

Gzj kdkv'8''



US00RE45140E

(19) **United States**
 (12) **Reissued Patent**
Chu

(10) **Patent Number:** **US RE45,140 E**
 (45) **Date of Reissued Patent:** ***Sep. 16, 2014**

(54) **DATA SECURITY METHOD AND DEVICE FOR COMPUTER MODULES**

(71) Applicant: **Acqis LLC**, McKinney, TX (US)
 (72) Inventor: **William W. Y. Chu**, Los Altos, CA (US)
 (73) Assignee: **Acqis LLC**, McKinney, TX (US)

(*) Notice: This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/109,749**

(22) Filed: **Dec. 17, 2013**

Related U.S. Patent Documents

Reissue of:

(64) Patent No.: **6,643,777**
 Issued: **Nov. 4, 2003**
 Appl. No.: **09/312,199**
 Filed: **May 14, 1999**

U.S. Applications:

(63) Continuation of application No. 13/649,078, filed on Oct. 10, 2012, now Pat. No. Re. 44,654, which is a continuation of application No. 13/562,210, filed on Jul. 30, 2012, now Pat. No. Re. 44,468, which is a continuation of application No. 13/294,108, filed on Nov. 10, 2011, now Pat. No. Re. 43,602, which is a continuation of application No. 12/561,138, filed on Sep. 16, 2009, now Pat. No. Re. 42,984, which is a continuation of application No. 11/056,604, filed on Feb. 10, 2005, now Pat. No. Re. 41,092, which is an application for the reissue of Pat. No. 6,643,777.

(51) **Int. Cl.**
G06F 12/00 (2006.01)

(52) **U.S. Cl.**
 USPC 726/16; 726/20

(58) **Field of Classification Search**

USPC 726/2-9, 16-21, 34, 36; 713/182-183, 713/192-194; 710/1, 7, 8, 15, 20, 22, 100; 712/1, 220
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,623,964 A * 11/1986 Getz et al. 705/1
 4,769,764 A 9/1988 Levanon
 4,799,258 A 1/1989 Davies
 5,056,141 A * 10/1991 Dyke 340/5.27

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0722138 A1 7/1996
 JP 6-289953 10/1994

(Continued)

OTHER PUBLICATIONS

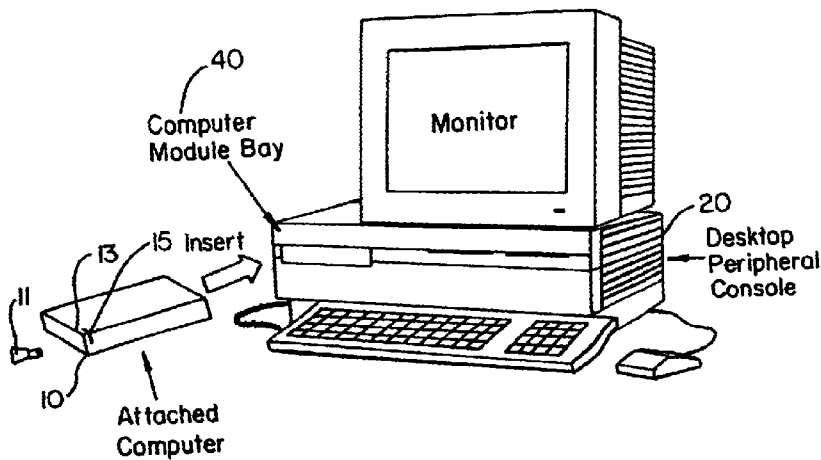
Boosten, "Transmission Overhead and Optimal Packet Size", Mar. 11, 1998, printed on: Jan. 28, 2011, 2 pgs.

Primary Examiner — Hosuk Song
 (74) *Attorney, Agent, or Firm* — Cooley LLP

(57) **ABSTRACT**

A security method for an attached computer module in a computer system. The security method reads a security identification number in an attached computer module and compares it to a security identification number in a console, which houses the attached computer module. Based upon a relationship between these numbers, a security status is selected. The security status determines the security level of operating the computer system.

