



US007181497B1

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

(10) **Patent No.:** **US 7,181,497 B1**  
(45) **Date of Patent:** **\*Feb. 20, 2007**

(54) **MESSAGING APPLICATION USER INTERFACE FOR AUTO-COMPLETING ADDRESS TEXT AND MODIFYING THE AUTO-COMPLETION BEHAVIOR**

5,896,321 A \* 4/1999 Miller et al. .... 365/189.01  
6,208,339 B1 \* 3/2001 Atlas et al. .... 715/780  
6,279,016 B1 8/2001 De Vorchik et al.  
6,377,965 B1 4/2002 Hachamovitch et al.  
6,480,885 B1 \* 11/2002 Olivier ..... 709/207

(75) Inventors: **Barry Appelman**, Great Falls, VA (US); **Andrew L. Wick**, Fairfax, VA (US)

**OTHER PUBLICATIONS**

Thompson, "How to enable 'AutoComplete' feature", Google Group comp\_unix\_shell.htm, Dec. 23, 1998].\*  
Pioch, Nicholas. A Short IRC Primer [online], Jan. 1997. [retrieved on Mar. 14, 2002] Retrieved from the Internet: <URL: http://www.irchelp.org/irchelp/irceprimer.html>.  
Polito, Julie. "Track your key contacts; Multiactive Maximizer 5.0 vs. Polarix Packrat Pro 6.1" PC Computing, Oct. 1, 1998 p. 120 (abstract).

(73) Assignee: **America Online, Inc.**, Dulles, VA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 729 days.

This patent is subject to a terminal disclaimer.

(Continued)

Primary Examiner—Wen-Tai Lin

(74) Attorney, Agent, or Firm—Fish & Richardson P.C.

(21) Appl. No.: **10/348,004**

(57) **ABSTRACT**

(22) Filed: **Jan. 22, 2003**

**Related U.S. Application Data**

A messaging application user interface has an input element for receiving electronic messages and an output element for displaying electronic messages. The messaging application user interface can be implemented so as to maintain a subset of the plurality of potential message recipients, the subset being determined using a predetermined criterion. The messaging application user interface also can be implemented so as to auto-complete a partially entered address based on the subset of potential message recipients. A set of user-selectable signals that modify auto-completion behavior also can be used with the messaging application user interface. The messaging application user interface can be used in an instant messaging system to allow a user to send instant messages to and exchange comments with a plurality of other users without having to switch among several instant message windows.

(63) Continuation of application No. 09/404,757, filed on Sep. 24, 1999, now Pat. No. 6,539,421.

(51) **Int. Cl.**  
**G06F 15/16** (2006.01)  
**G06F 3/00** (2006.01)

(52) **U.S. Cl.** ..... **709/206; 709/207; 715/780**

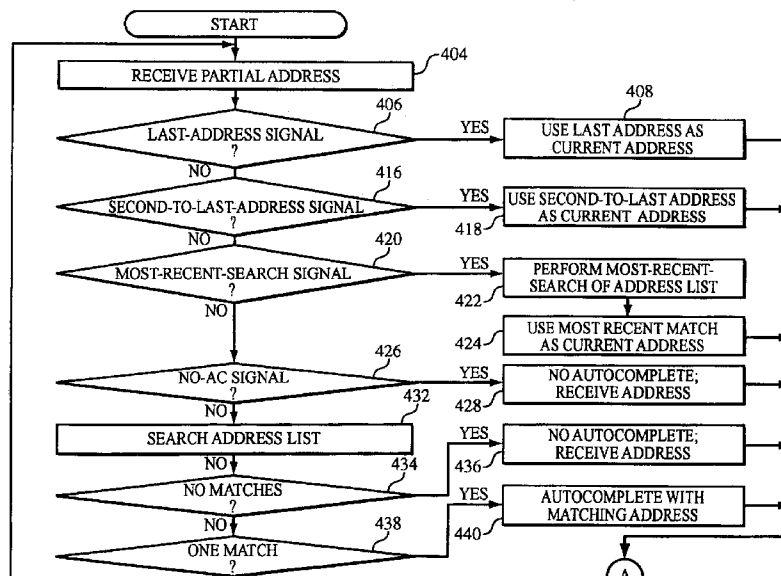
(58) **Field of Classification Search** ..... None  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,805,911 A 9/1998 Miller  
5,832,497 A 11/1998 Taylor  
5,845,300 A 12/1998 Comer et al.

