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(54) **METHOD AND APPARATUS FOR PROVIDING VERSATILE SERVICES ON STORAGE DEVICES**

Continuation-in-part of application No. 09/912,931, filed on Jul. 25, 2001, now Pat. No. 7,036,020.

Publication Classification

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(51) **Int. Cl.**

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(52) **U.S. Cl.** *726/27*; *713/193*

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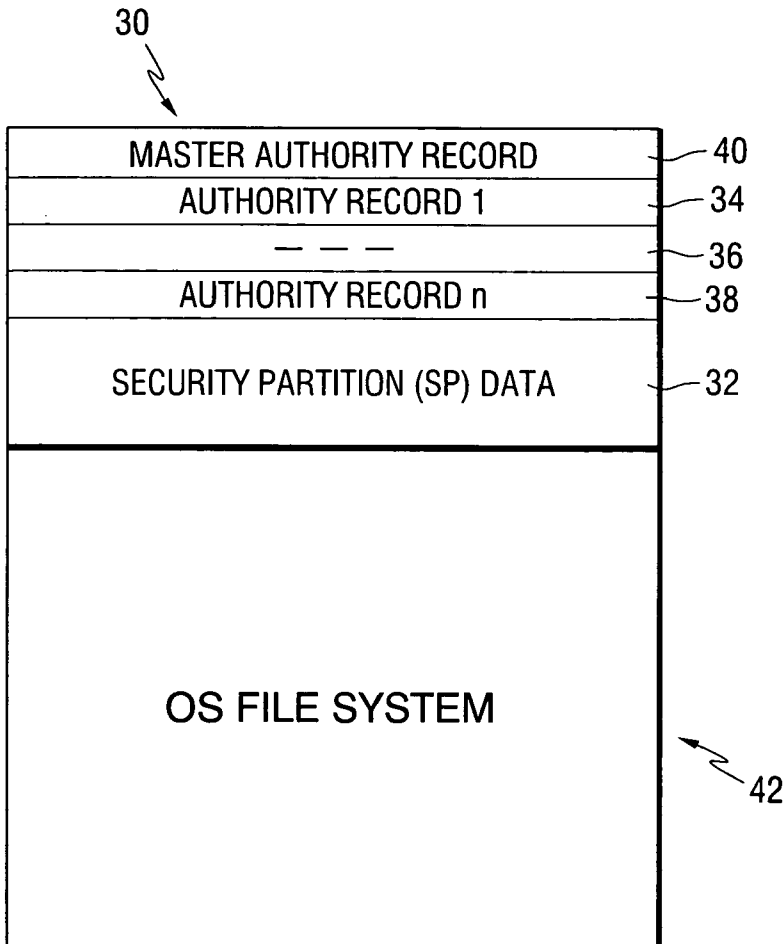
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(57) **ABSTRACT**

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/178,908, filed on Jul. 11, 2005.

An apparatus comprises a data storage device including a plurality of virtual smart cards in a plurality of security partitions, and a controller including a card operating system for controlling access to the smart cards.



