

[54] **SOFTWARE DISTRIBUTION SYSTEM**

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[51] **Int. Cl.<sup>4</sup>** ..... H04L 9/00

[52] **U.S. Cl.** ..... 380/25; 380/4;  
 380/30

[58] **Field of Search** ..... 178/22.08, 22.11, 22.09;  
 358/86

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

3,798,605	3/1974	Feistel .....	178/22.08
4,200,770	4/1980	Hellman et al. ....	178/22.11
4,218,582	8/1980	Hellman et al. ....	178/22.11
4,264,782	4/1981	Konheim .....	178/22.08
4,405,829	9/1983	Rivest et al. ....	178/22.11
4,424,414	1/1984	Hellman et al. ....	178/22.11
4,446,519	5/1984	Thomas .....	178/22.08
4,458,315	7/1984	Uchenick .....	178/22.08
4,465,901	8/1984	Best .....	178/22.08
4,567,512	1/1986	Abraham .....	358/86

**OTHER PUBLICATIONS**

"New Directions in Cryptography", by Diffie and Hell-

man IEEE Transaction on Information Theory, vol. 22 #6, 11/76.

"Multiuser Cryptographic Techniques", by Diffie and Hellman AFIPS-Conference Proceedings, vol. 45, pp. 109-112, 6/8/76.

*Primary Examiner*—Salvatore Cangialosi

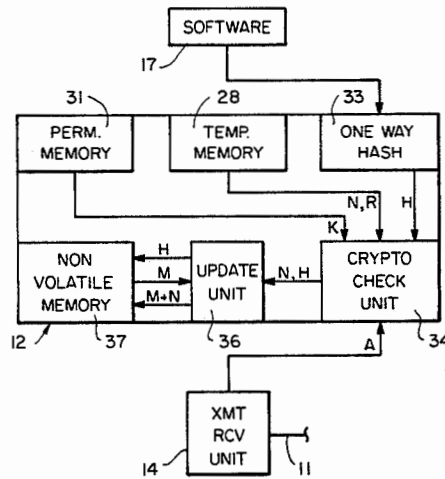
*Assistant Examiner*—Aaron J. Lewis

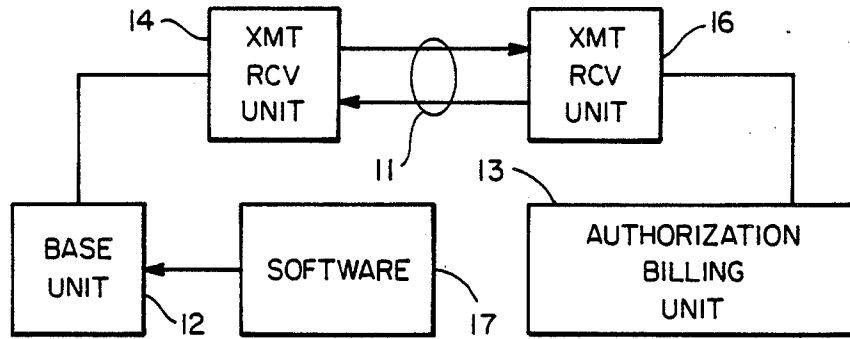
*Attorney, Agent, or Firm*—Flehr, Hohbach, Test, Albritton & Herbert

[57] **ABSTRACT**

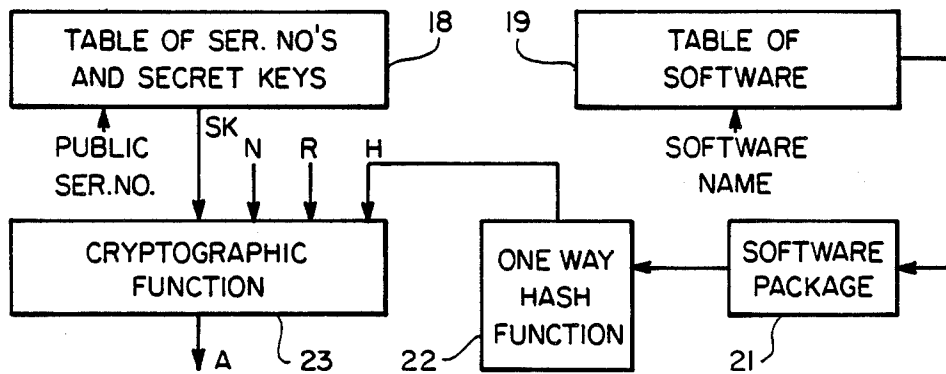
Software (programs, videogames, music, movies, etc.) can be authorized for use a given number of times by a base unit after which the base unit (computer, videogame base unit, record player, videorecorder or video-disk player) cannot use that software until the manufacturer sends an authorization for additional uses to the user's base unit. Authorizations may be sent via telephone line, mail, or whatever form of communication is most suited to the application. Authorizations cannot be reused, for example by recording the telephone authorization signal and replaying it to the base unit. Similarly, authorizations can be made base unit specific, so that an authorization for one base unit cannot be transferred to another base unit. This invention also solves the "software piracy problem" and allows telephone sales of software as additional benefits.

