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Dumas et al.

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(54) **HARD DISK PASSWORD LOCK**

(75) Inventors: **Patrick A. Dumas**, Barrington; **Mark Pulver**, Elmhurst, both of IL (US)

(73) Assignee: **NEC Corporation**, Tokyo (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(22) Filed: **Mar. 26, 1996**

(51) Int. Cl.⁷ **H04K 1/00**

(52) U.S. Cl. **713/183; 713/184**

(58) Field of Search 380/44, 94; 713/183, 713/184

Primary Examiner—Salvatore Cansialosi
(74) Attorney, Agent, or Firm—Katten Muchin Zavis

(57) ABSTRACT

The invention provides an encryption circuit for encrypting and decrypting data as it travels to and from a hard disk. The encryption circuit can be turned on or off under control of the BIOS program and a user supplied password. With the present invention, a removed hard disk cannot be read without the user supplied password and a similar encryption circuit.

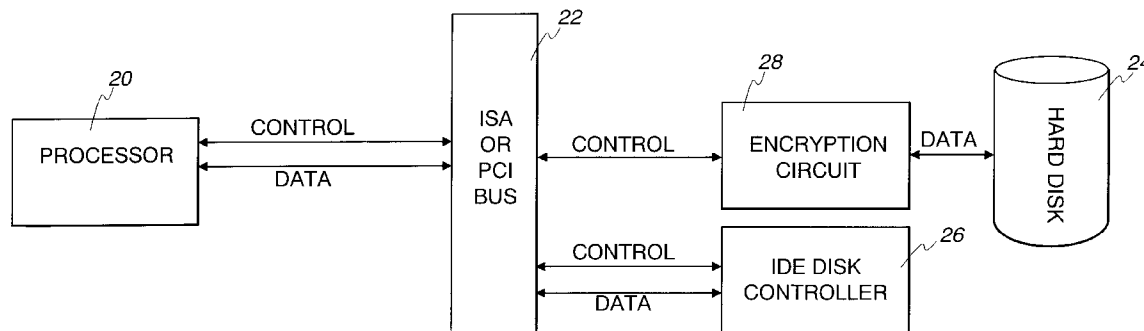
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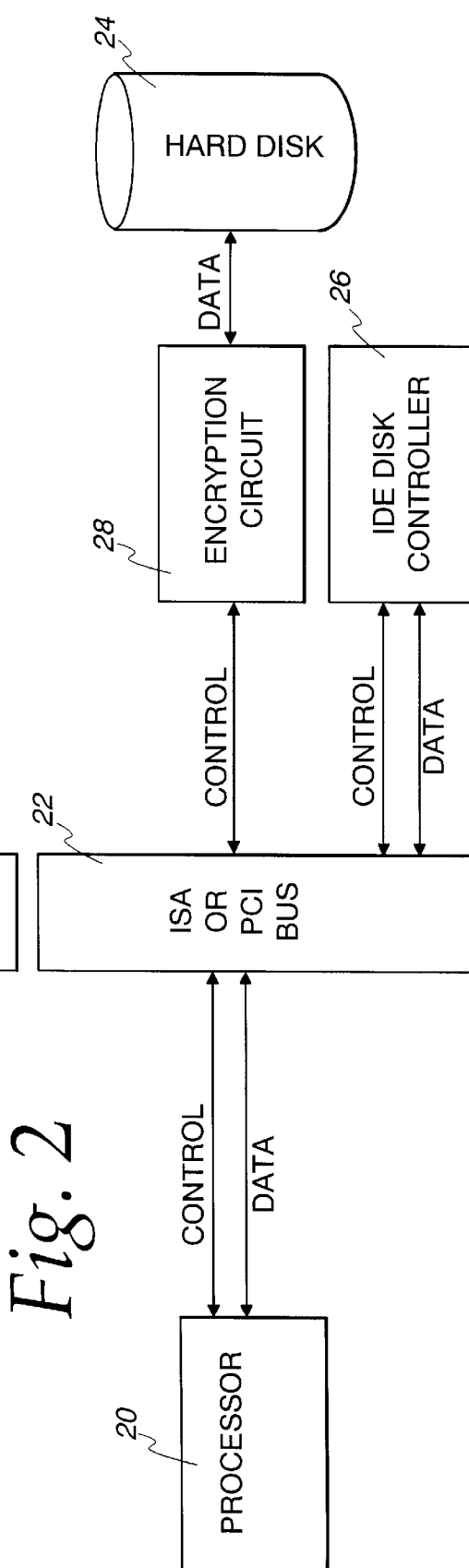
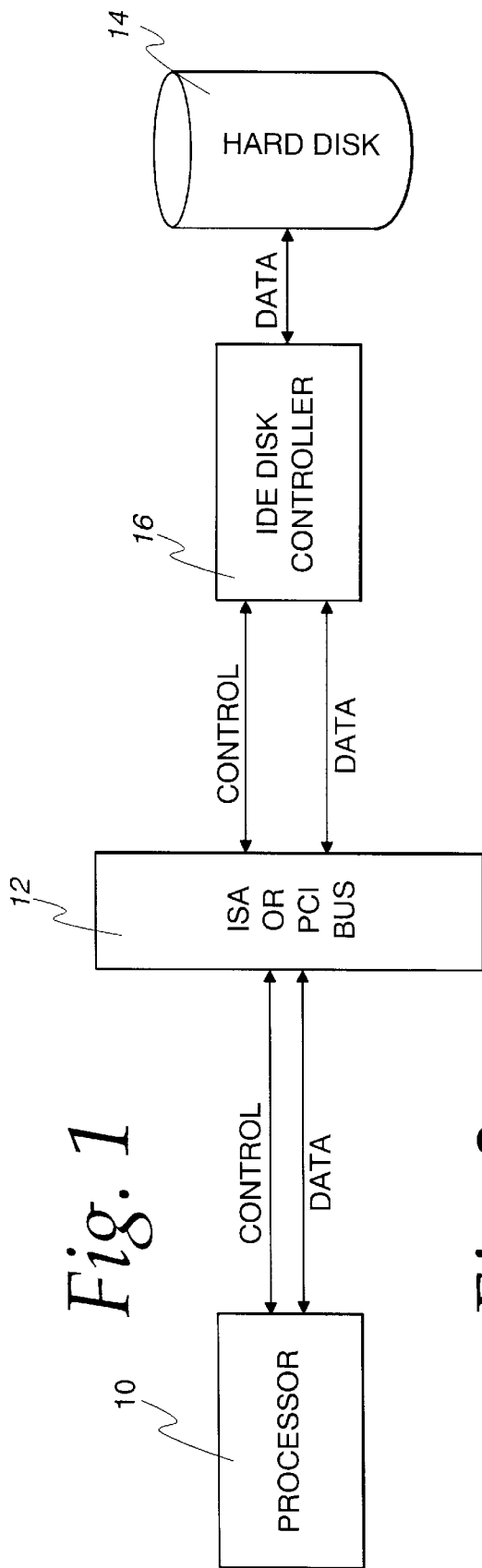
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8 Claims, 5 Drawing Sheets





