

ABSTRACT OF THE DISCLOSURE

DATA STORAGE DEVICE

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(with reference to Fig.1 of the drawing)

A data storage device (9) comprises an array of
electronic memory locations (20) for storing data. An
10 address input terminal (10) provides coupling to an
address source and is coupled to provide first address
signals from the address source to address the memory
locations of the array (20). A data output terminal
(12) provides coupling to a data reception arrangement
15 and is connected to the array (20) for receiving data
signals therefrom in response to the address signals.
The data signals are indicative of the data stored in
the memory locations addressed by the address signals.
An address encryption arrangement (14) is coupled
20 between the address input terminal (10) and the array
(20) for encrypting the first address signals. The
address encryption arrangement (14) contains encrypting
data which is protected from direct optical
determination, the encrypting data being used to encrypt
25 the first address signals.