

(12) **United States Patent**
Corthell

(10) **Patent No.:** **US 6,192,477 B1**
(45) **Date of Patent:** **Feb. 20, 2001**

(54) **METHODS, SOFTWARE, AND APPARATUS FOR SECURE COMMUNICATION OVER A COMPUTER NETWORK**

(75) Inventor: **David Corthell**, San Francisco, CA (US)

(73) Assignee: **Dagg LLC**, Lake Oswego, OR (US)

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

(21) Appl. No.: **09/243,097**

(22) Filed: **Feb. 2, 1999**

(51) Int. Cl.⁷ **G06F 11/00**

(52) U.S. Cl. **713/201; 380/49**

(58) **Field of Search** 713/201, 200, 713/202; 380/4, 23, 25, 30, 42, 49; 340/825.31, 825.34

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,936,601	*	2/1976	Obeginski	.....	178/22
4,672,572	*	6/1987	Alsberg	.....	364/900
4,882,779	*	11/1989	Rahtgen	.....	380/24
5,010,572	*	4/1991	Bathrick et al.	.....	380/21
5,126,728	*	6/1992	Hall	.....	340/825.3
5,204,903	*	4/1993	Okada et al.	.....	380/46
5,311,593	*	5/1994	Carmi	.....	380/23

5,428,745	*	6/1995	De Breijn et al.	.....	395/200
5,561,770	*	10/1996	De Bruijn et al.	.....	395/200.06
5,594,796	*	1/1997	Grube et al.	.....	380/25
5,619,671		4/1997	Bryant et al.	.....	395/412
5,623,601		4/1997	Vu	.....	395/187.01
5,628,023		5/1997	Bryant et al.	.....	395/800
5,864,683		1/1999	Boebert et al.	.....	395/200.79
5,892,903		4/1999	Klaus	.....	395/187.01
5,961,645		10/1999	Baker	.....	713/201
5,991,402		11/1999	Jia et al.	.....	380/9
6,028,937	*	2/2000	Tatebayashi et al.	.....	380/25

* cited by examiner

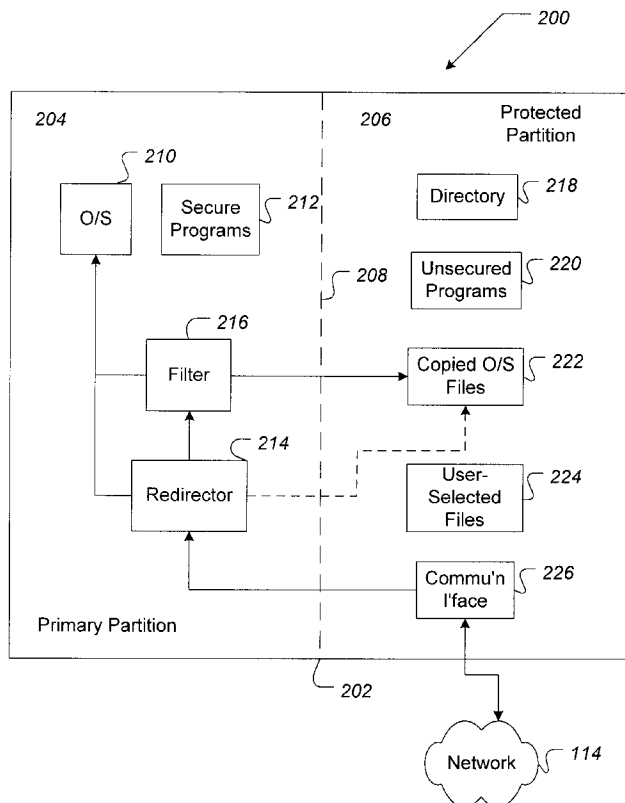
Primary Examiner—Nadeem Iqbal

(74) *Attorney, Agent, or Firm*—David P. Lentini

(57) **ABSTRACT**

A method for performing secure communication between a first user's computer and second remote computer over a computer network is described. According to one embodiment of this aspect, the data space of the first computer is partitioned into a first secure portion and a second network interface portion. Communication is established between the first and a second computer, and redirection and filter mechanisms are initialized. An instruction is received by the first computer, analyzed by the redirection mechanism, and passed to the filter if the instruction is a protected instruction. The protected instruction is verified by the filter and processed if the verification is successful.

