

Abstract

Method and Apparatus for Protecting Data in Computers

A method and apparatus for protecting user data stored in computers are disclosed. The invention allows a user to create and manage a secure virtual disk in a host computer based on the presence of two factors – a password and an external portable token. To access the secure virtual disk, said user must connect the correct external portable token to the host computer and input a correct password. Data files are encrypted using a token key before they are written into the secure virtual disk and are decrypted using the same said token key before they are read from the secure virtual disk.

Figure 1 to accompany publication.