## United States Patent [19]

### Hellman

[11] Patent Number:

4,658,093

[45] Date of Patent:

Apr. 14, 1987

[54] SOFTWARE DISTRIBUTION SYSTEM		
Invento		rtin E. Hellman, 730 Alvarado , Stanford, Calif. 94305
Appl. N	lo.: 512	,685
Filed:	Jul	. 11, 1983
[58] Field of Search		
	Re	ferences Cited
U.S. PATENT DOCUMENTS		
,798,605 ,200,770 ,218,582 ,264,782 ,405,829 ,424,414 ,446,519 ,458,315 ,465,901	3/1974 4/1980 8/1980 4/1981 9/1983 1/1984 5/1984 7/1984 8/1984	Feistel     178/22.08       Hellman et al.     178/22.11       Hellman et al.     178/22.11       Konheim     178/22.08       Rivest et al.     178/22.11       Hellman et al.     178/22.11       Thomas     178/22.08       Uchenick     178/22.08       Best     178/22.08       Abraham     358/86
	Appl. N Filed: Int. Cl. <sup>4</sup> U.S. Cl. Field of  U., 798,605,200,770,218,582,264,782,405,829,424,414,45,519,455,901	Inventor: Ma Ct. Appl. No.: 512 Filed: Jul. Int. Cl. <sup>4</sup> U.S. Cl Field of Search  Re U.S. PAT. 798,605 3/1974 200,770 4/1980 218,582 8/1980 264,782 4/1981 405,829 9/1983 424,414 1/1984 446,519 5/1984 446,519 5/1984 458,315 7/1984

OTHER PUBLICATIONS

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

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

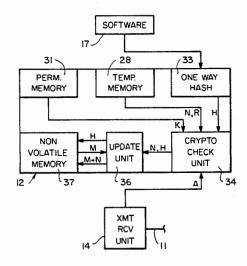
"Multiuser Cryptographic Techniques", by Diffie and Hellman AFIPS-Conference Proceedings, vol. 45, pp. 109-112, 6/8/76.

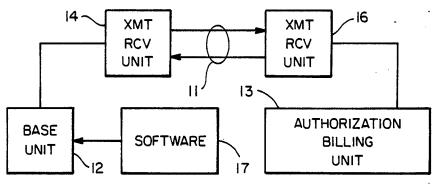
Primary Examiner—Salvatore Cangialosi
Assistant Examiner—Aaron J. Lewis
Attorney, Agent, or Firm—Flehr, Hohbach, Test,
Albritton & Herbert

#### [57] ABSTRACT

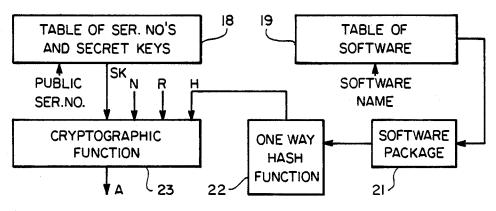
Software (programs, videogames, music, movies, etc.) can be authorized for use a given number of times by a base unit after which the base unit (computer, videogame base unit, record player, videorecorder or videodisk player) cannot use that software until the manufacturer sends an authorization for 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

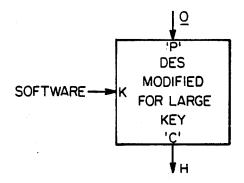




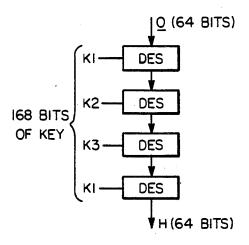
FIG\_\_/



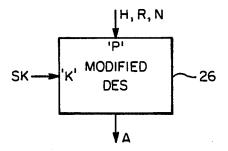
FIG\_2



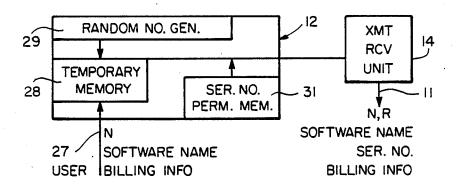
FIG\_3



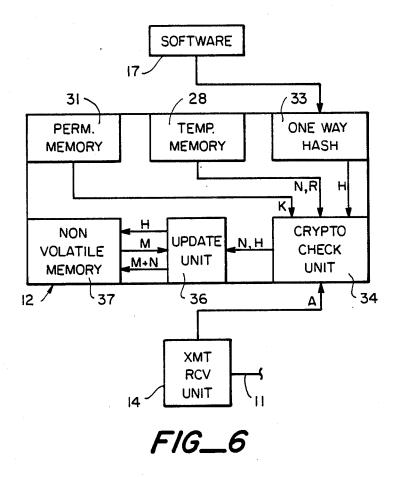
FIG\_3A

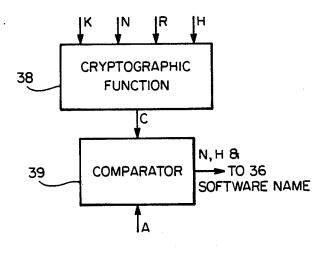


FIG\_4



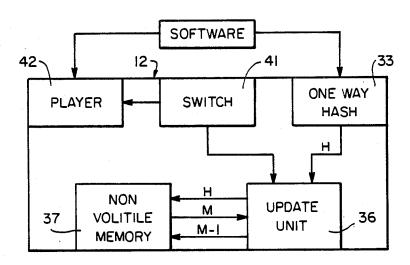
FIG\_5



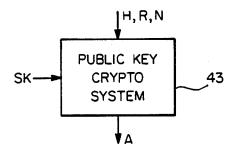


FIG\_7

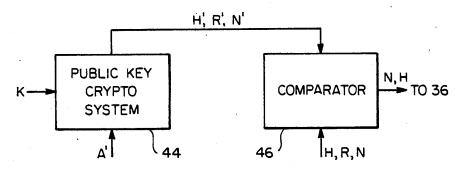
4,658,093



FIG\_8



FIG\_9



FIG\_IO

# DOCKET A L A R M

# Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## **Real-Time Litigation Alerts**



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## **Advanced Docket Research**



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## **Analytics At Your Fingertips**



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

### API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

#### **LAW FIRMS**

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

#### **FINANCIAL INSTITUTIONS**

Litigation and bankruptcy checks for companies and debtors.

## **E-DISCOVERY AND LEGAL VENDORS**

Sync your system to PACER to automate legal marketing.

