



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

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(54) **DRAG-AND-RELEASE METHOD FOR CONFIGURING USER-DEFINABLE FUNCTION KEY OF HAND-HELD COMPUTING DEVICE**

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Martin F. Eberhard, Woodside; **Lance Ueyehara**, Fremont, all of CA (US)

14 page copy of Interactive Distributed Multimedia Systems and Telecommunication Services, 4th International Workshop, dated Sep. 10–12, 1997 pertaining to Multimedia Client Implementation on Personal Digital Assistants, pp. 283 through 295.

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

* cited by examiner

(21) Appl. No.: **09/086,096**

Primary Examiner—Steven Sax

(22) Filed: **May 28, 1998**

(74) *Attorney, Agent, or Firm*—Townsend and Townsend and Crew LLP

Related U.S. Application Data

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(51) **Int. Cl.**⁷ **G06F 15/00**

(52) **U.S. Cl.** **345/358; 345/146**

(58) **Field of Search** 395/358, 398, 395/352–354, 355, 356–357, 340–347, 339, 145, 146, 433, 435, 349

(57) **ABSTRACT**

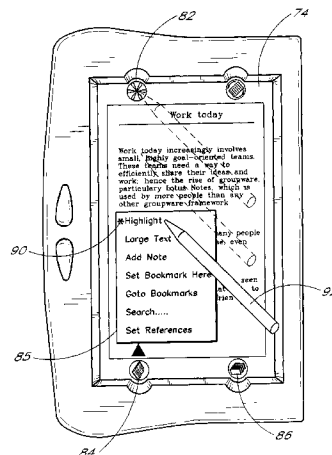
An electronic reading system is disclosed which allows users to download books and other types of content to a hand-held reader device for viewing. Using software which runs on a personal computer (PC), the user can download titles from Internet sites to the PC. Titles are then automatically transferred to the device when the device is placed in a cradle which is connected to the PC. Using the device's touch-sensitive display and graphical user interface, the user can access various software-implemented features associated with the display and management of the content. One feature is a user-definable hotkey that can be "dragged and dropped" onto a menu item to create a shortcut to that item. Another feature allows the user to tap twice on a displayed word to cause the device to look the word up in a prespecified or default reference title, such as a dictionary or an encyclopedia. Another feature allows the user to block a passage on the touch-sensitive display and then specify one or more destinations (email addresses, file folders, fax numbers, printers, etc.) for routing the passage; when the device is subsequently placed in the cradle, the passage is automatically retrieved by the PC and routed to the specified destination(s). The device also implements a user interface feature for allowing the user to rapidly and conveniently adjust the orientation of the displayed title.

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20 Claims, 15 Drawing Sheets



