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DISK-BASED SOFTWARE IMAGE USE FROM A READ ONLY MEMORY DEVICE

ABSTRACT

Access to a disk based operating system (112) stored in a read only memory device (902) is provided by intercepting system requests for data from a disk based operating system and transforming those requests into ROM memory accesses. A device driver is inserted into the computer system to intercept disk based addresses generated through interrupts or direct system requests. The device driver remaps disk geometry based accesses into ROM memory based accesses. The system calls are intercepted and transformed from disk based to ROM based calls allowing a disk based operating system to execute from ROM without modification.

Figure 9

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