



US005912743A

**United States Patent** [19]  
**Kinebuchi et al.**

[11] **Patent Number:** **5,912,743**  
[45] **Date of Patent:** **Jun. 15, 1999**

[54] **TERMINAL DEVICE**  
[75] **Inventors:** **Tadashi Kinebuchi; Hiroyuki Baba;**  
**Masanori Konishi; Akihiro Gomi,** all  
of Suwa, Japan  
[73] **Assignee:** **Seiko Epson Corporation,** Tokyo,  
Japan

5,128,862 7/1992 Mueller .  
5,235,509 8/1993 Mueller et al. .  
5,262,938 11/1993 Rapoport et al. .  
5,377,319 12/1994 Kitahara et al. .  
5,454,721 10/1995 Kuch .  
5,566,069 10/1996 Clark, Jr. et al. .  
5,594,920 1/1997 Ebina et al. .  
5,606,374 2/1997 Bertram .  
5,657,461 8/1997 Harkins et al. .

[21] **Appl. No.:** **08/664,463**

[22] **Filed:** **Jun. 14, 1996**

[30] **Foreign Application Priority Data**

Jun. 16, 1995 [JP] Japan ..... 7-150619  
Jul. 27, 1995 [JP] Japan ..... 7-192289  
Sep. 22, 1995 [JP] Japan ..... 7-269354

[51] **Int. Cl.<sup>6</sup>** ..... **H04N 1/32**

[52] **U.S. Cl.** ..... **358/442; 358/468; 345/348;**  
**434/428**

[58] **Field of Search** ..... **358/400, 434,**  
**358/442, 468; 395/114-116, 967; 345/173,**  
**145, 146, 400, 441, 348, 349; 434/428,**  
**429; H04N 1/32**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,468,750 8/1984 Chamoff et al. .  
4,547,851 10/1985 Kurland .  
4,553,222 11/1985 Kurland et al. .  
4,851,994 7/1989 Toda et al. .  
5,003,472 3/1991 Perrill et al. .

**FOREIGN PATENT DOCUMENTS**

0 140 302 A2 5/1985 European Pat. Off. .  
WO 89/00321 1/1989 France .

**OTHER PUBLICATIONS**

InformationWeek, Aug. 16, 1993, USA, p. 49 XP002037298  
Wilson L: "Arby's IT: rare and well done" See 'Here's the  
beef' and 'Behind the scenes'.

*Primary Examiner*—Kim Yen Vu  
*Attorney, Agent, or Firm*—Mark P. Watson

[57] **ABSTRACT**

An order-taking terminal device enables a customer to order  
food, but can respond rapidly to changes and additions to the  
menu. When this terminal device starts up, it receives an  
operating program and image data from main management  
equipment. The order-taking terminal device stores the thus  
received operating program and image data and displays a  
menu screen on a display screen on the basis of the thus  
stored operating program and image data.