25 Claims, 24 Drawing Sheets



US RE45,140 E

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

5,086,499	A	2/1992	Mutone	6,304,895	B1	10/2001	Schneider et al.
5,103,446	A	4/1992	Fischer	6,311,268	B1	10/2001	Chu
5,191,581	A	3/1993	Woodbury et al.	6,314,522	B1	11/2001	Chu
5,198,806	A	3/1993	Lord	6,321,277	B1	11/2001	Andresen et al.
5,319,771	A	6/1994	Takeda	6,321,335	B1	11/2001	Chu
5,463,742	A	10/1995	Kobayashi	6,324,605	B1	11/2001	Rafferty et al.
5,519,843	A	5/1996	Moran et al.	6,332,180	B1	12/2001	Kauffman et al.
5,539,616	A	7/1996	Kikinis	6,345,330	B2	2/2002	Chu
5,546,463	A	8/1996	Caputo et al.	6,366,951	B1	4/2002	Schmidt
5,550,861	A	8/1996	Chan et al.	6,378,009	B1	4/2002	Pinkston, II et al.
5,572,441	A	11/1996	Boie	6,381,602	B1	4/2002	Shoroff et al. 707/9
5,590,377	A	12/1996	Smith	6,393,561	B1	5/2002	Hagiwara et al. 713/100
5,608,608	A	3/1997	Flint et al.	6,401,124	B1	6/2002	Yang et al.
5,623,637	A	4/1997	Jones et al.	6,452,790	B1	9/2002	Chu
5,638,521	A	6/1997	Buchala et al.	6,453,344	B1	9/2002	Ellsworth et al.
5,640,302	A	6/1997	Kikinis	6,460,106	B1	10/2002	Stufflebeam
5,648,762	A	7/1997	Ichimura et al.	6,477,593	B1	11/2002	Khosrowpour et al.
5,689,654	A	11/1997	Kikinis et al.	6,487,614	B2	11/2002	Nobutani et al.
5,721,842	A	2/1998	Beasley et al.	6,496,361	B2	12/2002	Kim et al. 361/683
5,751,711	A	5/1998	Sakaue	6,549,966	B1	4/2003	Dickens et al.
5,751,950	A	5/1998	Crisan	6,643,777	B1	11/2003	Chu
5,764,924	A	6/1998	Hong	6,718,415	B1	4/2004	Chu
5,774,704	A	6/1998	Williams	7,099,981	B2	8/2006	Chu
5,815,681	A	9/1998	Kikinis	7,123,660	B2	10/2006	Haq et al. 375/257
5,819,053	A	10/1998	Goodrum et al.	7,146,446	B2	12/2006	Chu
5,822,571	A	10/1998	Goodrum et al. 713/400	7,243,173	B2	7/2007	Campbell 710/71
5,838,932	A	11/1998	Alzien	7,266,661	B2	9/2007	Walmsley 711/164
5,857,085	A	1/1999	Zhang et al.	7,328,297	B2	2/2008	Chu