**10 Claims, 11 Drawing Figures**

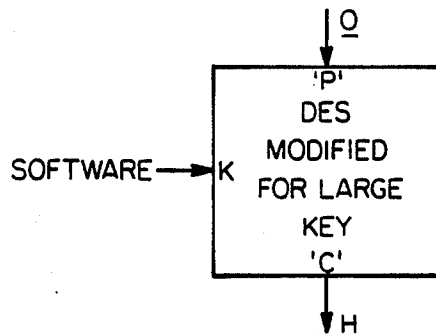




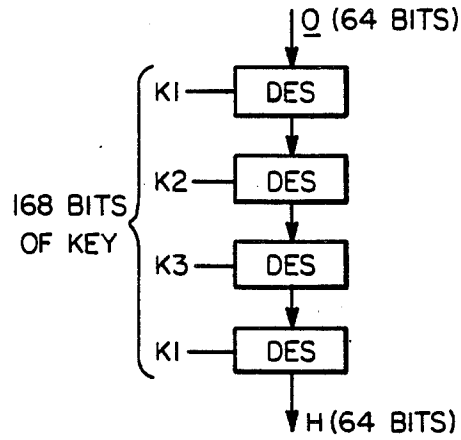
FIG\_1



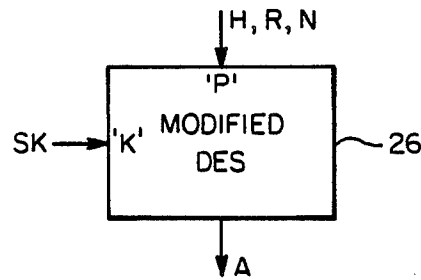
FIG\_2



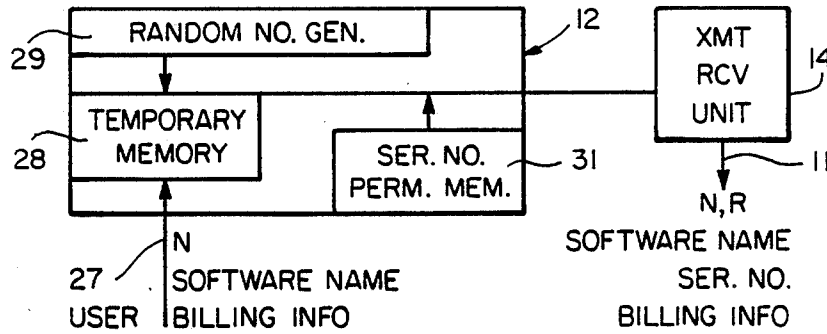
FIG\_3



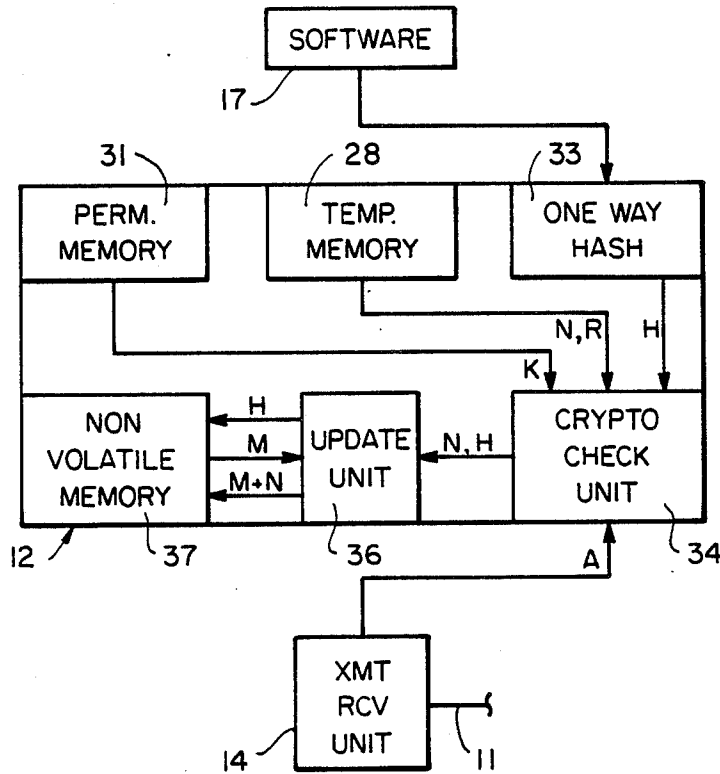
FIG\_3A