**32 Claims, 26 Drawing Sheets**

FIG. 1

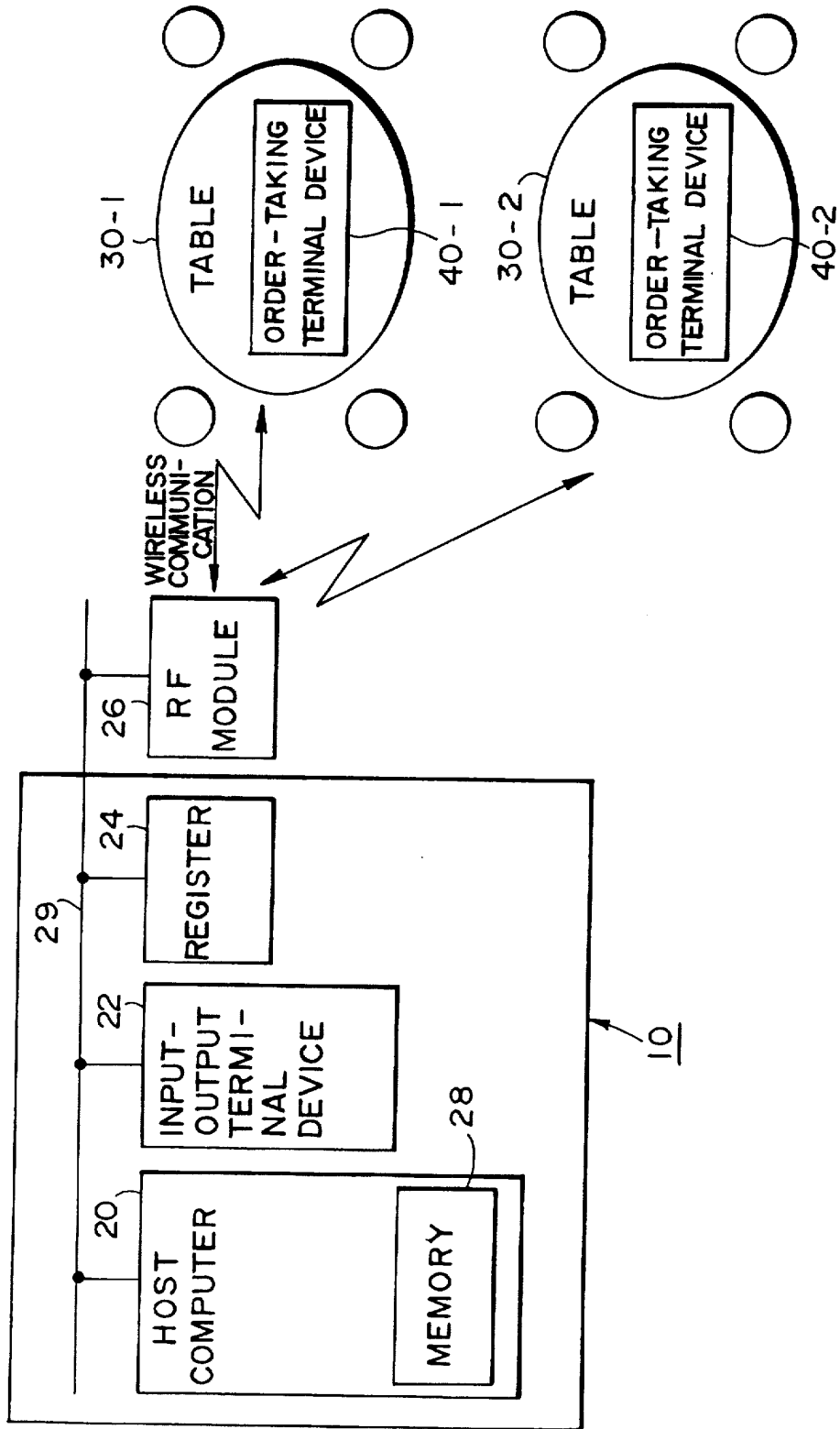


FIG. 2