33 Claims, 8 Drawing Sheets



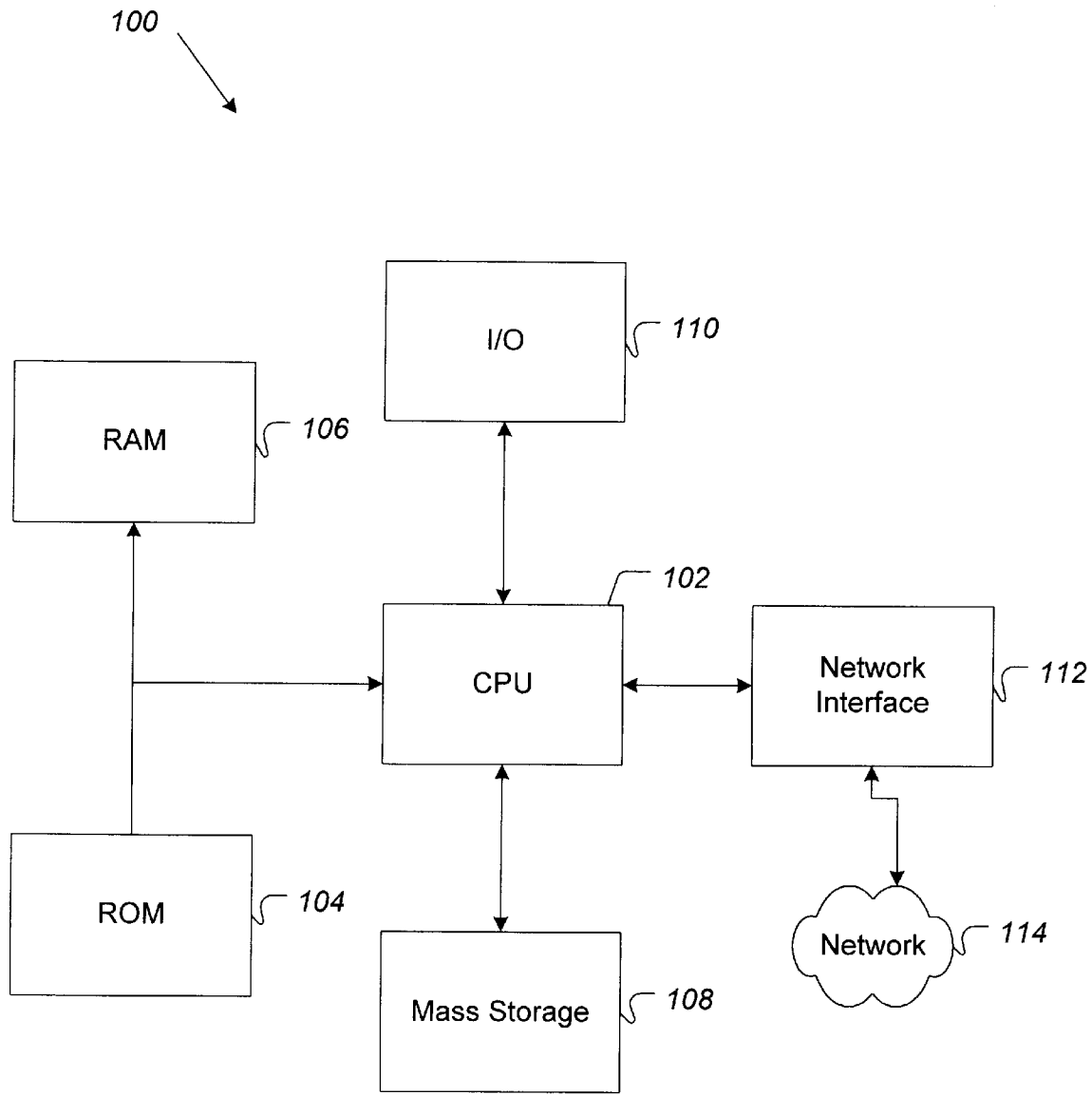


Figure 1

