

US006199163B1

# (12) United States Patent Dumas et al.

## (10) Patent No.: US 6,199,163 B1 (45) Date of Patent: Mar. 6, 2001

(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.					
(21)	Appl. No.: 08/621,672					
(22)	Filed: Mar. 26, 1996					
(52)	Int. Cl. <sup>7</sup>					
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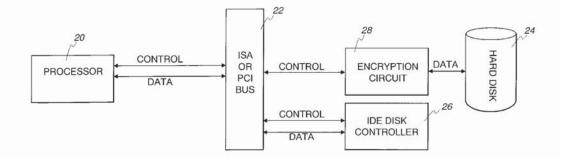
<sup>\*</sup> cited by examiner

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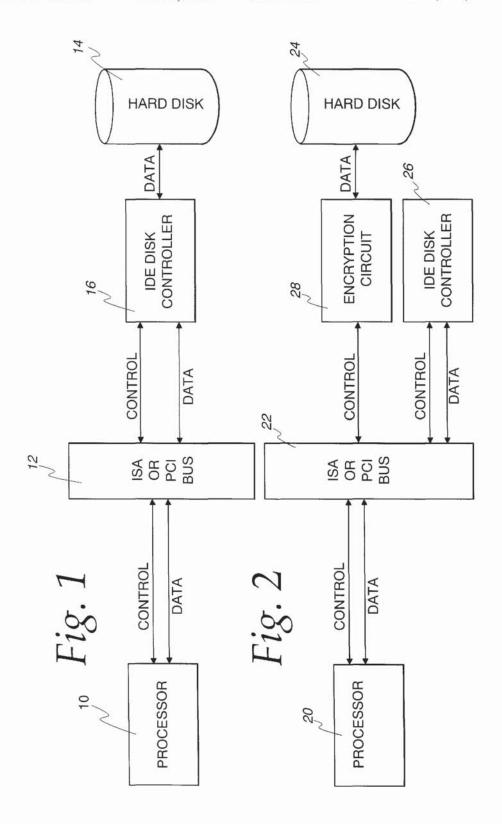
#### (57) ABSTRACT

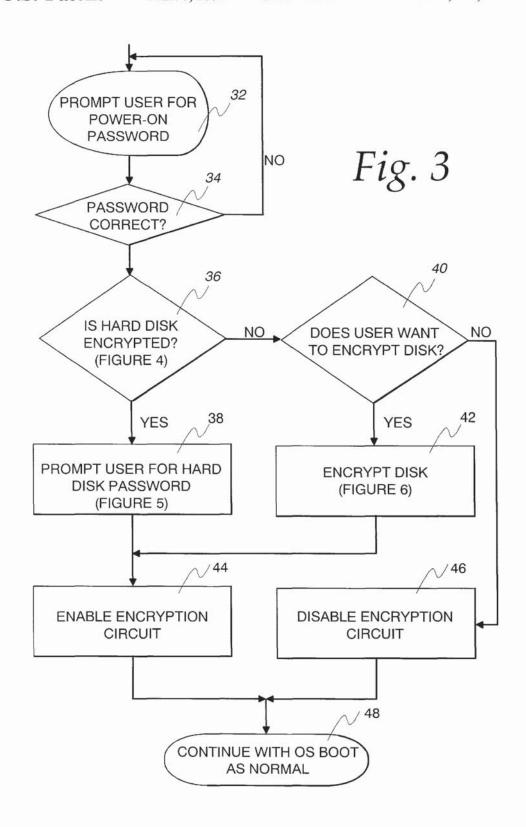
The invention provides an encryption circuit for encrypting and decrypting data as it travels to and from a hard disk. The encryption circuit can be turned on or off under control of the BIOS program and a user supplied password. With the present invention, a removed hard disk cannot be read without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

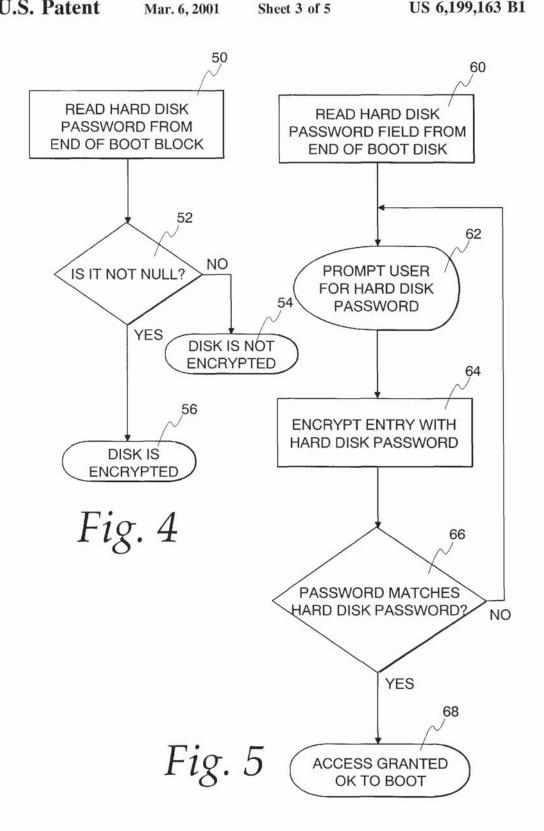
#### 8 Claims, 5 Drawing Sheets

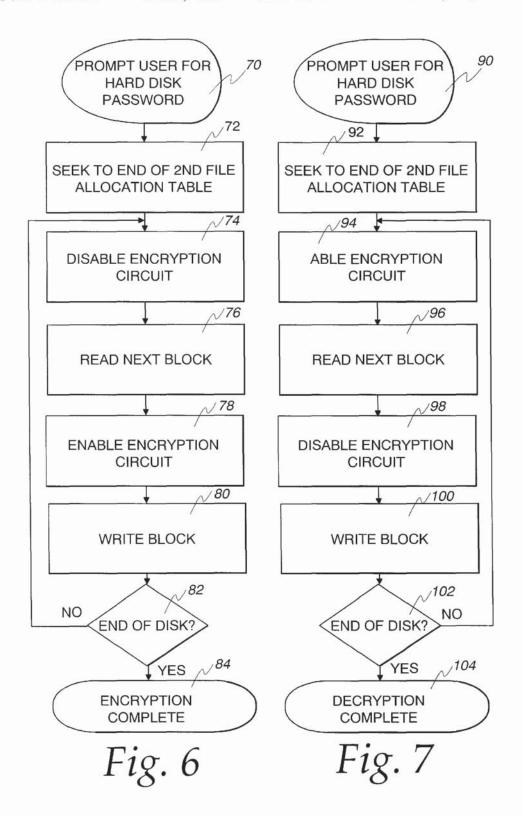












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