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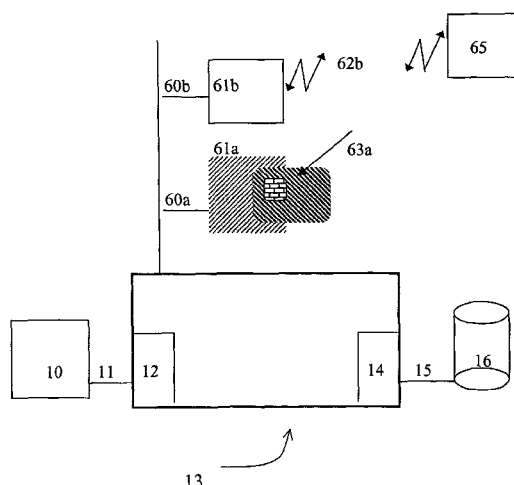
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(54) Title: METHOD AND DEVICE FOR ENCRYPTION/DECRYPTION OF DATA ON MASS STORAGE DEVICE



(57) Abstract: The present invention provides a method and device performing encryption/decryption of data on a mass storage media. A plurality of different encryption/decryption algorithms with associated keys can be utilised on different storage areas of the media, such as blocks/sectors on a hard disk drive, thereby increasing the security of the data significantly. In addition, the present invention provides a method and device that combines said keys with random numbers for a further increase of the security of the data. In a preferred embodiment of the invention, the block/sector number is used to select an algorithm with associated key and random number. The present invention can also be utilised to encrypt/decrypt e-mails, networking traffic etc. and other types of electronic data. In addition, said device provides an authentication session when booting a computer from a hard disk drive, and even be used to select a certain operating system and/or environment associated with a certain key carrier by changing the Master Boot Record of the disk system.



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