



[54] APPARATUS AND METHOD FOR MARKING TEXT ON A DISPLAY SCREEN IN A PERSONAL COMMUNICATIONS DEVICE

[75] Inventors: David Joseph Allard, Boynton Beach; James Robert Lewis, Coconut Creek; Debra Ann Gawne Johnson, Fort Lauderdale; Francis James Canova, Jr., Boynton Beach; Charles Sterling Lanier, Delray Beach; William Villafana, Davie; Byron Kevin Tiller, Boca Raton; Raymond Lee Yee, Coral Springs; Julie Francis Goodwin; Jean Luter Stout, both of Boca Raton; Peter Rowland Eastwood, Delray Beach; Daniel Ming-Te Hsieh; Connie Yudip Au, both of Coral Springs, all of Fla.

[73] Assignee: International Business Machines Corporation, Armonk, N.Y.

[21] Appl. No.: 576,834

[22] Filed: Dec. 21, 1995

Related U.S. Application Data

[63] Continuation of Ser. No. 279,639, Jul. 25, 1994, abandoned.

[51] Int. Cl.<sup>6</sup> G09G 5/00

[52] U.S. Cl. 345/173; 345/179

[58] Field of Search 345/156, 173, 345/179, 174, 180, 175, 158, 157, 168; 178/18, 19; 379/96; 341/22, 33, 34; 359/803

[56] References Cited

U.S. PATENT DOCUMENTS

4,202,038	5/1980	Petersson	364/709
4,570,217	2/1986	Allen et al.	364/188
4,707,845	11/1987	Krein et al.	178/18
4,728,936	3/1988	Guscott et al.	345/173
4,839,634	6/1989	More et al.	345/173
4,870,677	9/1989	Di Santo et al.	379/96
4,908,612	3/1990	Bromley et al.	345/168

4,914,358	4/1990	Nakamura	341/73
4,972,496	11/1990	Sklarew	178/18
5,142,677	8/1992	Ehlig et al.	395/650
5,157,737	10/1992	Sklarew	178/18
5,194,852	3/1993	More et al.	345/182
5,258,748	11/1993	Jones	345/172
5,297,216	3/1994	Sklarew	382/13
5,305,446	4/1994	Leach et al.	395/425
5,335,276	8/1994	Thompson et al.	379/434
5,347,295	9/1994	Agulnick et al.	345/156
5,376,945	12/1994	Takemaka et al.	345/173
5,555,363	9/1996	Tau et al.	395/803

OTHER PUBLICATIONS

"Mouse Emulation for Digitizer/Touch Panel" IBM Technical Disclosure Bulletin vol. 33 No. 7 Dec. 1990, pp. 216-217.

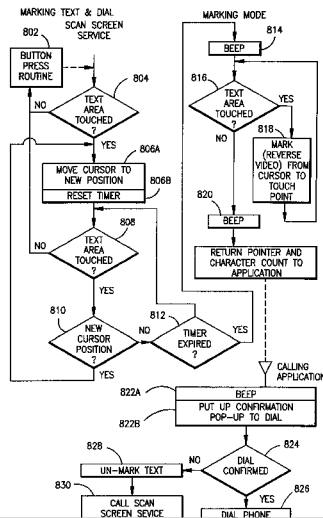
"Simon" from Bell South Designed by IBM.

Primary Examiner—Dennis-Doon Chow  
Attorney, Agent, or Firm—Pollock, Vande Sande & Priddy; George Grosser

[57] ABSTRACT

In a personal communications device having a touch sensitive display screen, text may be marked by a user to be used with different applications. In particular, to begin marking, a user has to maintain his touch at a location on the screen for a short predetermined period of time until the system detects that the position is held over the same character for a delayed period, at which time the system beeps to provide an indication that there has been a change of operation mode. The marking mode continues in operation until the user removes his contact from the touch screen. Thus, text over which the contact point passes after the initiation of the marking mode is marked, until the user removes his contact point from the touch screen. A second beep is sounded to alert the user of the termination of the marking mode, and the appearance of a menu of operations on the screen. The menu of operations echoes the marked text for user confirmation. The marked text may be used by the user in a number of applications, among which include a calling application whereby the marked text is used to place a call.