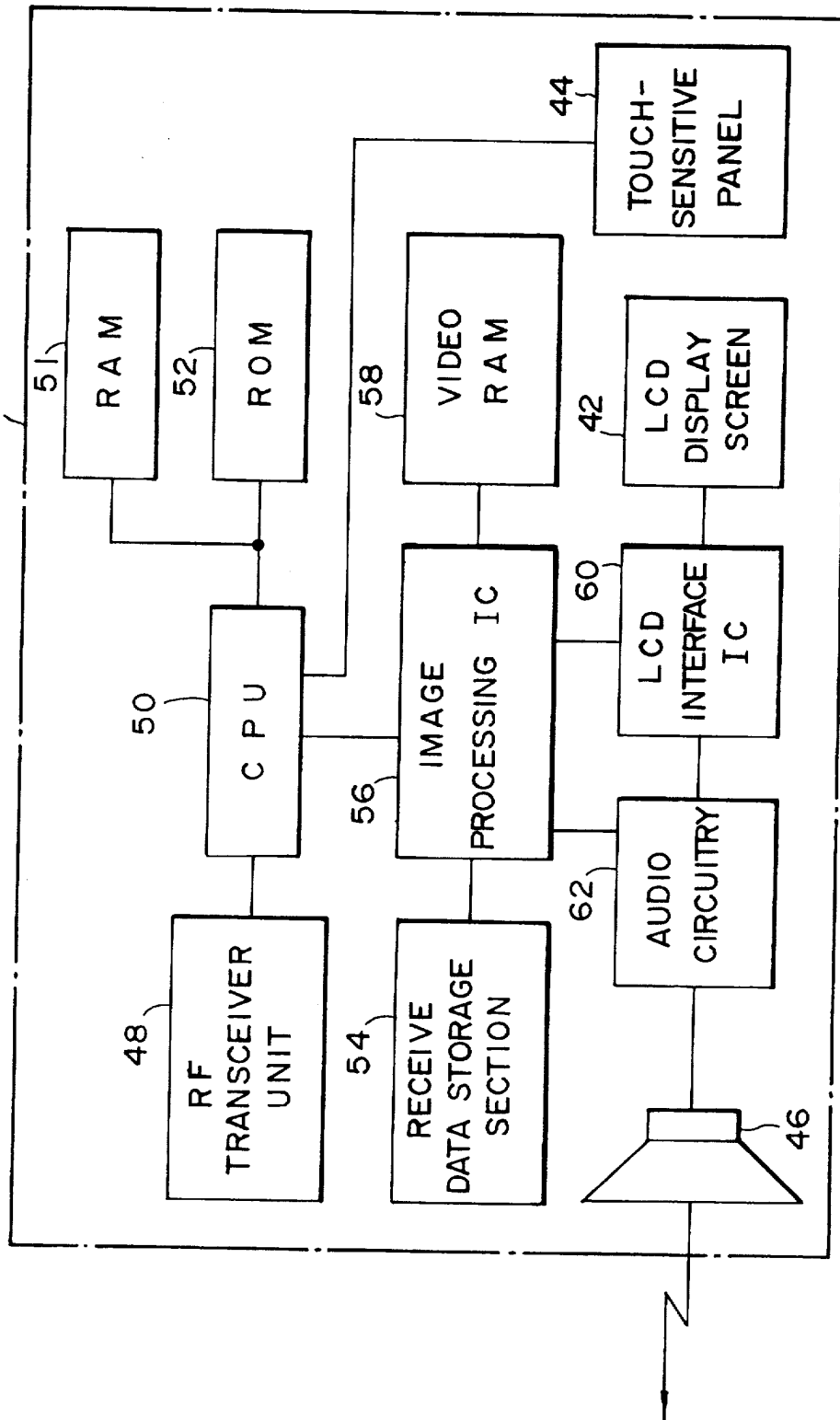
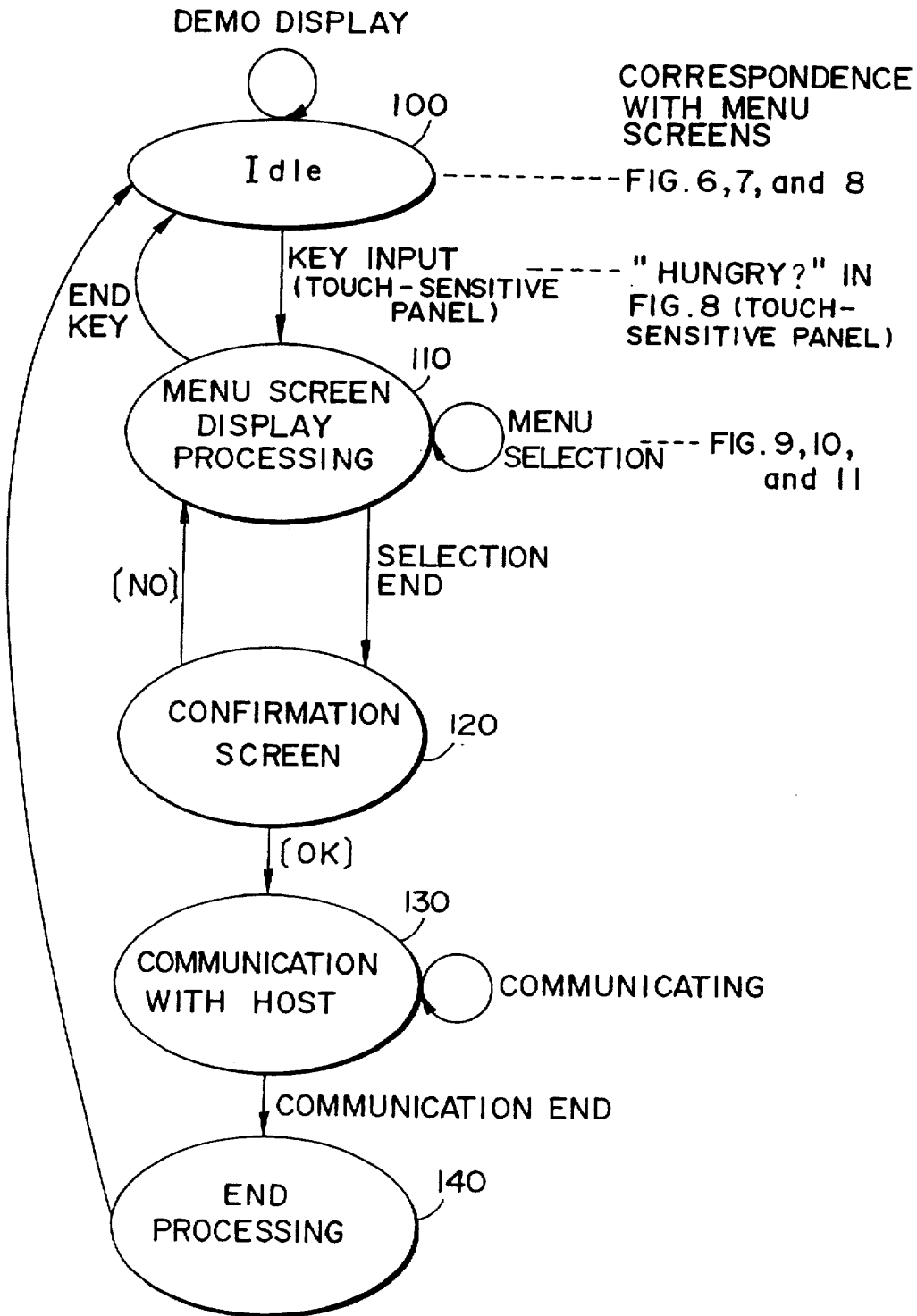