**35 Claims, 21 Drawing Sheets**



OTHER PUBLICATIONS

Elkins, M.: "The Mutt E-Mail Client, version 1.0pre2", Internet Document, [Online], Sep. 1, 1999, pp. 1-84, XP002245042, Retrieved from the Internet: URL:ftp://ftp.nluug.nl/pub/mail/mutt/historic/mutt-1.0pre2.tar.gz [retrieved on Jun. 17, 2003].

Anonymous: "Readme of archive for TNT 1.7", Internet Document, [Online], Dec. 4, 1998, pp. 1-4, XP002245043, Retrieved from the Internet: URL:http://www.mit.edu/afs/athena/system/pmax\_u14/srvd.74/usr/sipb/src/tnt/tnt-1.7.tar.gz [retrieved on Jun. 17, 2003] the whole document.

Stephenson, P.: "A user's Guide to the Z-Shell", Internet Document, [Online], Jun. 2, 1999, pp. 1-335, XP002245044, Retrieved from the Internet: URL:http://zsh.sunsite.dk/Guide/zshguide.pdf [retrieved on Jun. 17, 2003].

Anonymous: "AOL Instant Messenger, User's Guide", Internet Document, [Online], Feb. 25, 1998, pp. 1-23, XP002245045, Retrieved from the Internet: URL:http://www.aim.aol.com/beta/uguide/index.html [retrieved on Jun. 6, 2003] the whole document.

Anonymous: "Netscape Page info for http://www.aim.aol.com/beta/uguide/index.html", Internet Document, Feb. 25, 1998, XP002245046, [retrieved on Jun. 17, 2003].

Anonymous: "Mutt News", Internet Document, [Online], pp. 1-2, XP002245047, Retrieved from the Internet: URL:http://www.mutt.org/news.html [retrieved on Jun. 17, 2003].

Anonymous: "FTP Page", Internet Document, [Online], Dec. 4, 1998, p. 1, XP002245048, Retrieved from the Internet: URL:http://www.mit.edu/afs/athena/system/pmax\_u14/srvd.74/usr/sipb/src/tnt/.html [retrieved on Jun. 17, 2003].