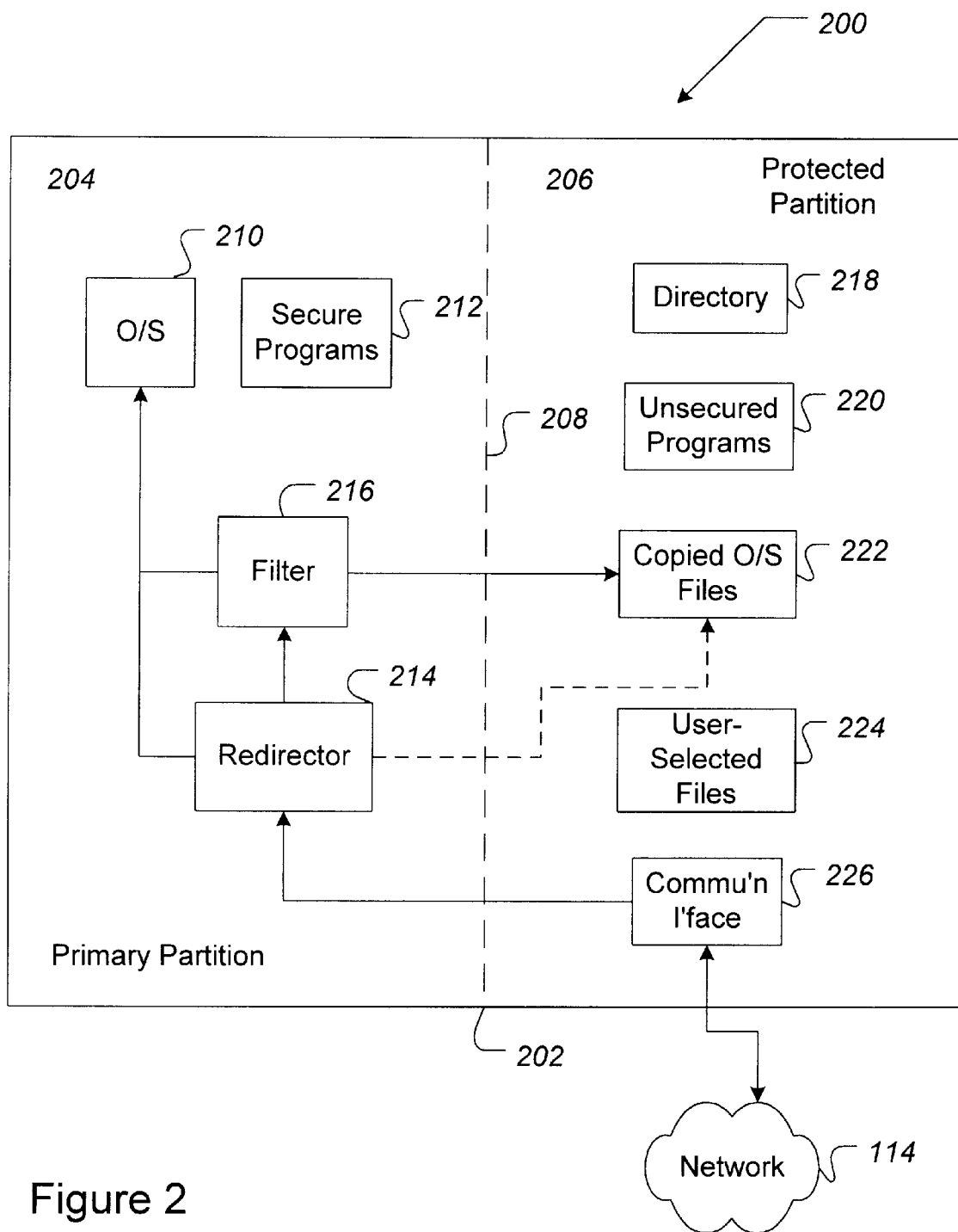


Figure 2

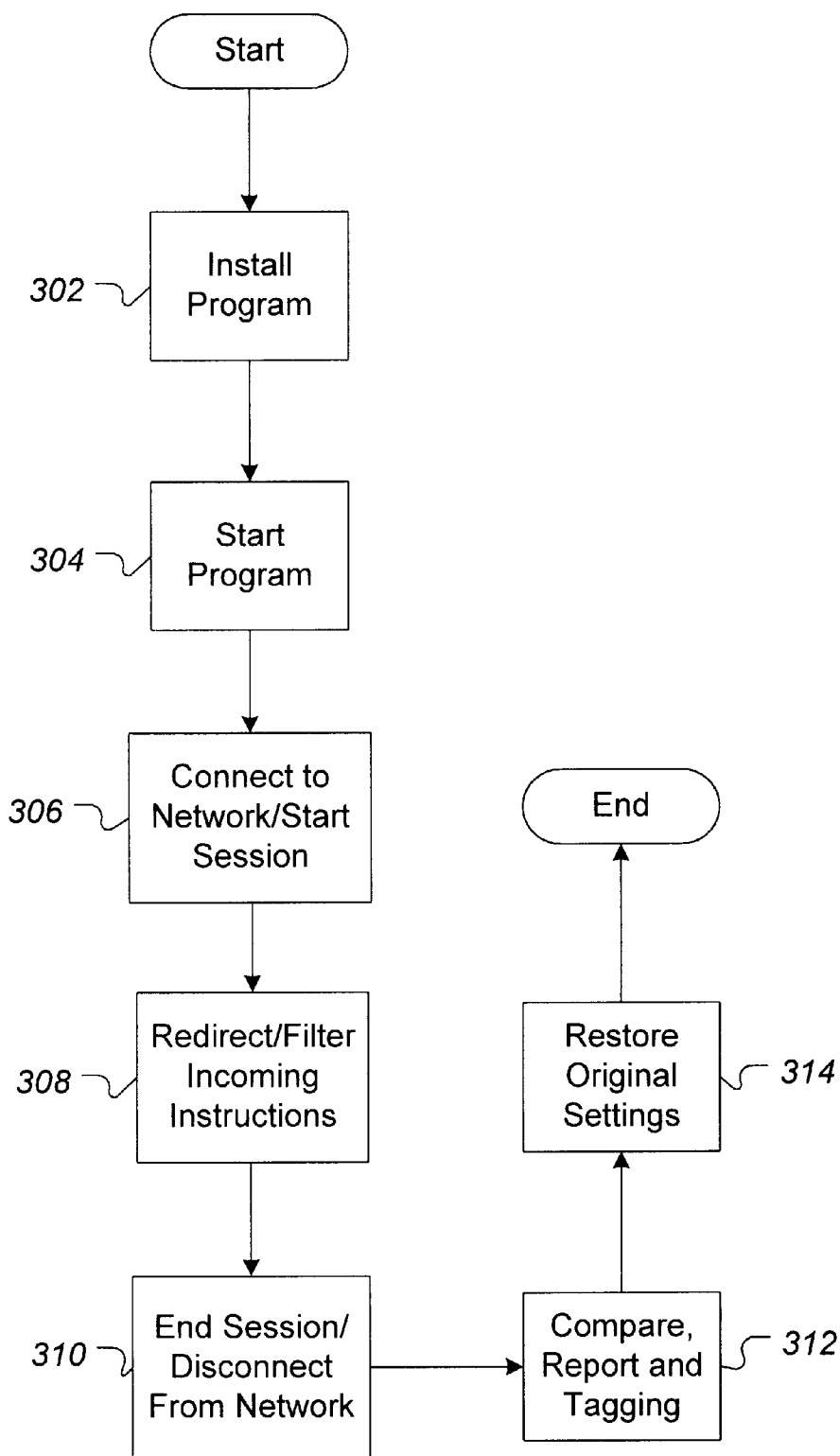


Figure 3