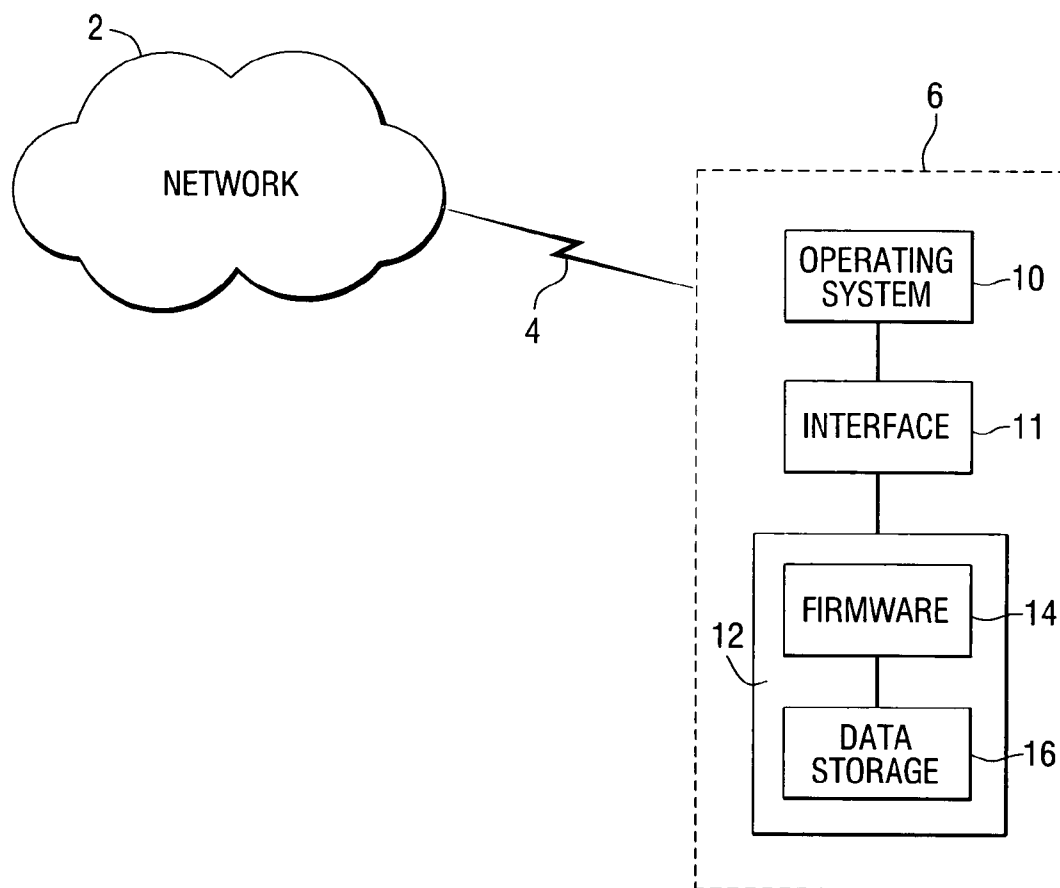


FIG. 1

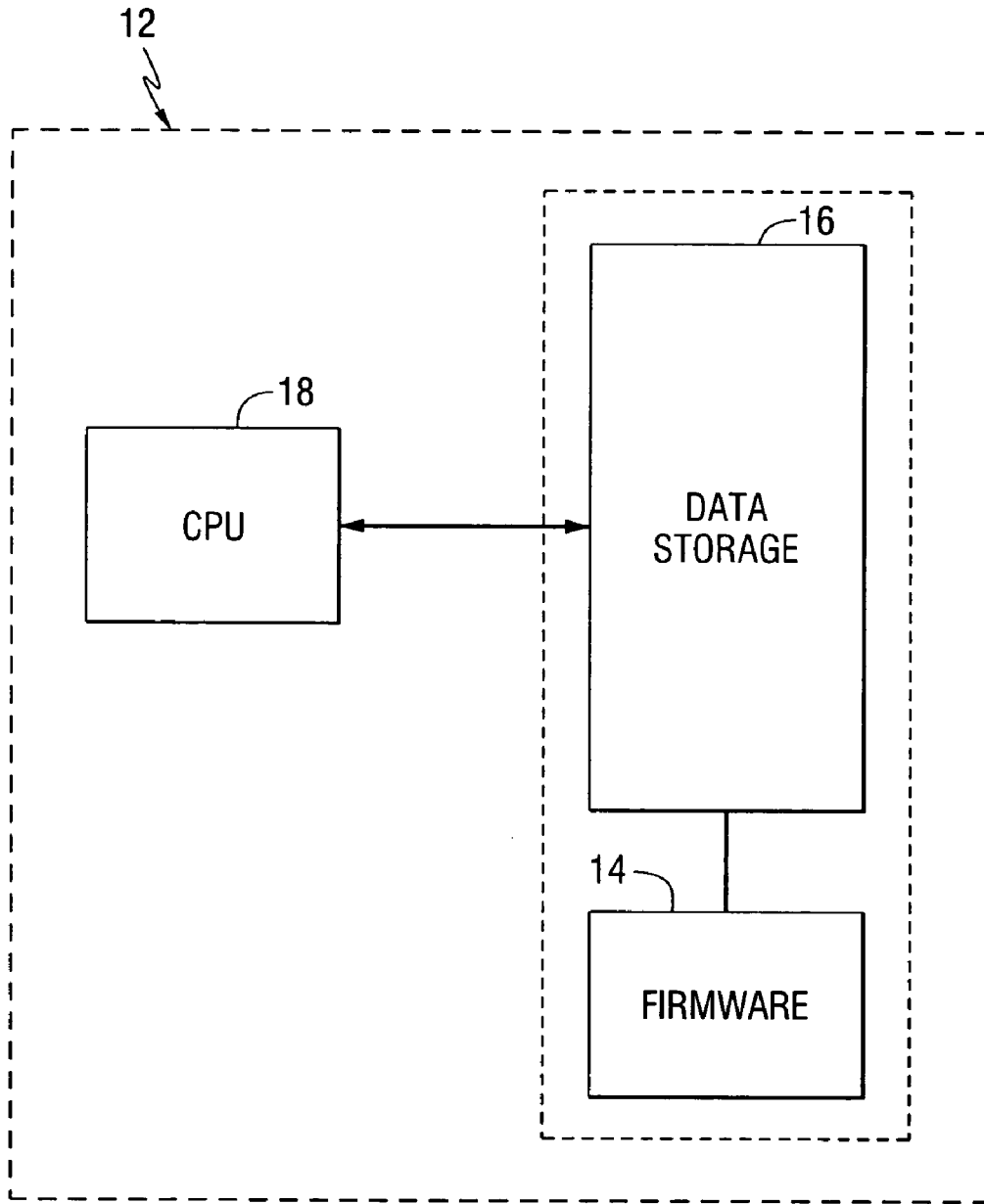