\* cited by examiner

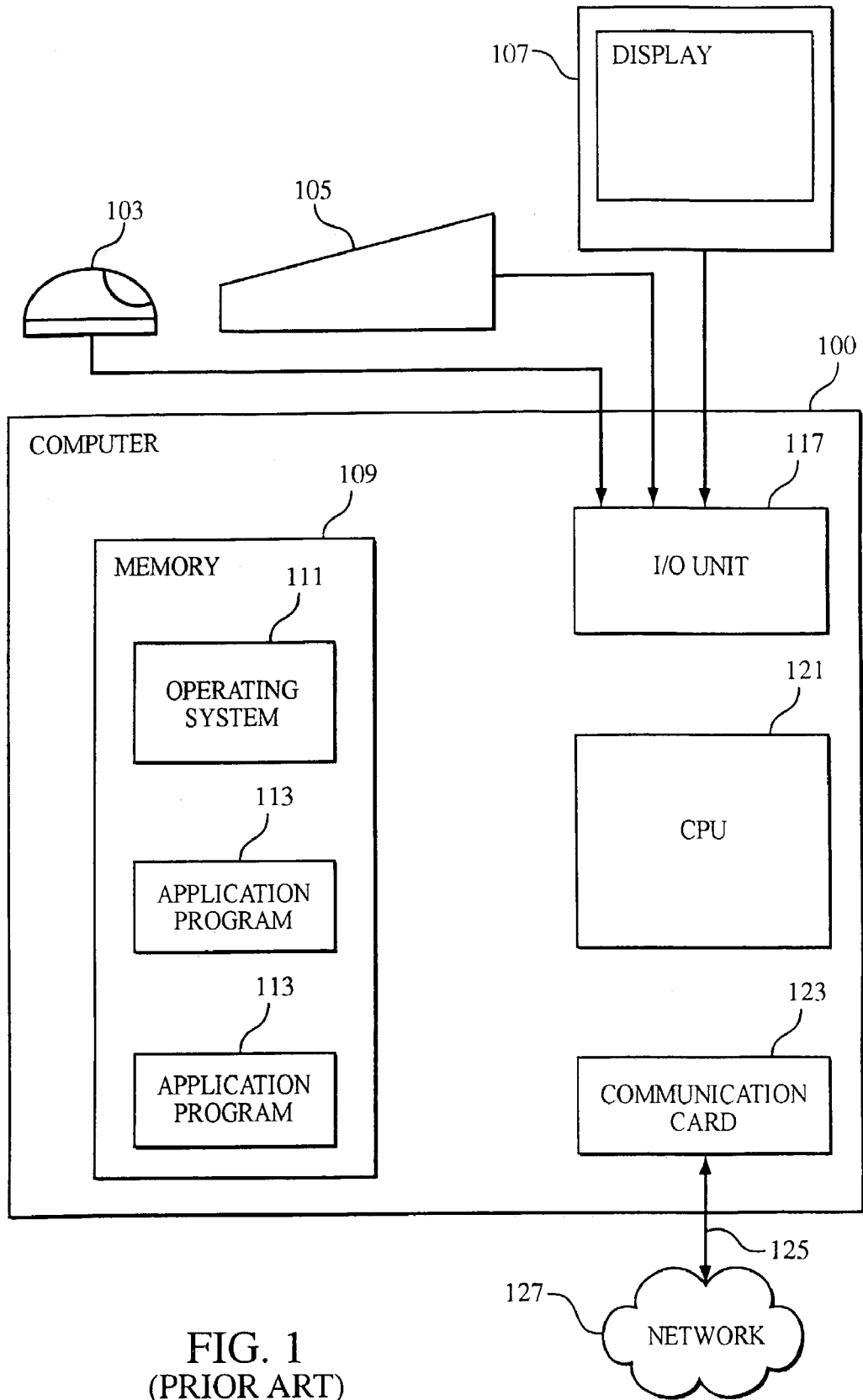


FIG. 1  
(PRIOR ART)

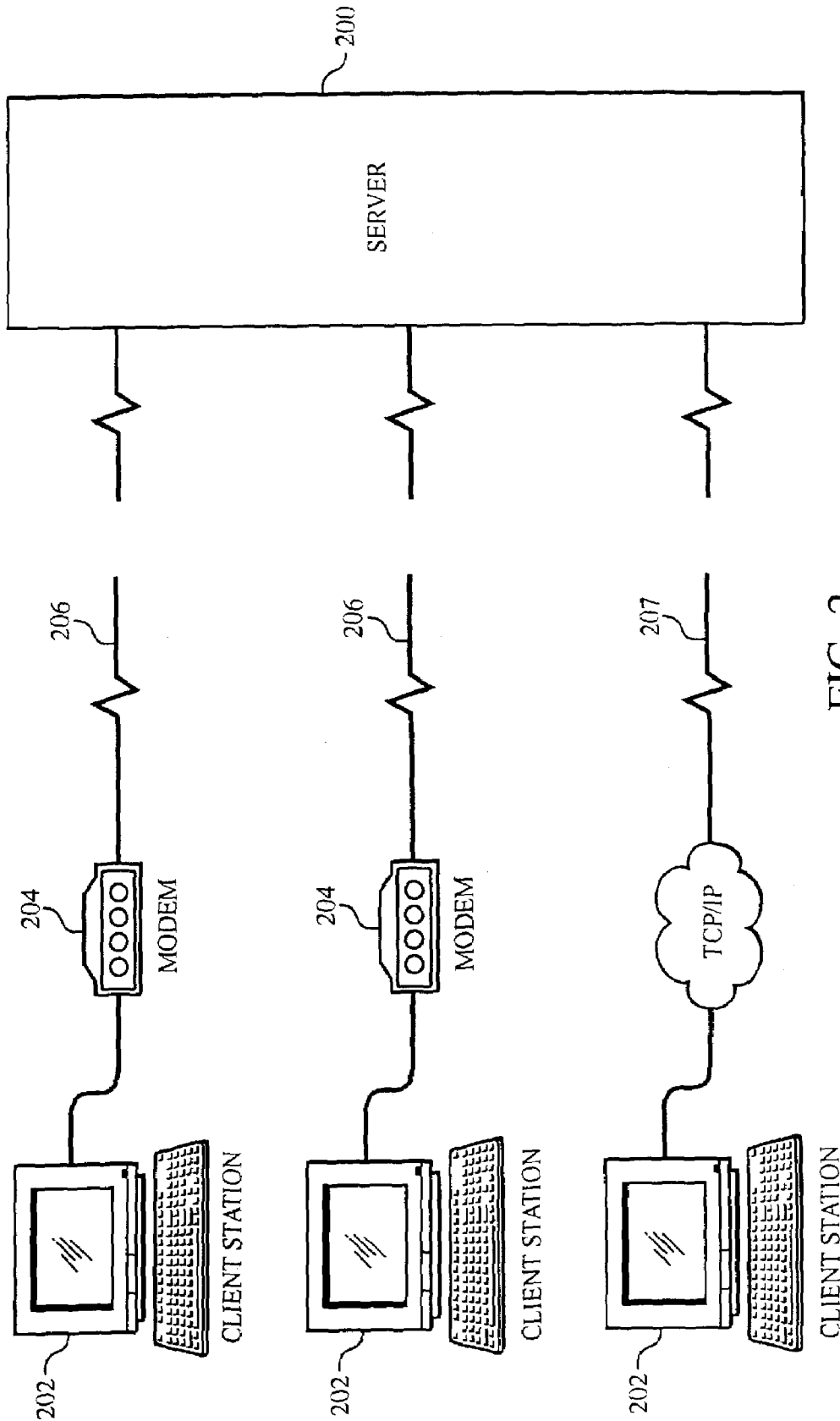


FIG. 2  
(PRIOR ART)