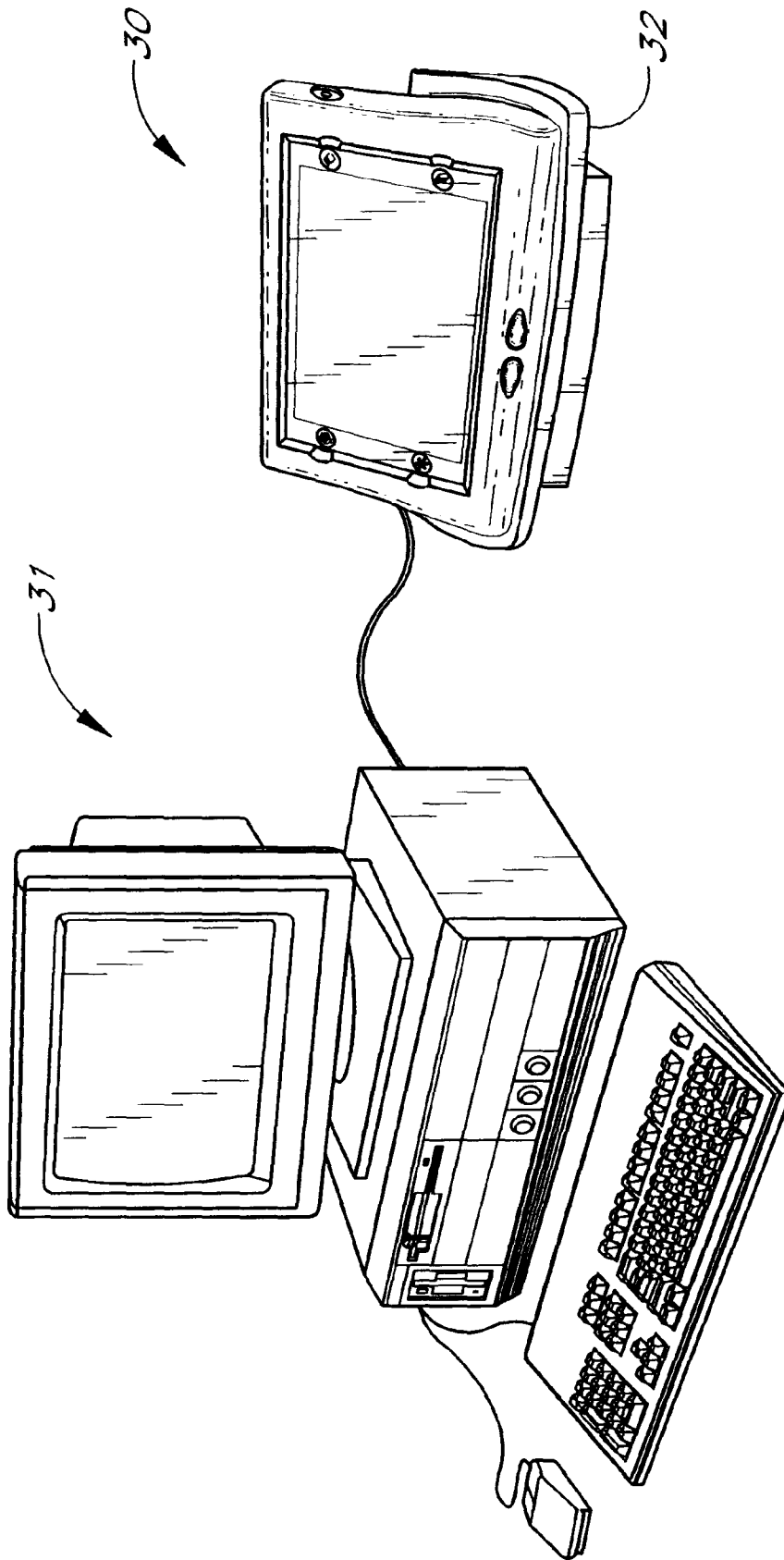


FIG. 1

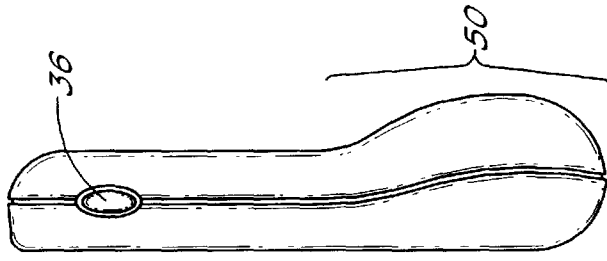


FIG. 3