1 Claim, 6 Drawing Sheets



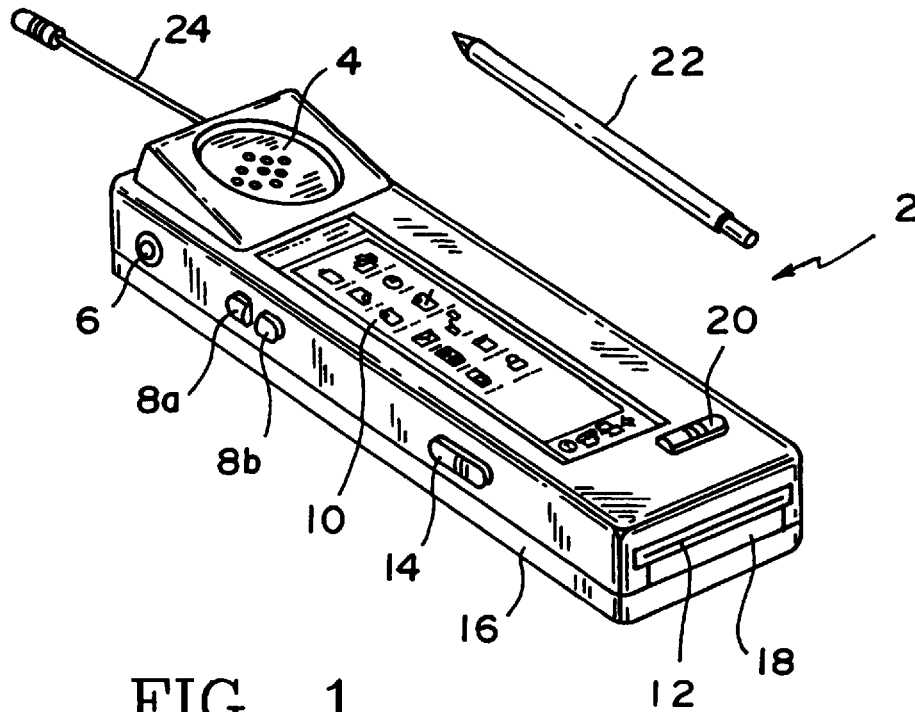


FIG. 1

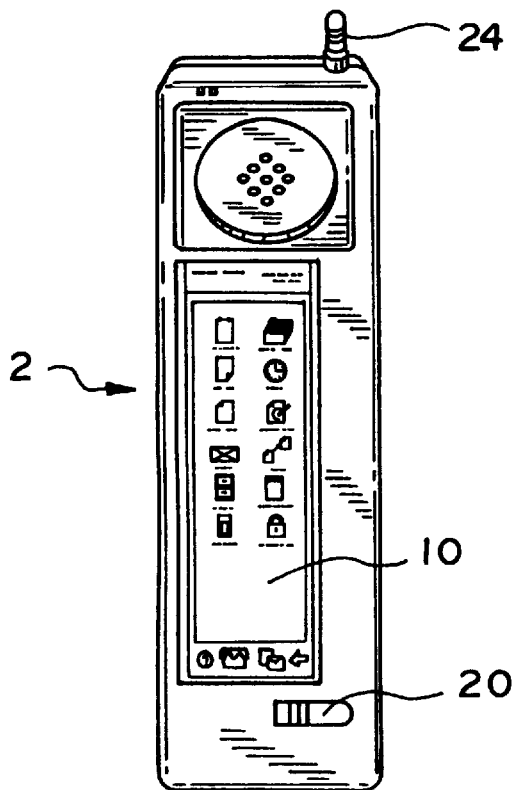
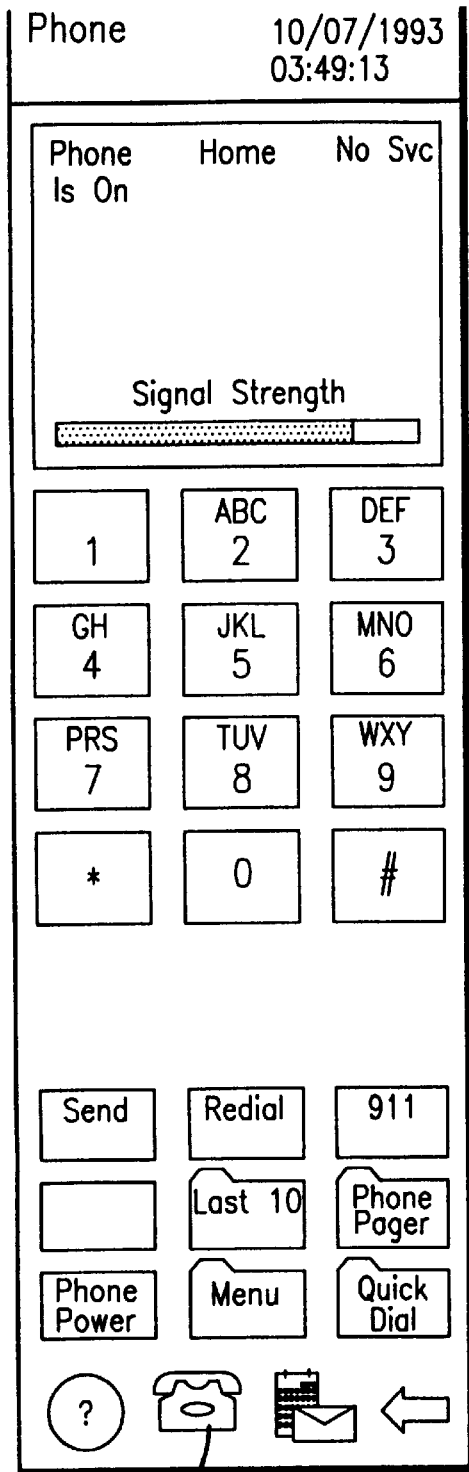


