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(54) Title: METHOD FOR SECURITY PARTITIONING OF A COMPUTER SYSTEM

(57) Abstract

This invention describes a method for providing data security in a computer by creating computing modes between which there are no data communications. Each mode has its own hard disk drives, networks connections and phone line connections. A bus isolation unit connects each disk drive to a disk interface unit when enabled by its selection signal. An isolation unit connected to the computer is programmed with the various computing modes. The isolation unit provides power to the disk drives and mode selection signals to the bus isolation units as dictated by the selected computing mode. The isolation unit selects the networks and phone lines to be connected to the computer as required by the selected computing mode. To change computing modes the computer must first be powered off to insure that residual data is not carried over to the subsequent mode. Then the new mode is selected and the computer is powered back on.