FIG. 2

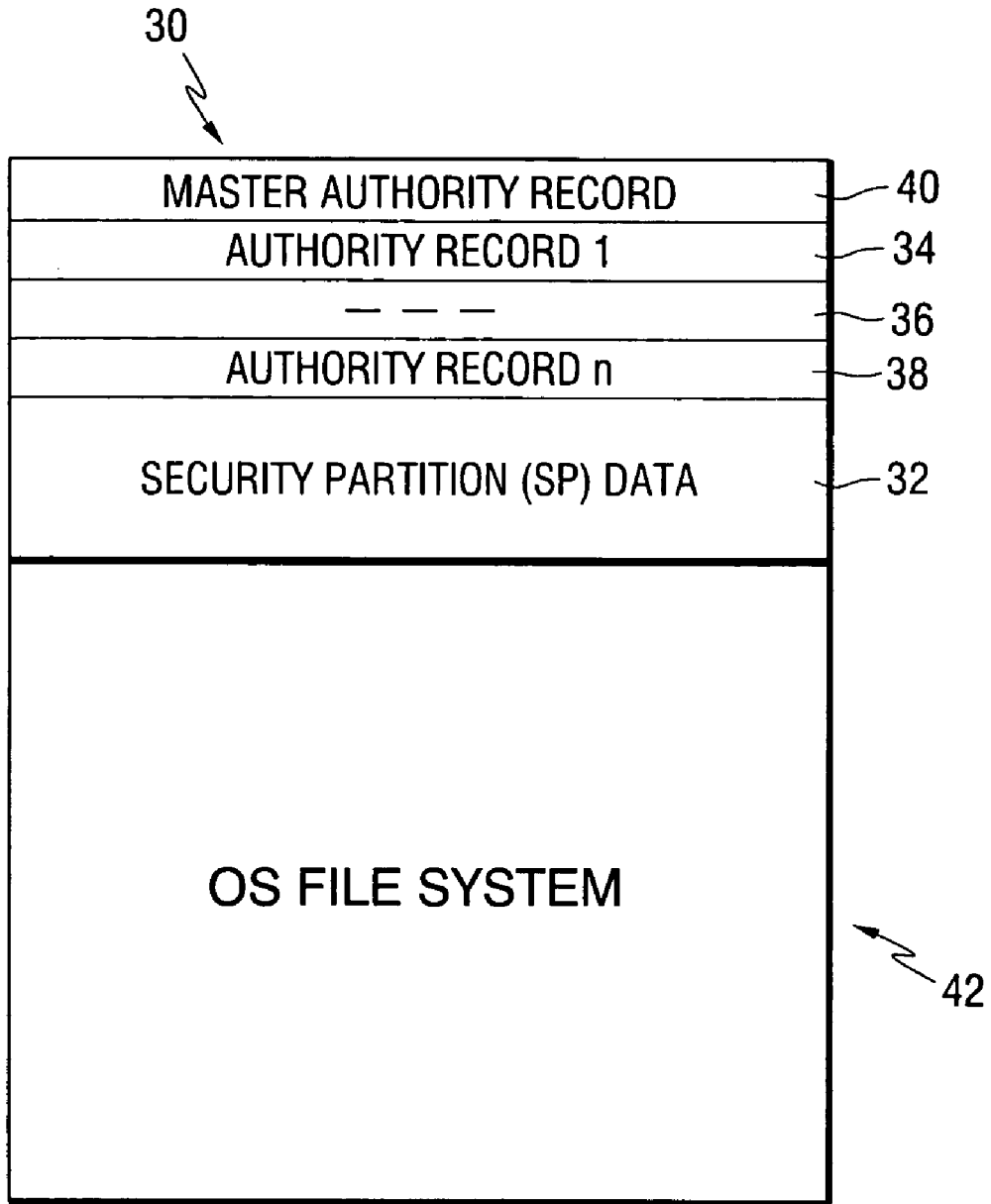


FIG. 3

