



US007484247B2

(12) **United States Patent**
Rozman et al.

(10) **Patent No.:** **US 7,484,247 B2**
(45) **Date of Patent:** **Jan. 27, 2009**

(54) **SYSTEM AND METHOD FOR PROTECTING A COMPUTER SYSTEM FROM MALICIOUS SOFTWARE**

(76) Inventors: **Allen F Rozman**, 735 Mockingbird Dr., Murphy, TX (US) 75094; **Alfonso J Cioffi**, 719 Mockingbird Dr., Murphy, TX (US) 75094

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 710 days.

5,978,917	A	11/1999	Chi	
5,995,103	A	11/1999	Ashe	
6,134,661	A	10/2000	Topp	
6,167,522	A	12/2000	Lee et al.	
6,192,477	B1*	2/2001	Corthell	726/11
6,199,181	B1	3/2001	Rechef et al.	
6,216,112	B1	4/2001	Fuller et al.	
6,275,938	B1	8/2001	Bond et al.	
6,351,816	B1	2/2002	Mueller et al.	
6,385,721	B1*	5/2002	Puckette	713/2
6,480,198	B2	11/2002	Kang	
6,507,904	B1	1/2003	Ellison et al.	

(Continued)

(21) Appl. No.: **10/913,609**

(22) Filed: **Aug. 7, 2004**

(65) **Prior Publication Data**

US 2006/0031940 A1 Feb. 9, 2006

(51) **Int. Cl.**
G06F 1/26 (2006.01)
G06F 12/14 (2006.01)
G06F 11/30 (2006.01)
H04L 9/32 (2006.01)

(52) **U.S. Cl.** **726/34; 713/192; 713/193**

(58) **Field of Classification Search** None
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,890,098	A	12/1989	Dawes et al.	
5,280,579	A	1/1994	Nye	
5,502,808	A	3/1996	Goddard et al.	
5,555,364	A	9/1996	Goldstein	
5,666,030	A	9/1997	Parson	
5,673,403	A*	9/1997	Brown et al.	715/744
5,751,979	A	5/1998	McCrory	
5,826,013	A	10/1998	Nachenberg	
5,918,039	A	6/1999	Buswell et al.	

OTHER PUBLICATIONS

Kevin Townsend; "Spyware, Adware, and Peer to Peer Networks; The Hidden Threat to Corporate Security" © Pest Patrol, 2003.

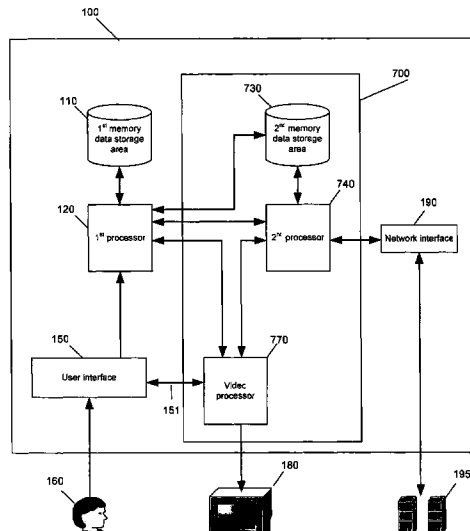
(Continued)

Primary Examiner—Christian LaForgia
(74) *Attorney, Agent, or Firm*—Allen F Rozman

(57) **ABSTRACT**

In a computer system, a first electronic data processor is communicatively coupled to a first memory space and a second memory space. A second electronic data processor is communicatively coupled the second memory space and to a network interface device. The second electronic data processor is capable of exchanging data across a network of one or more computers via the network interface device. A video processor is adapted to combine video data from the first and second electronic data processors and transmit the combined video data to a display terminal for displaying the combined video data in a windowed format. The computer system is configured such that a malware program downloaded from the network and executing on the second electronic data processor is incapable of initiating access to the first memory space.