5,862,381	A	1/1999	Advani et al.	7,363,415	B2	4/2008	Chu
5,878,211	A	3/1999	Delagrange et al.	7,363,416	B2	4/2008	Chu
5,884,049	A	3/1999	Atkinson	7,376,779	B2	5/2008	Chu
5,907,566	A	5/1999	Benson et al.	RE41,076	E	1/2010	Chu
5,909,559	A	6/1999	So	RE41,092	E	1/2010	Chu
5,933,609	A	8/1999	Walker et al.	7,676,624	B2	3/2010	Chu
5,935,226	A	8/1999	Klein	RE41,294	E	4/2010	Chu
5,941,965	A	8/1999	Moroz et al.	7,818,487	B2	10/2010	Chu
5,941,968	A	8/1999	Mergard et al.	RE41,961	E	11/2010	Chu
5,974,486	A	10/1999	Siddappa	RE42,814	E	10/2011	Chu
5,978,919	A	11/1999	Doi et al.	8,041,873	B2	10/2011	Chu
5,991,833	A	11/1999	Wandler et al.	RE42,984	E	11/2011	Chu
5,999,476	A	12/1999	Dutton et al.	RE43,119	E	1/2012	Chu
5,999,952	A	12/1999	Jenkins et al.	RE43,171	E	2/2012	Chu
6,006,243	A	12/1999	Karidis	8,234,436	B2	7/2012	Chu
6,012,145	A	1/2000	Mathers et al.	RE43,602	E	8/2012	Chu
6,025,989	A	2/2000	Ayd et al.	RE44,468	E	8/2013	Chu
6,029,183	A	2/2000	Jenkins et al.	2001/0011312	A1	8/2001	Chu
6,038,621	A	3/2000	Gale et al.	2004/0177200	A1	9/2004	Chu
6,046,571	A	4/2000	Bovio et al.	2005/0174729	A1	8/2005	Chu
6,069,615	A	5/2000	Abraham et al.	2005/0182882	A1	8/2005	Chu
6,070,214	A	5/2000	Ahern	2005/0195575	A1	9/2005	Chu
6,104,921	A	8/2000	Cosley et al.	2005/0204083	A1	9/2005	Chu
6,157,534	A	12/2000	Gallagher et al.	2005/0246469	A1	11/2005	Chu
6,161,157	A	12/2000	Tripathi	2006/0265361	A1	11/2006	Chu
6,161,524	A	12/2000	Akbarian et al.	2008/0244149	A1	10/2008	Chu
6,199,134	B1	3/2001	Deschepper et al.	2009/0157939	A1	6/2009	Chu
6,202,115	B1	3/2001	Khosrowpour	2010/0174844	A1	7/2010	Chu
6,202,169	B1	3/2001	Razzaghe-Ashrafi et al.	2011/0208893	A1	8/2011	Chu
6,216,185	B1	4/2001	Chu				
6,226,700	B1	5/2001	Wandler et al.				
6,256,689	B1	7/2001	Khosrowpour				
6,266,539	B1	7/2001	Pardo				
6,301,637	B1	10/2001	Krull et al.				