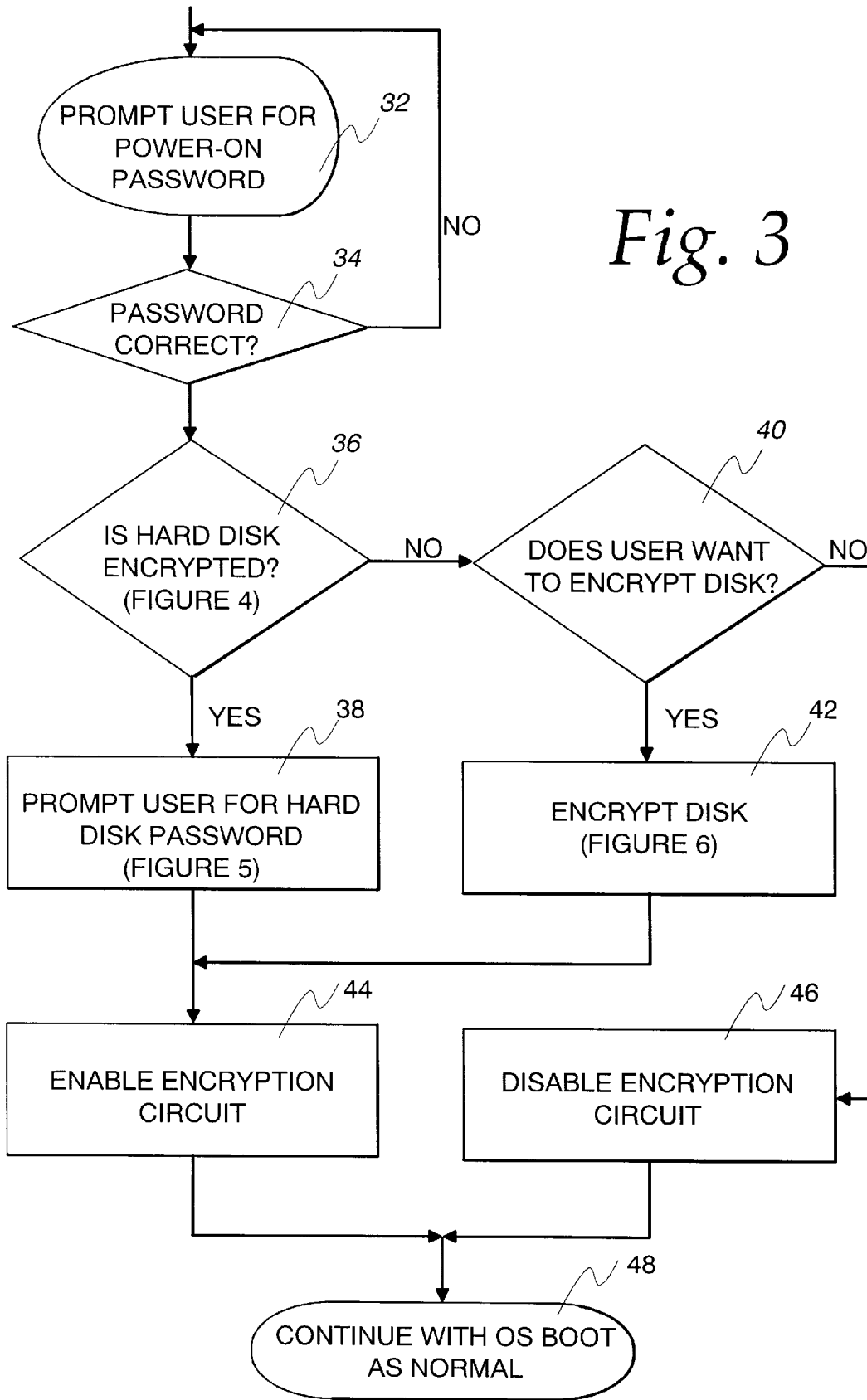


Fig. 3

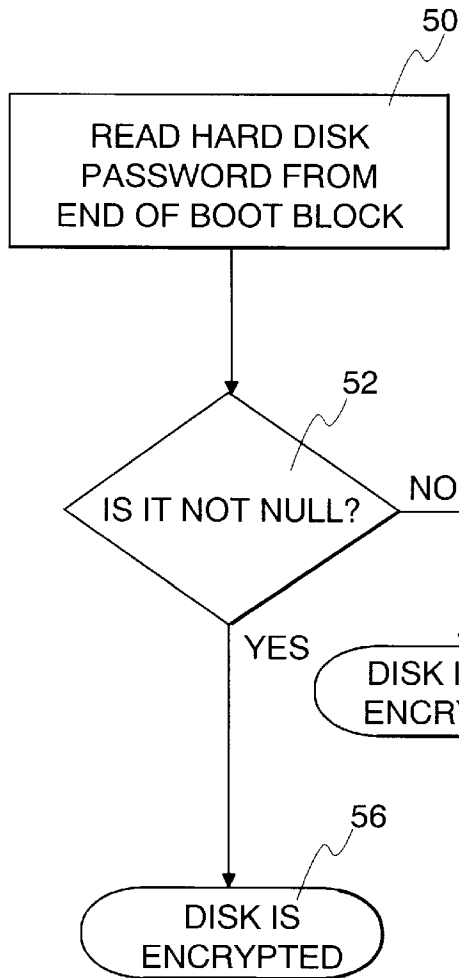


Fig. 4

