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(54) Title: APPARATUS AND METHOD FOR ALLOWING AN OPERATING SYSTEM TO PERSIST ACROSS A POWER OFF/ON CYCLE

(57) Abstract

A method of allowing an operating system of a computer system (20) to persist across a power off and on cycle is described. The method includes the step of detecting if the computer system (20) is to be powered off (51). If the computer system (20) is detected to be powered off, the state of the computer system (20) is then preserved by storing data representing the state of the computer system (20) in a designated area of a nonvolatile memory (23, 54). A system initialization code of the operating system is then replaced with new system initialization code that branches to restart code that accesses to the designated area of the nonvolatile memory (23, 55) such that when the computer system (20) is again powered on, the restart code accesses the designated area of the nonvolatile memory (23) for the data to restore the computer system (20) to the state before it was powered off.