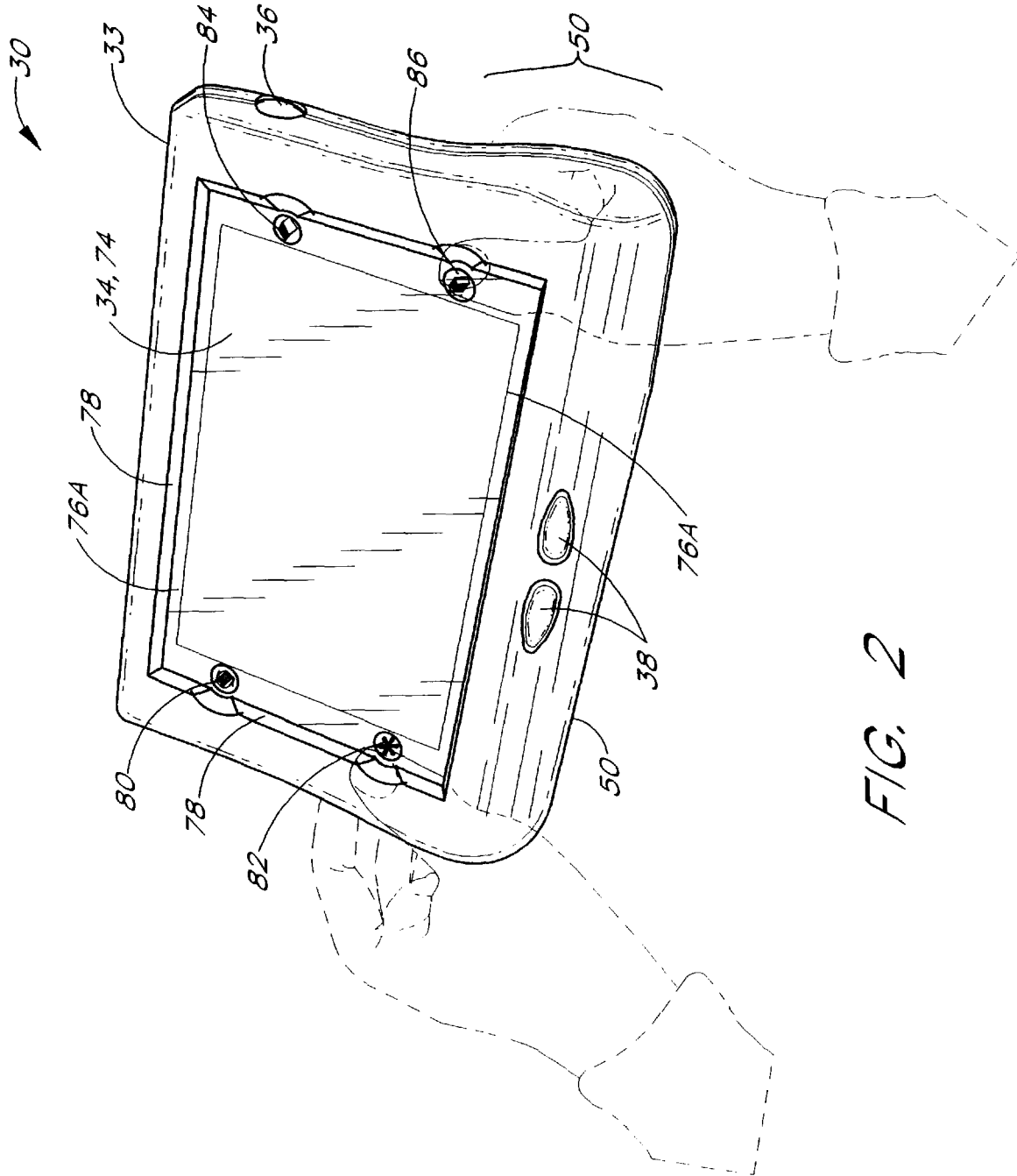


FIG. 2

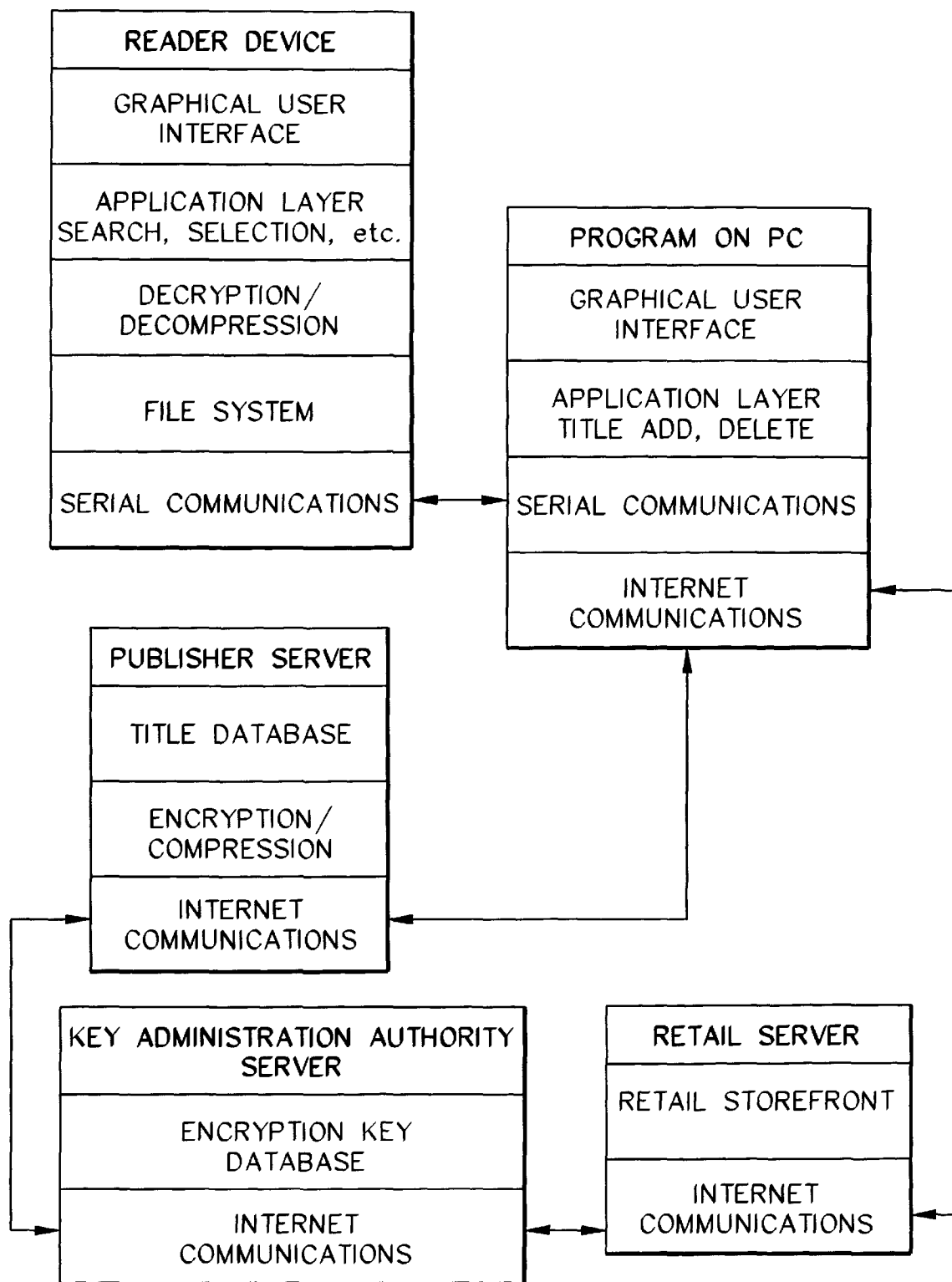


FIG. 4