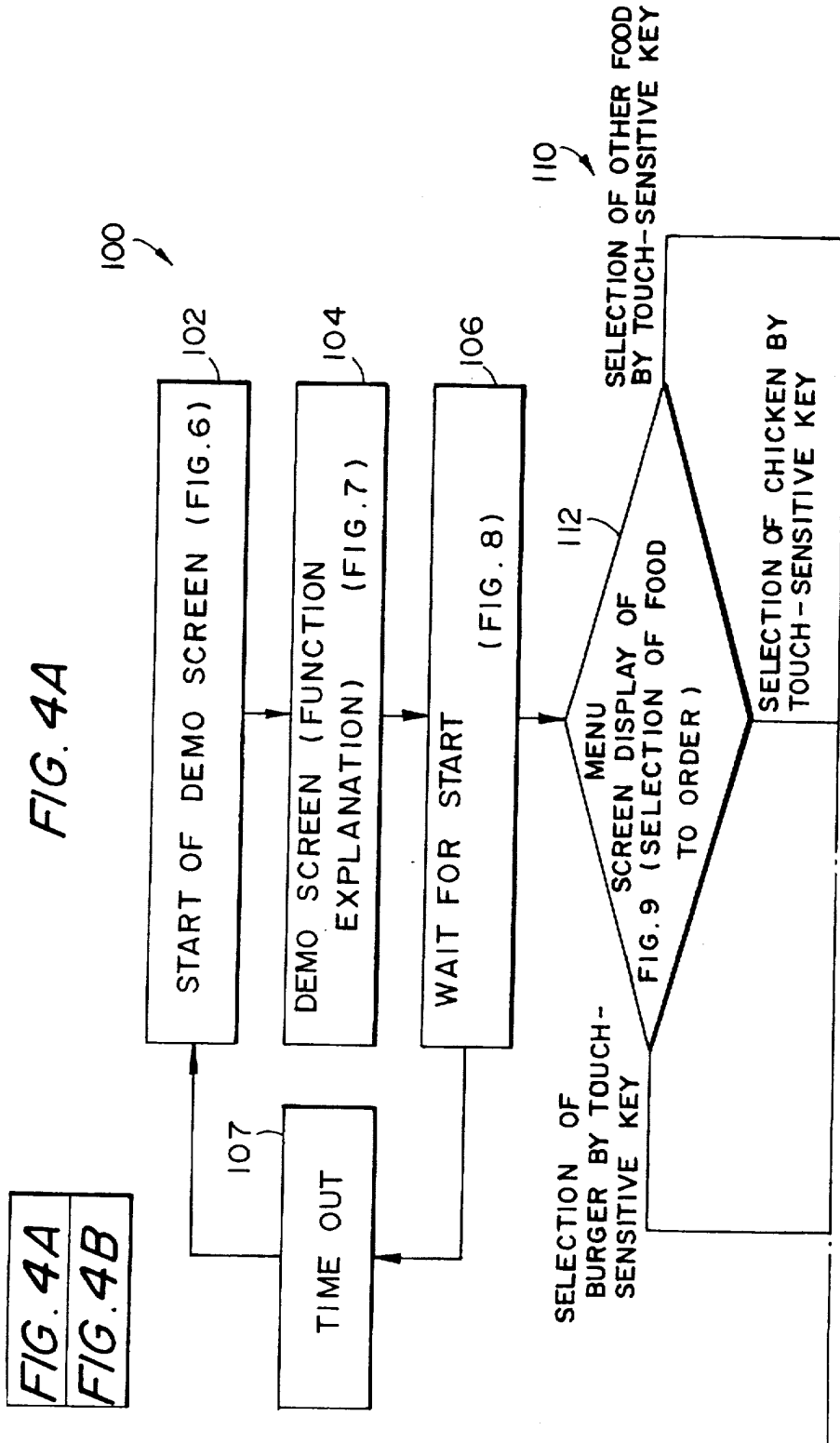


FIG. 3





# 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.