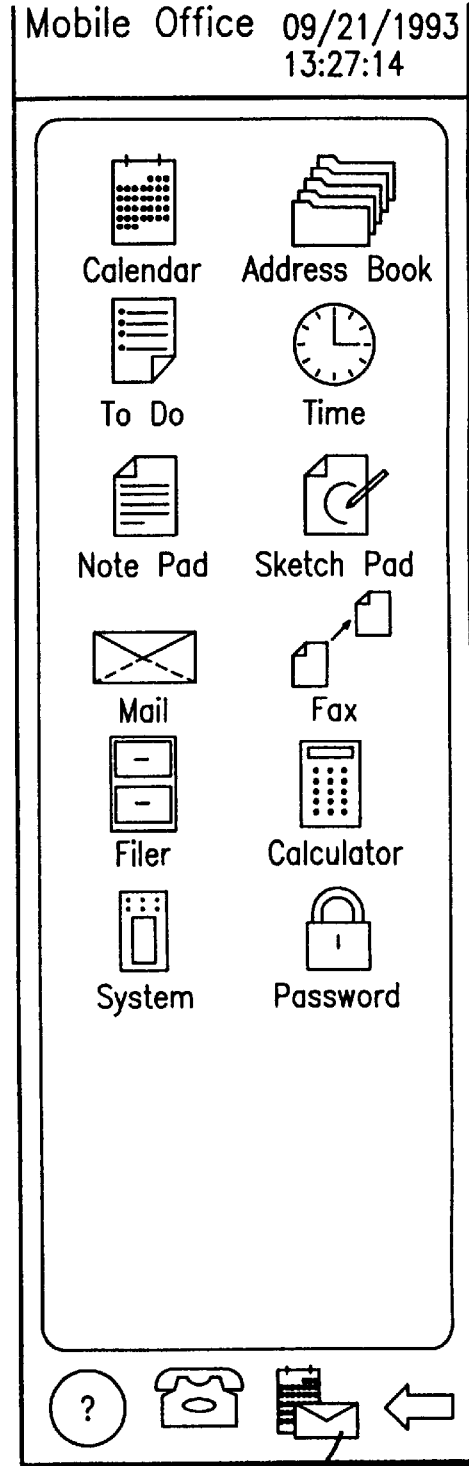
FIG. 2



26

The Phone Screen

FIG. 3



28