FOREIGN PATENT DOCUMENTS

WO	WO 92/18924	10/1992
WO	WO 94/00970	1/1994
WO	WO 95/13640	5/1995

* cited by examiner

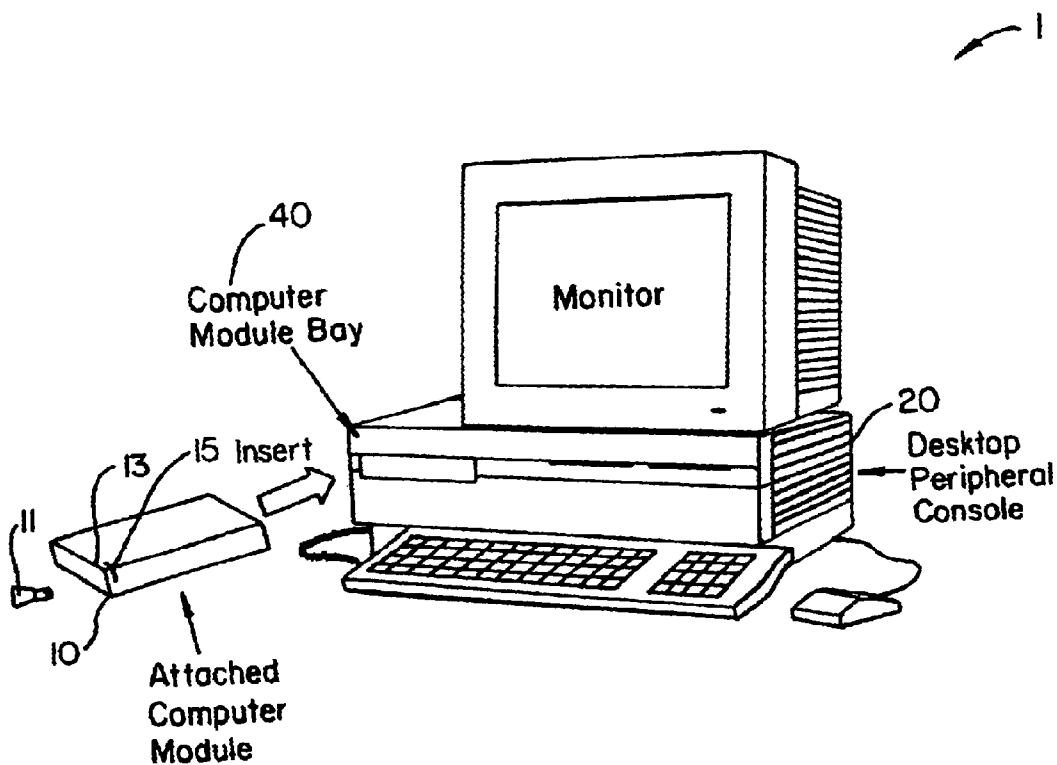


FIG. 1

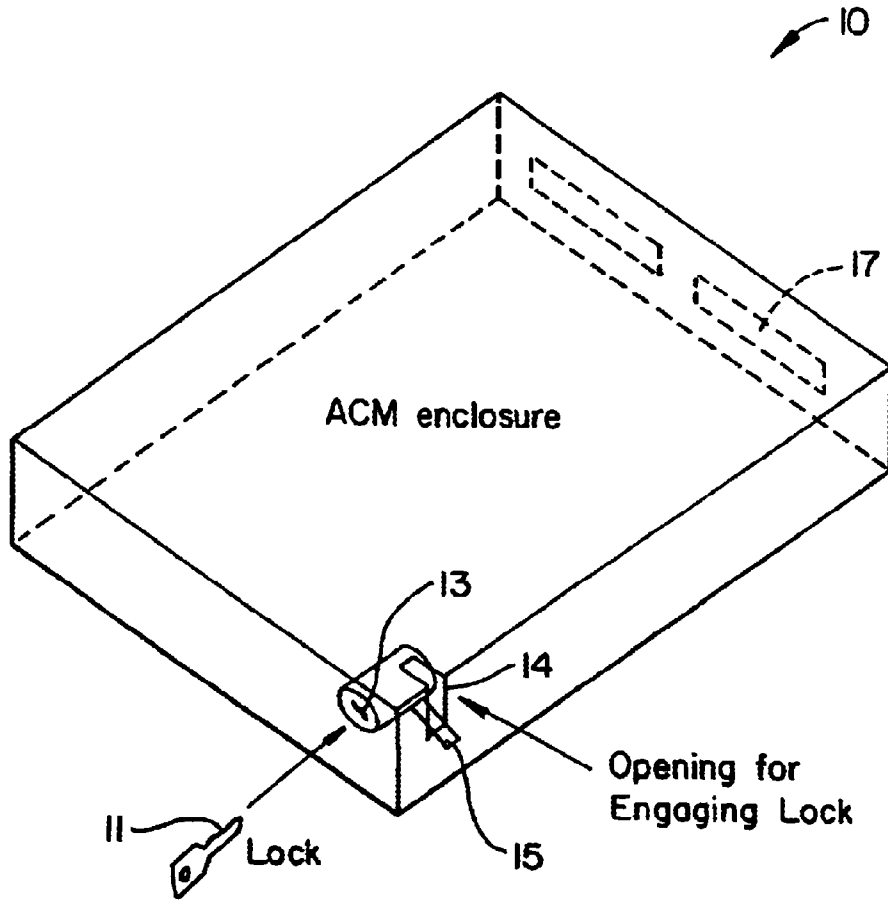


FIG. 2

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.