20 Claims, 11 Drawing Sheets



U.S. PATENT DOCUMENTS

6,507,948 B1* 1/2003 Curtis et al. 717/174
6,546,554 B1 4/2003 Schmidt et al.
6,553,377 B1 4/2003 Eschelbeck et al.
6,578,140 B1 6/2003 Policard
6,581,162 B1 6/2003 Angelo et al.
6,633,963 B1 10/2003 Ellison et al.
6,658,573 B1 12/2003 Bischof et al.
6,663,000 B1 12/2003 Muttik et al.
6,678,712 B1* 1/2004 McLaren et al. 718/100
6,678,825 B1 1/2004 Ellison et al.
6,735,700 B1 5/2004 Flint et al.
7,146,640 B2* 12/2006 Goodman et al. 726/16
7,260,839 B2* 8/2007 Karasaki 726/11
2002/0066016 A1 5/2002 Riordan
2002/0174349 A1 11/2002 Wolff et al.
2003/0023857 A1 1/2003 James et al.

2003/0097591 A1 5/2003 Phan et al.
2003/0177397 A1 9/2003 Samman
2004/0006715 A1 1/2004 Skrepetos
2004/0034794 A1 2/2004 Mayer et al.
2004/0039944 A1* 2/2004 Karasaki 713/201
2004/0054588 A1 3/2004 Jacobs et al.
2005/0240810 A1* 10/2005 Safford et al. 714/10
2006/0004667 A1* 1/2006 Neil 705/59

OTHER PUBLICATIONS

David Stang, PhD; "Beyond Viruses: Why Anti-Virus Software is No Longer Enough", © Pest Patrol 2002.
"The Web: Threat or Menace?" From "Firewalls and Internet Security: Repelling the Wiley Hacker", Second Edition, Addison-Wesley, ISBN 0-201-63466-X, 2003 ©.