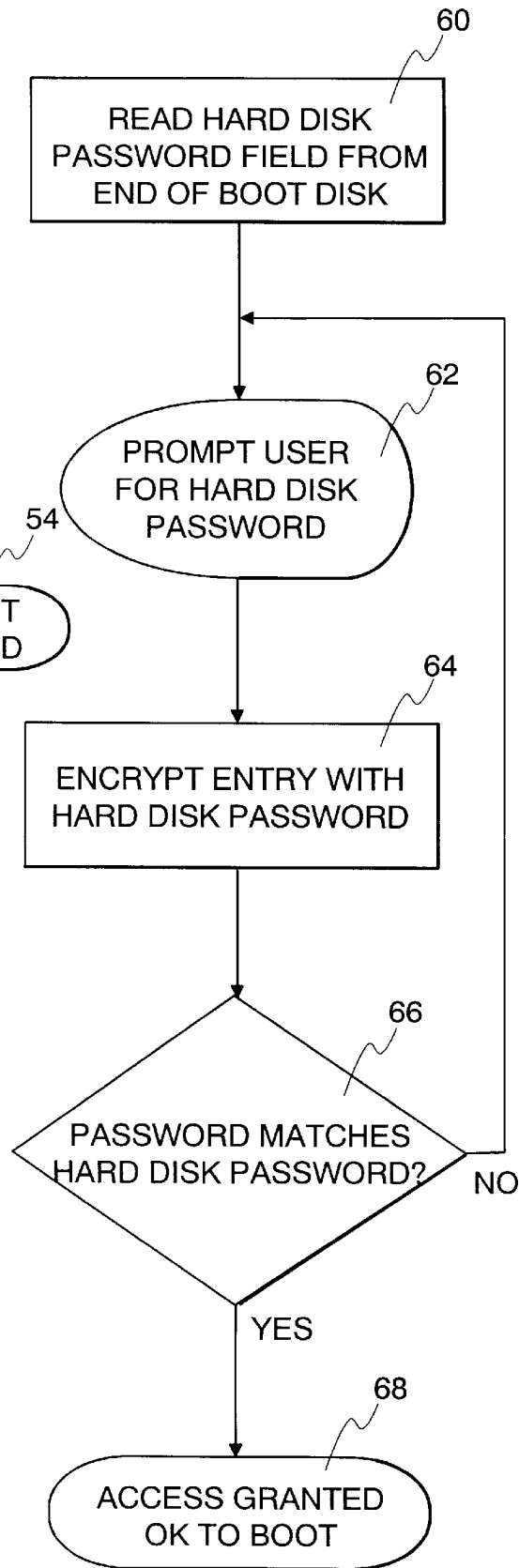


Fig. 5

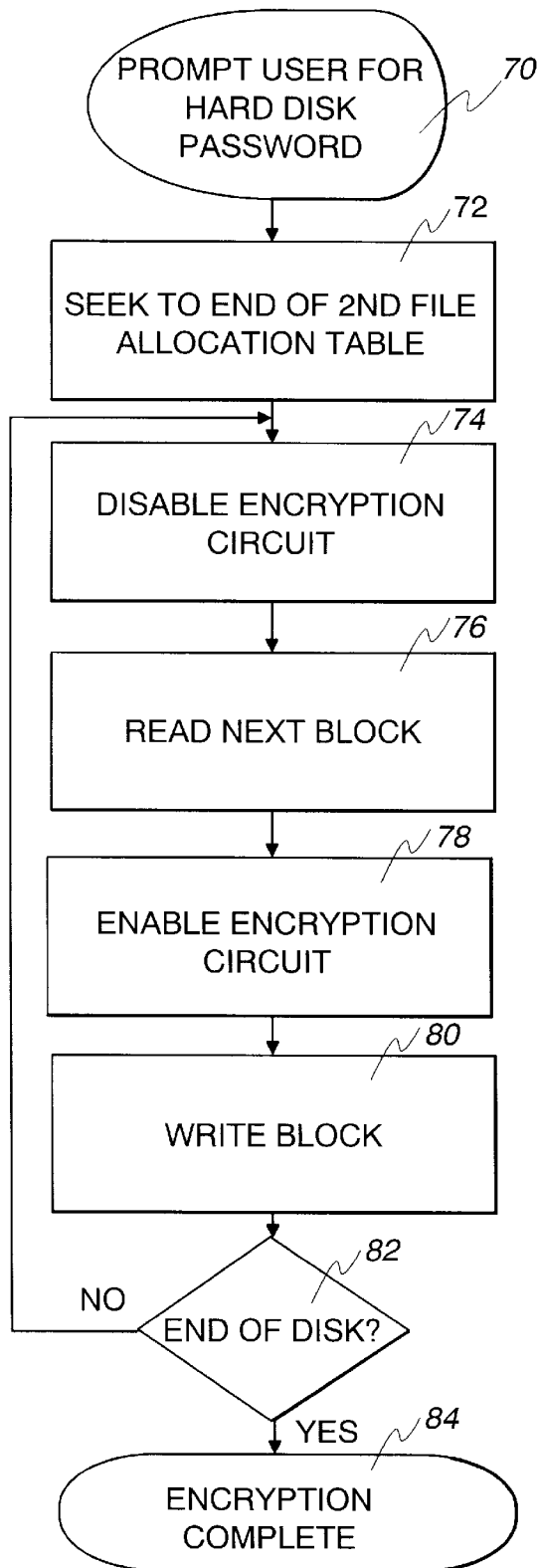


Fig. 6

