

ABSTRACT

A host device, a storage device, and a method employ a vendor unique command (VUC) authentication system. The storage device includes a memory and a memory controller which includes a VUC authentication module and controls the memory. The VUC authentication module transmits first memory information about the memory to the host device, receives from the host device a one-time password generated by the first memory information, verifies the one-time password, and receives a vendor unique command from the host device when the one-time password is correct.

FIG. 1