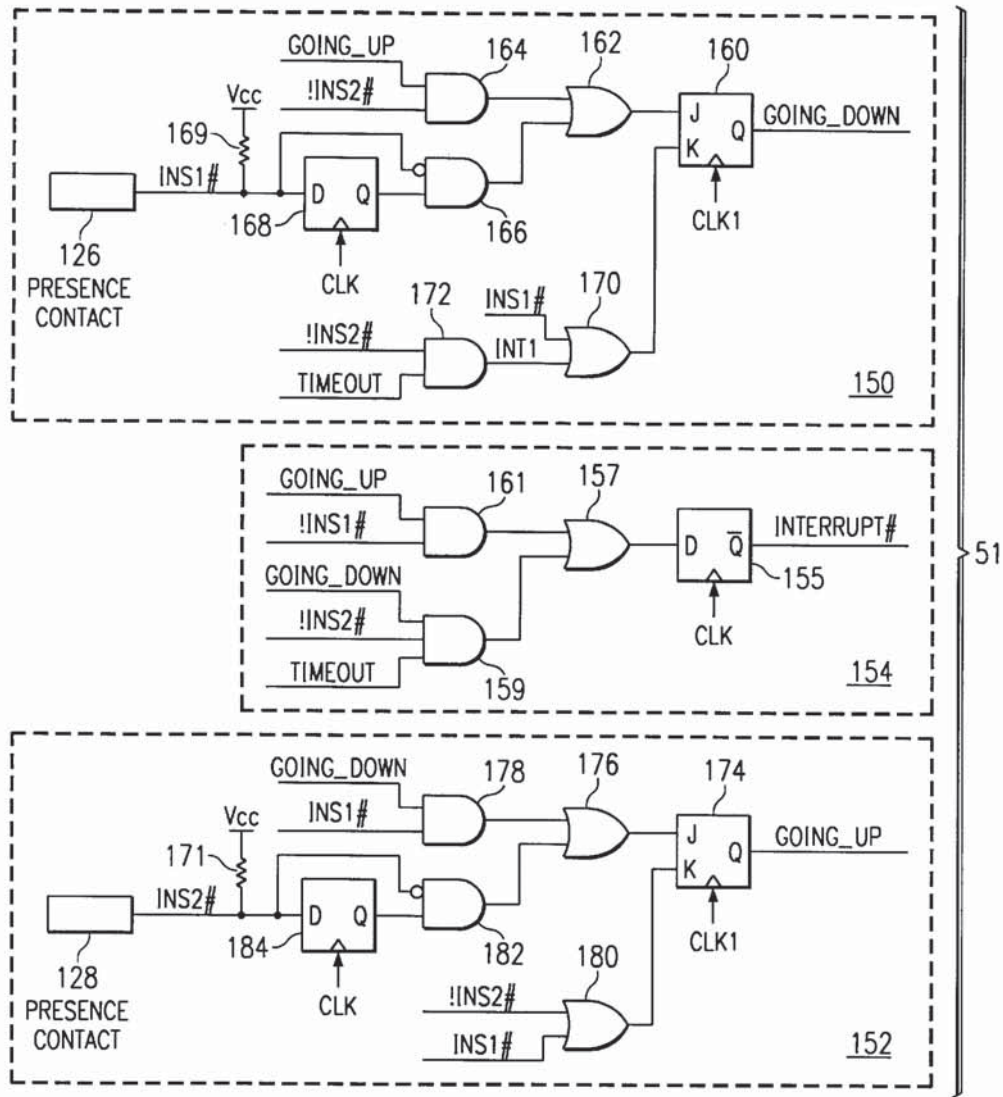
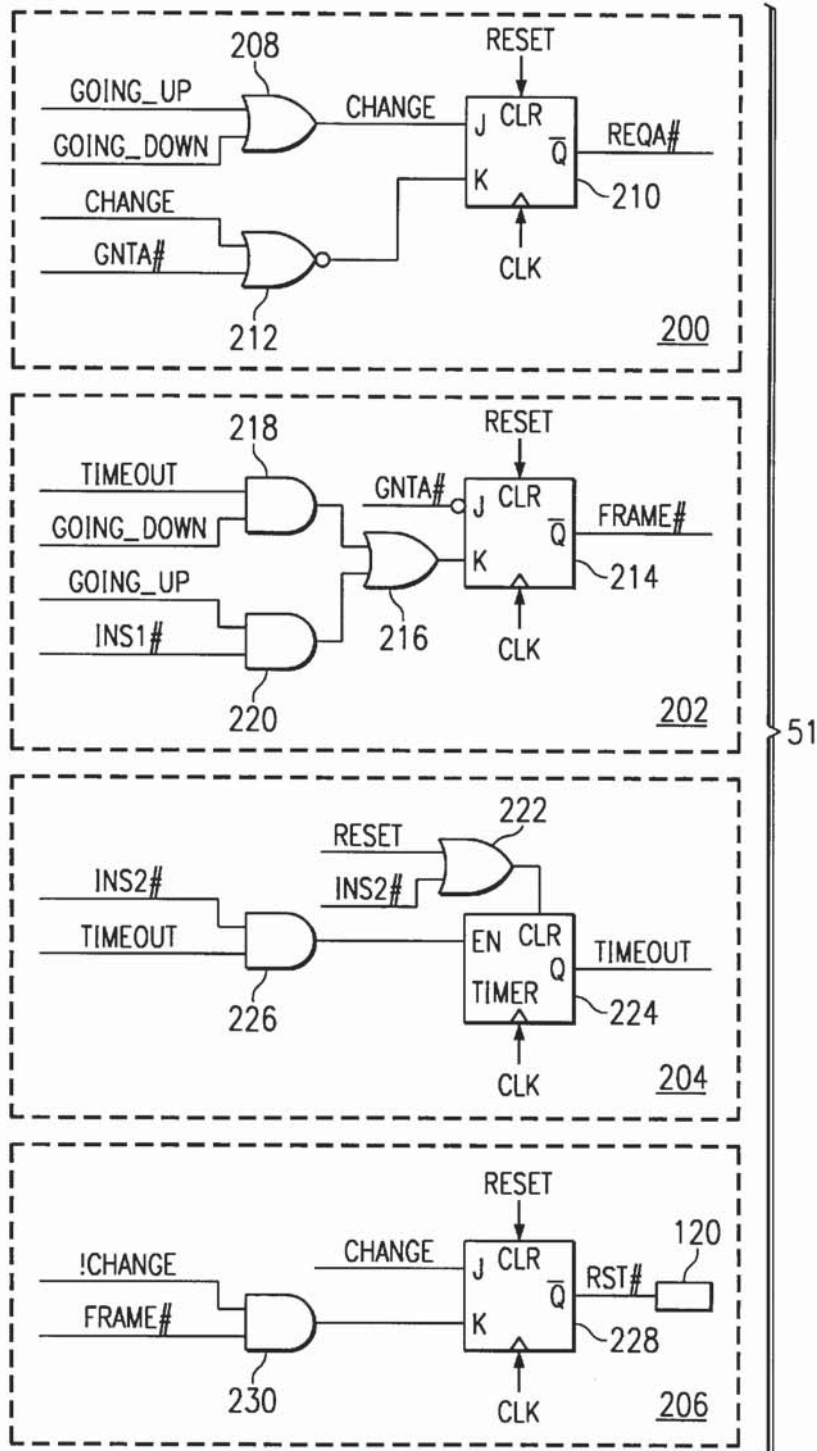


FIG. 4A



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