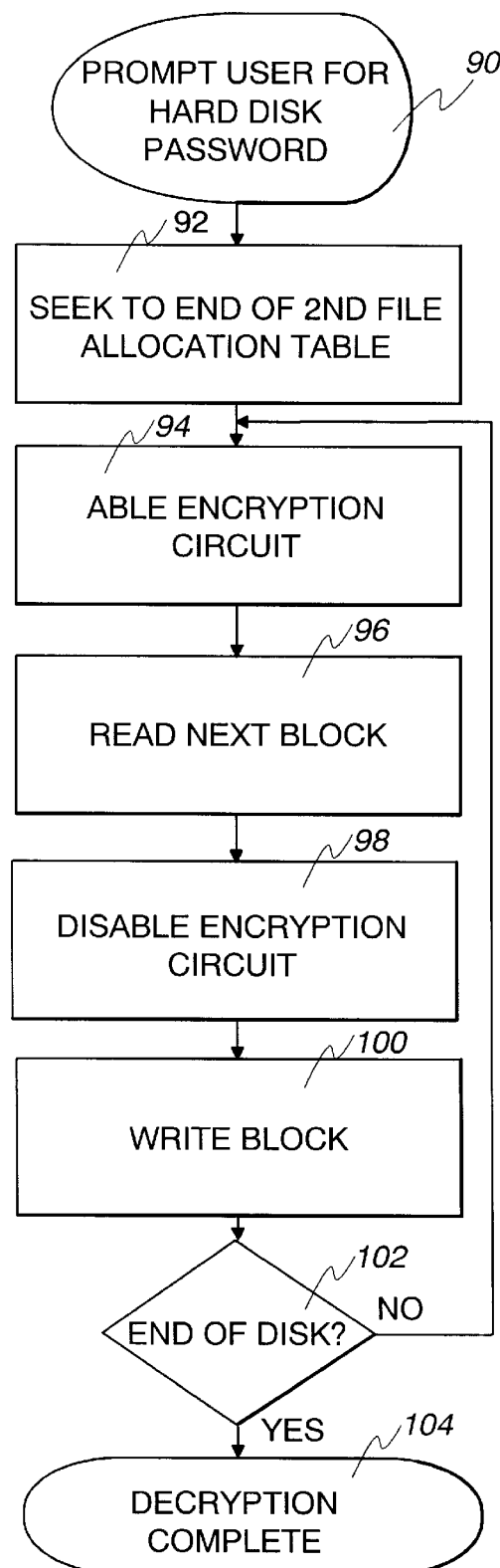


Fig. 7

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