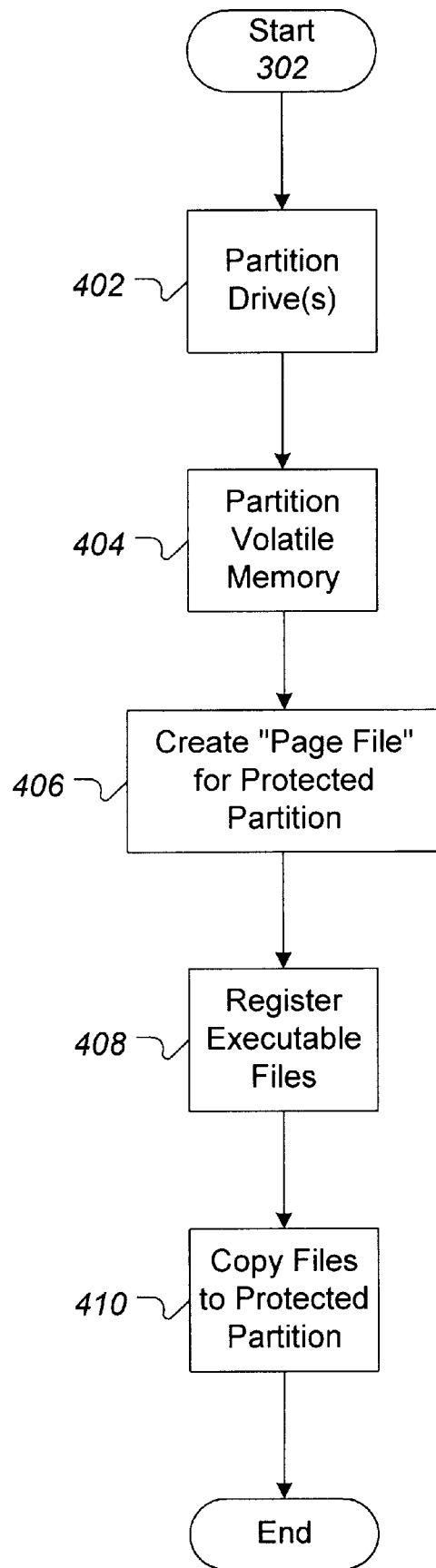


Figure 4

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.