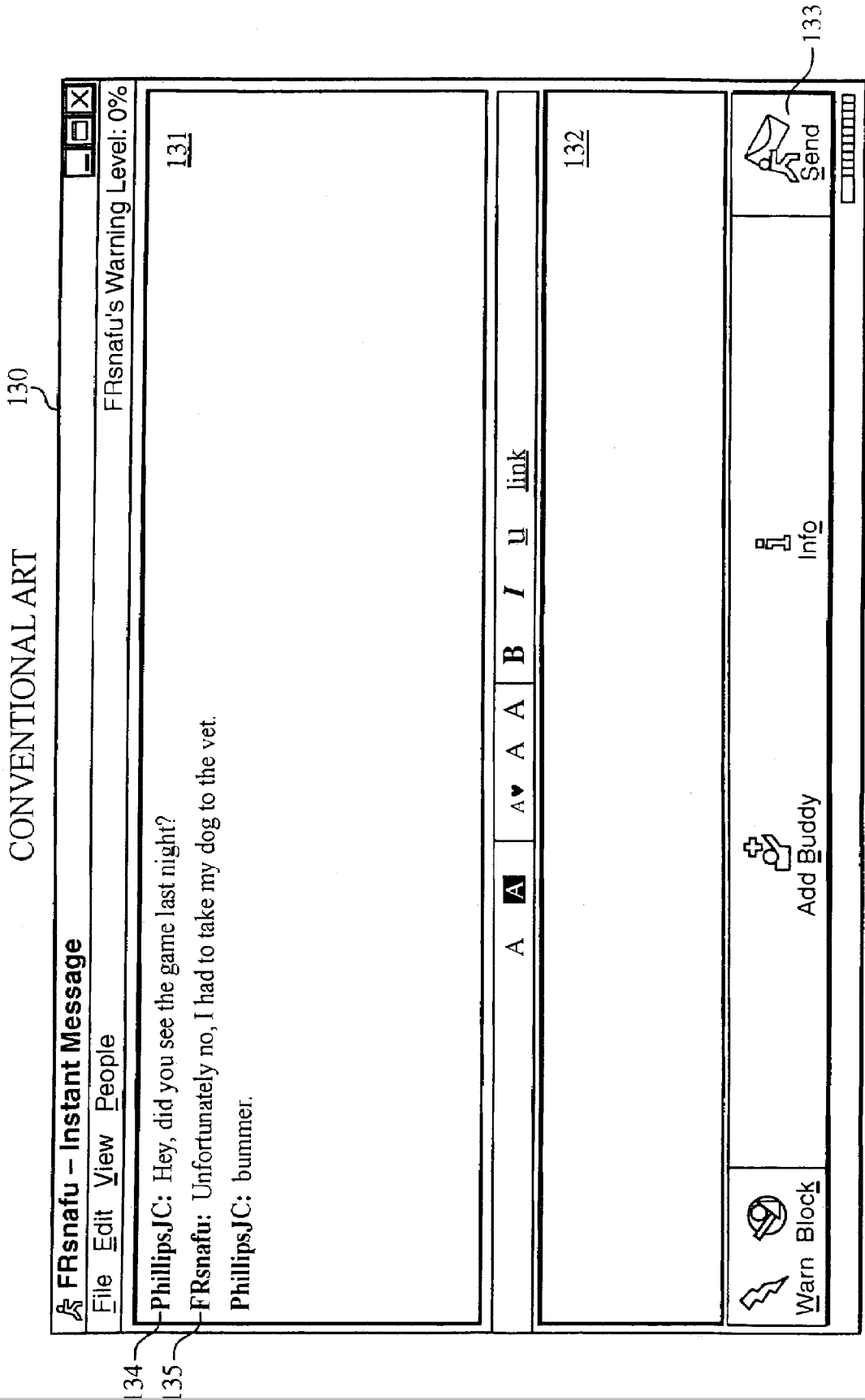


FIG. 3

# 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.