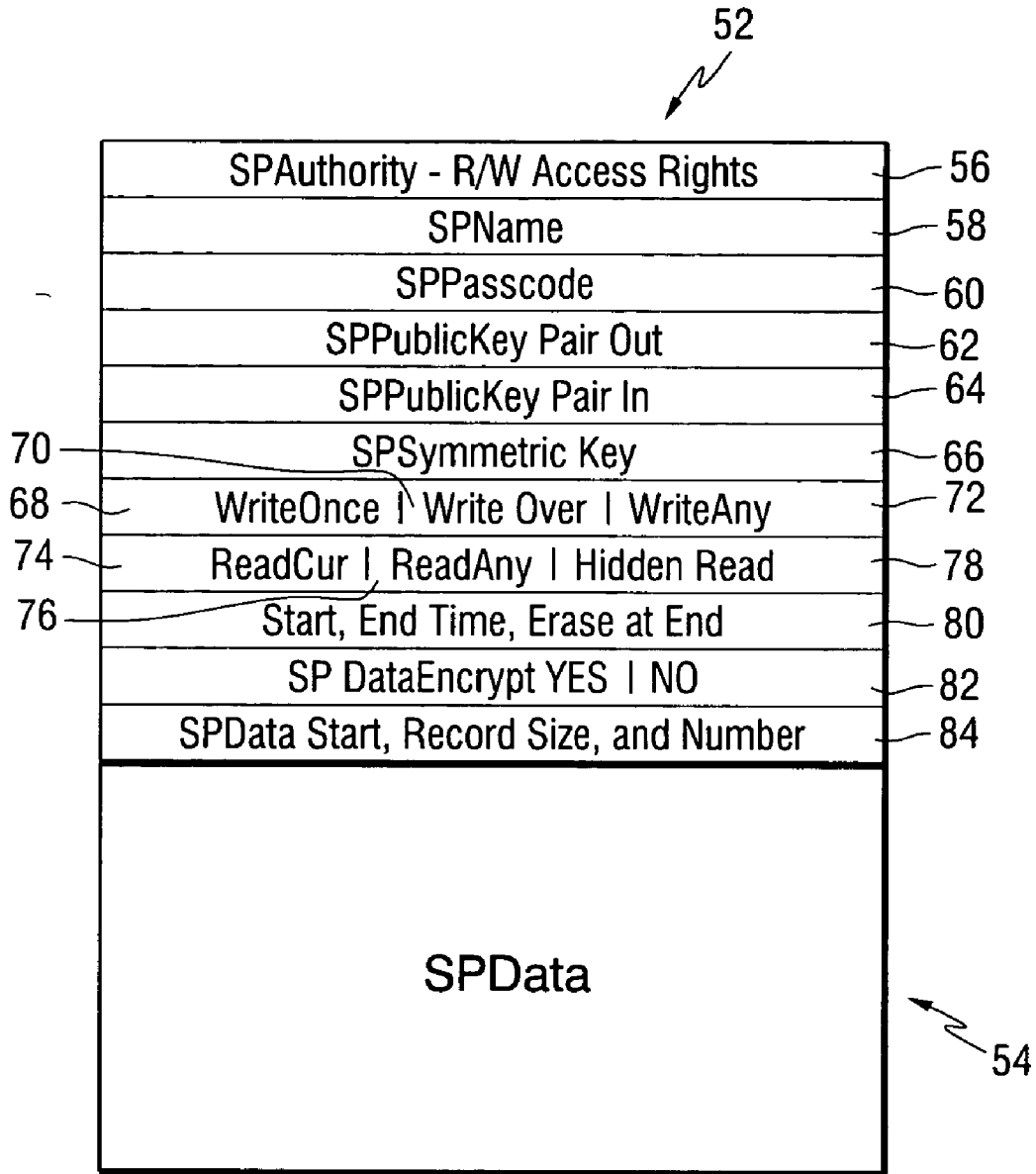


FIG. 4

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