* cited by examiner

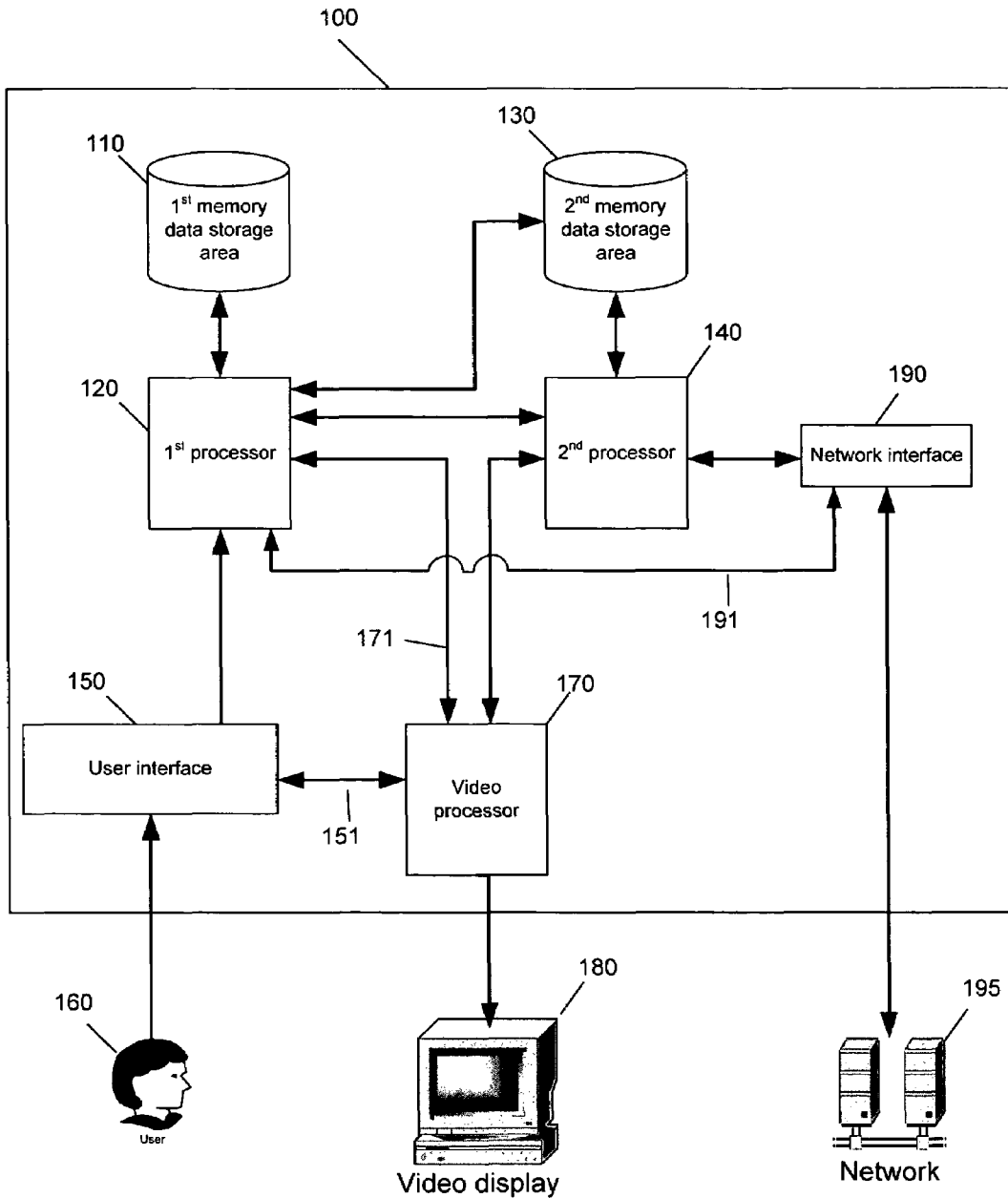


Fig. 1

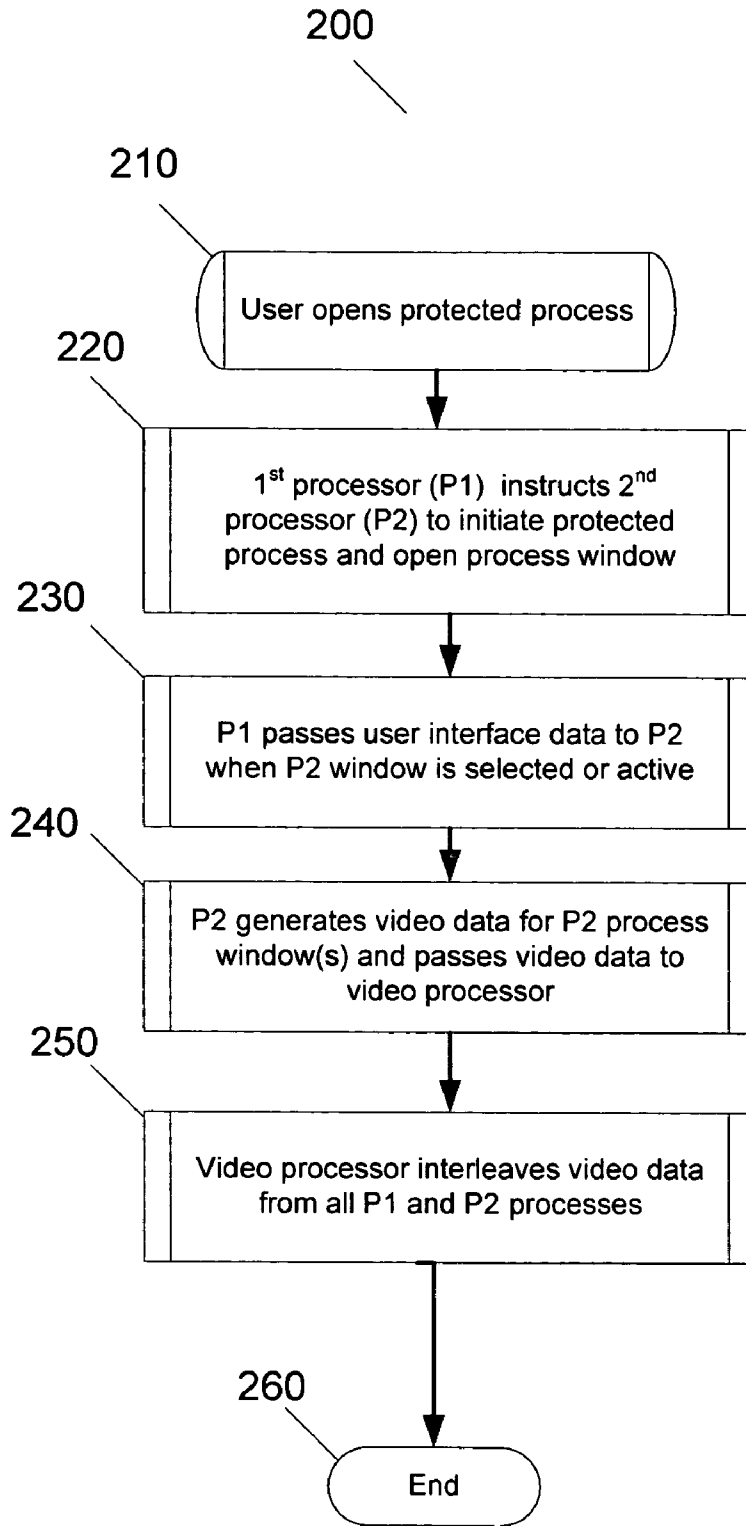