The Mobile Office Screen

FIG. 4

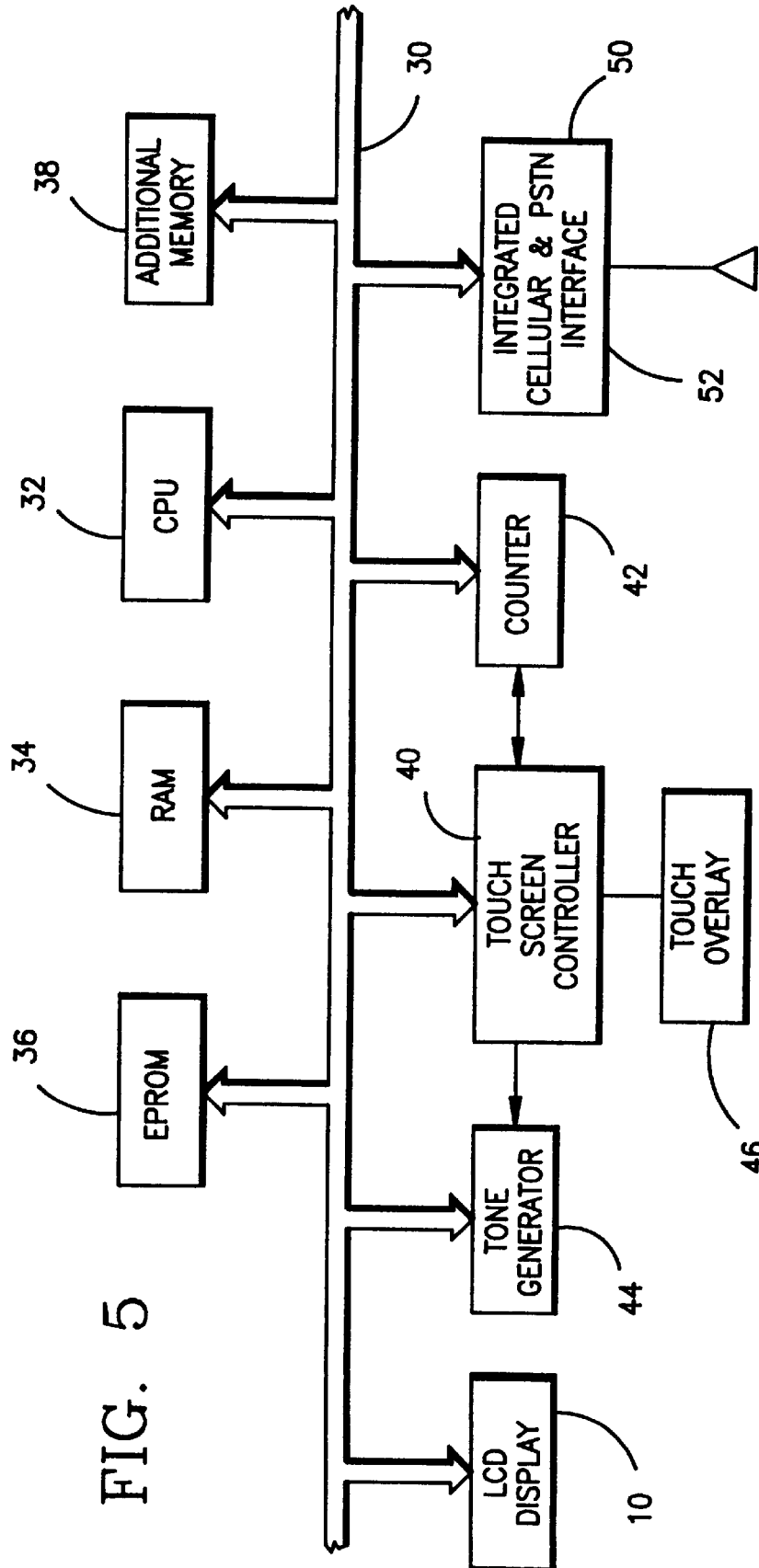


FIG. 5