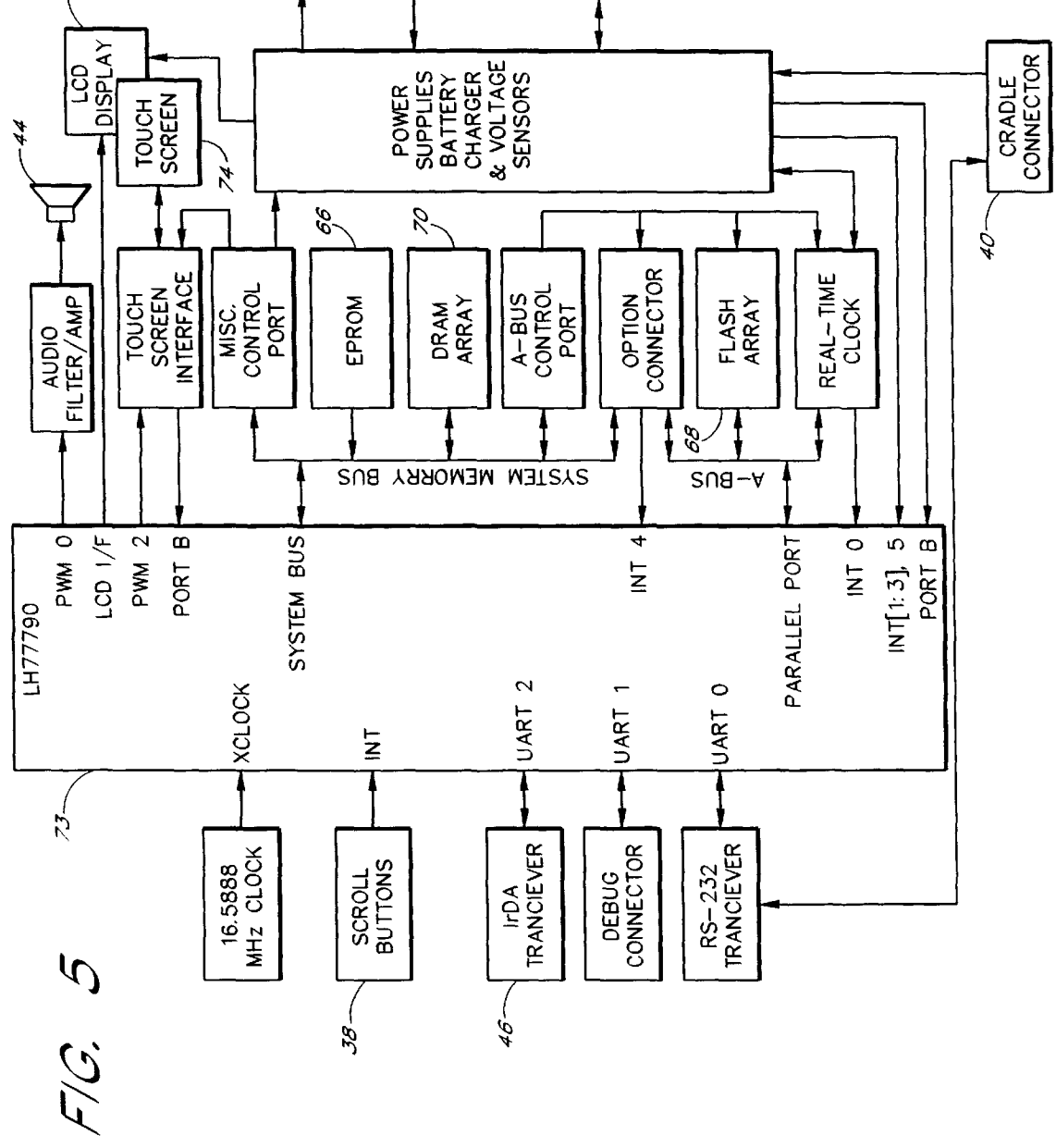


FIG. 5

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