Fig. 2

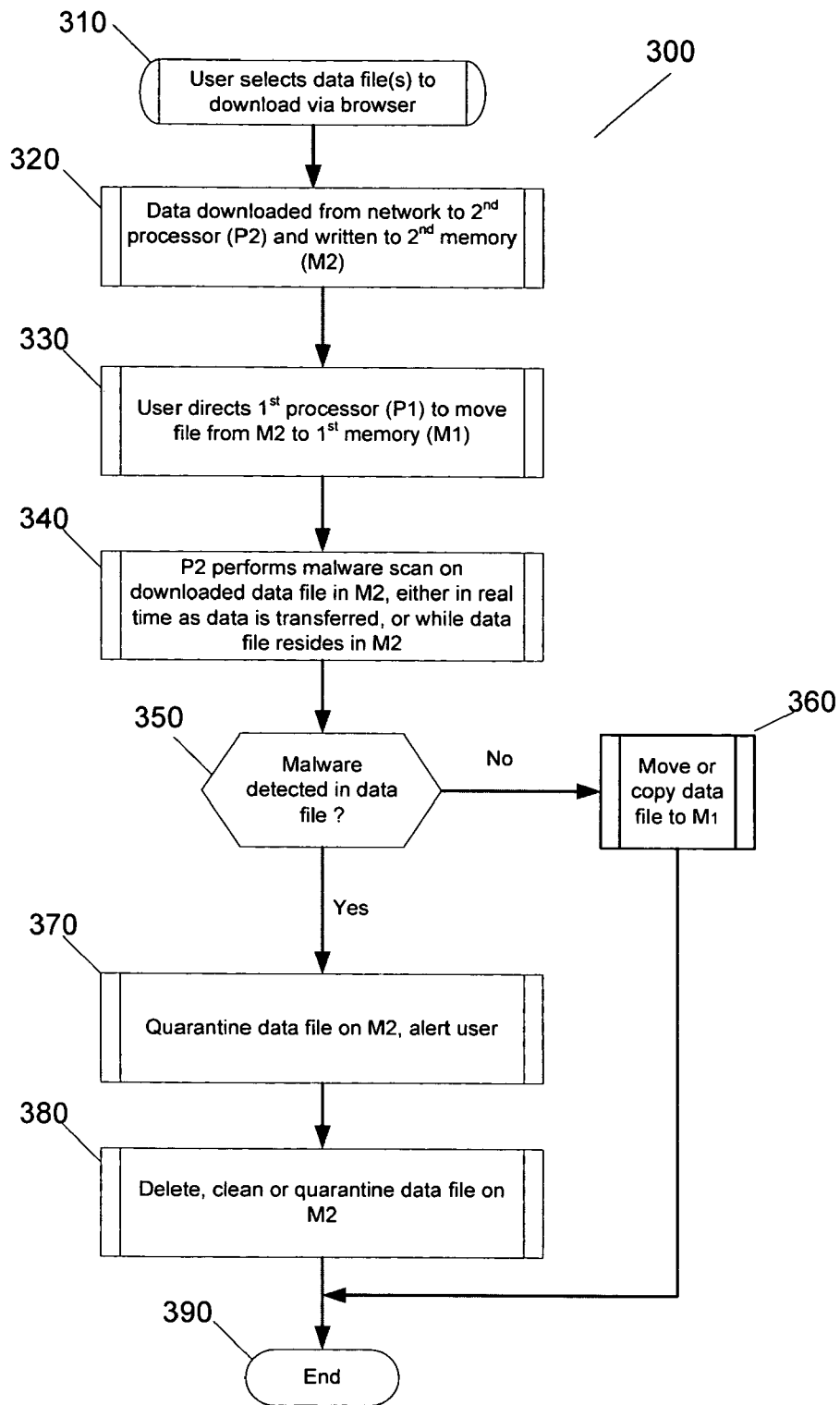


Fig. 3

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.