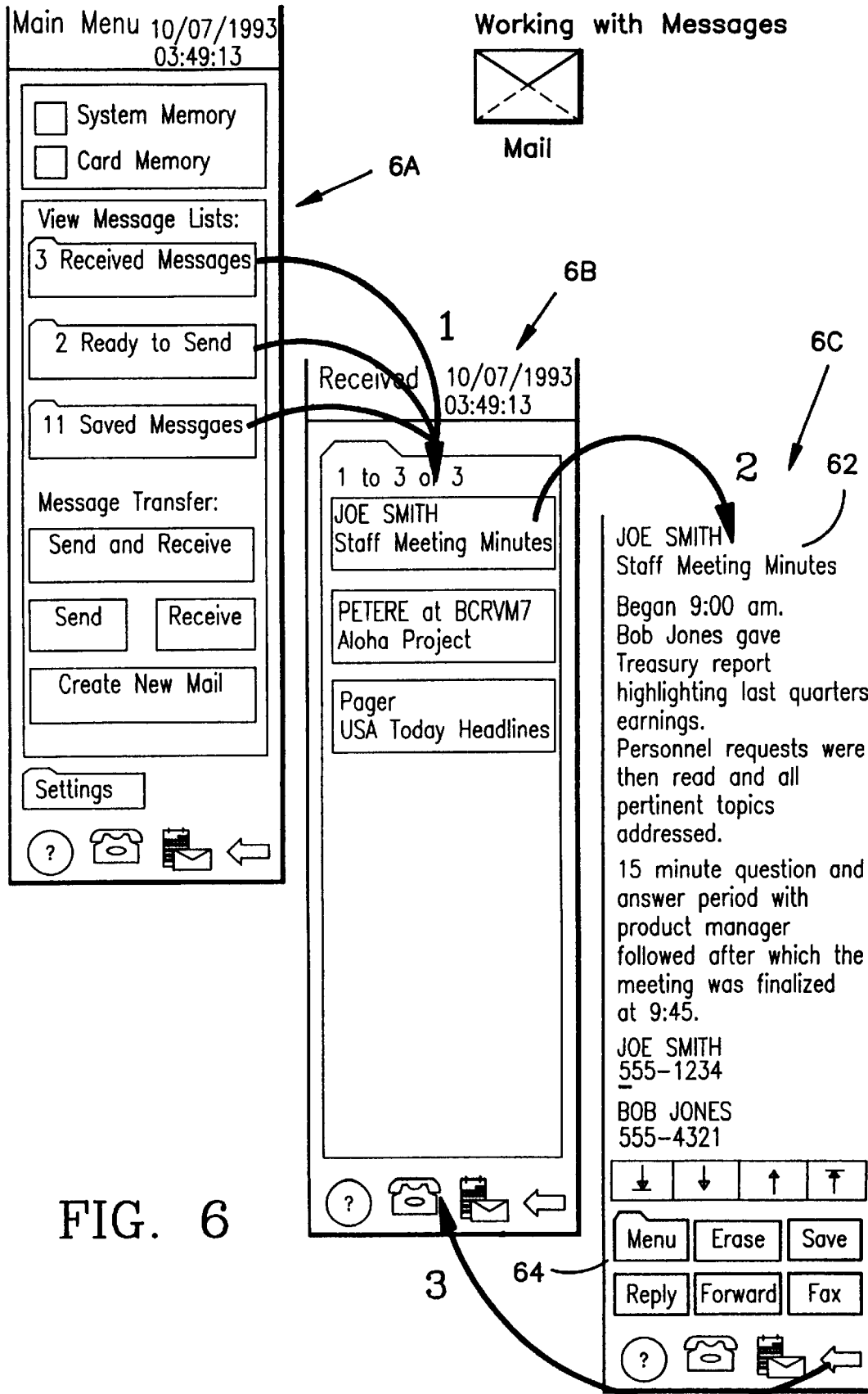


FIG. 6

# 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.