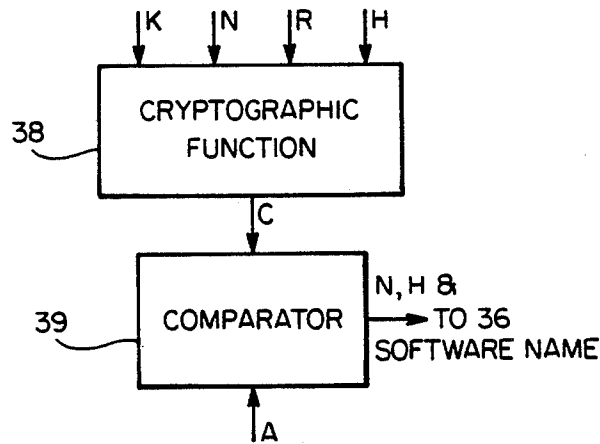
FIG\_4



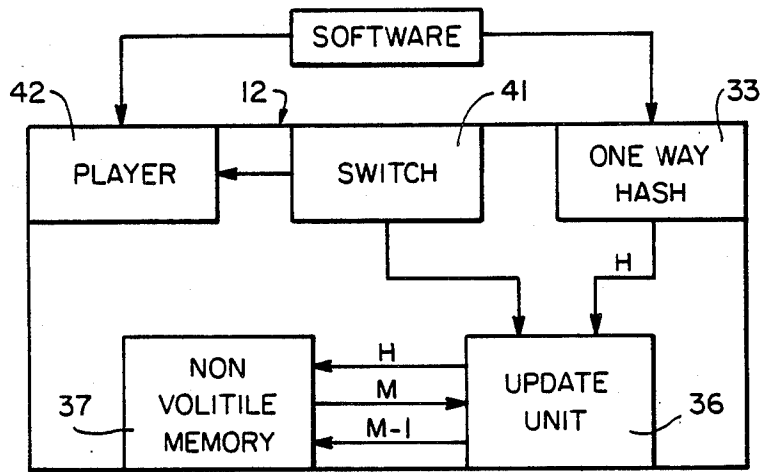
FIG\_5



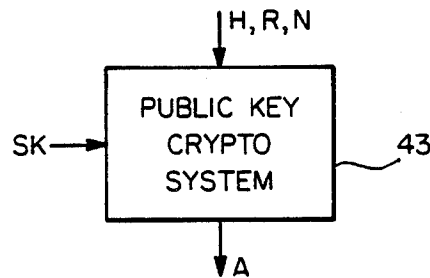
FIG\_6



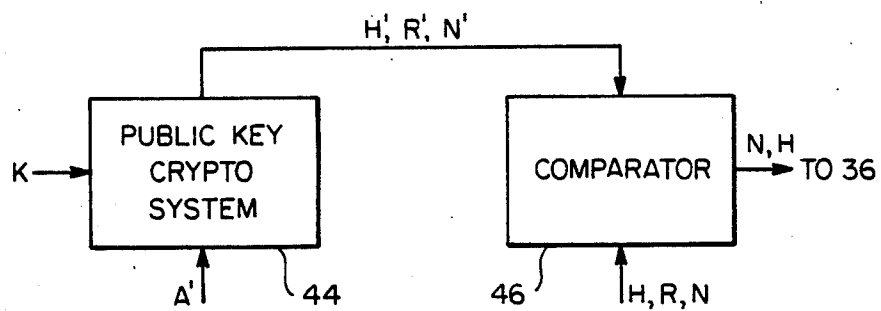
FIG\_7



FIG\_8



FIG\_9



FIG\_10

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