ABSTRACT OF THE DISCLOSURE

DATA STORAGE APPARATUS

A data storage apparatus made up of a storage unit including at least a magnetic head, a storage medium, a spindle and an actuator, and a controller unit including a terminal for interface, a controller for controlling the positioning of the magnetic head and the read/write operation in the storage unit, an LSI for encoding and decoding a servo signal, an LSI for signal processing and a circuit board, the storage unit and the controller unit being assembled within separate structures, respectively. Thus, any type of such storage unit can be combined with an arbitrary type of such controller unit in accordance with the use and purpose. Since the storage unit and the controller unit are constructed within separate structures, respectively, the data storage apparatus can be separated into the storage unit and the controller unit. Then, for example, only the storage unit having secret information previously stored can be carried, while the controller unit can be left plugged in a slot. In this case, since the structures of the storage unit and the controller unit are made thin, it is very convenient to carry them.

(Please note that Figures 1A and 1B should accompany the abstract when published)

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