



(12) **United States Patent**
Ogasawara

(10) **Patent No.:** **US 6,512,919 B2**
(45) **Date of Patent:** **Jan. 28, 2003**

(54) **ELECTRONIC SHOPPING SYSTEM
UTILIZING A PROGRAM DOWNLOADABLE
WIRELESS VIDEOPHONE**

(75) Inventor: **Nobuo Ogasawara**, San Diego, CA
(US)

(73) Assignee: **Fujitsu Limited**, Kawasaki (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/281,557**

(22) Filed: **Mar. 30, 1999**

(65) **Prior Publication Data**

US 2002/0065728 A1 May 30, 2002

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/211,308, filed on Dec. 14, 1998.

(51) **Int. Cl.**⁷ **H04Q 7/20**; G06K 15/00; G06F 17/60; H04N 7/14

(52) **U.S. Cl.** **455/422**; 235/383; 235/385; 186/61; 705/23; 455/403; 348/14.01

(58) **Field of Search** 705/23, 26, 16, 705/17; 379/14; 455/3.03, 3.05, 403, 405, 406, 409, 410, 411, 414, 418, 419, 422; 235/383, 385; 709/217, 224; 186/52, 61; 348/14.01, 14.02, 14.04

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,410,326 A 4/1995 Goldstein
- 5,424,524 A 6/1995 Ruppert et al.
- 5,594,779 A 1/1997 Goodman

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

- EP 0843290 A2 5/1998
- EP 0865219 A2 9/1998
- NL 9002296 10/1990
- WO WO-97/50222 12/1997
- WO 99/46706 * 9/1999 G06F/17/60

OTHER PUBLICATIONS

Blankenhorn, D., 'Phones win Headlines during CES Week', Newsbytes, May 28, 1992.: Dialog Information Services, file 275: Gale Group Computer DB (TM), Dialog Accession # 01516628.*

Nuttall, N., 'First the PC, now the Videophone', Times of London (TL), Apr. 24, 1992. Retrieved from: Dialog Information Services, file 710: Times/Sun. Times (London), Dialog Accession # 06875280.*

Fenner, E., 'AT&T: The Store without Walls', Money, v22, n12, pp. 88-96, Dec. 1993. Retrieved from: Dialog Information Services, file 15: ABI/Inform @, Dialog Accession # 00788284.*

Radio Communications Report, v 18, n 48, p. 24 "Millicom releases GSM online payment system." Nov. 29, 1999.

Business Wire, "Lava2140 Introduces Wireless E-commerce Application at PCS '99; E-Shop Mobile Delivers Unified Internet and Wireless Shopping Solution" Sep. 23, 1999.

Newsbytes News Network, "France Telecom Readies E-Commerce By Phone Service", Feb. 24, 1999.

Primary Examiner—Richard Chilcot

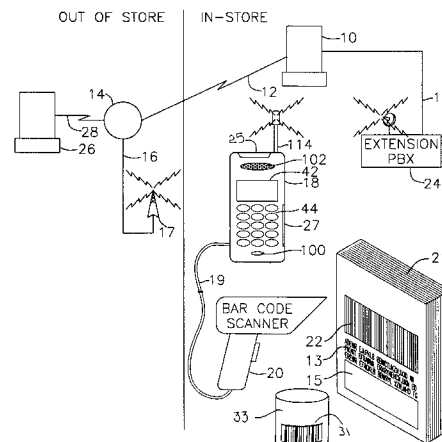
Assistant Examiner—Andrew Joseph Rudy

(74) *Attorney, Agent, or Firm*—Christie, Parker & Hale, LLP

(57) **ABSTRACT**

An electronic shopping system facilitates purchase transactions via a wireless videophone. A purchase transaction program is downloaded from the seller's server to a purchaser's wireless videophone via a program loader contained within the purchaser's wireless videophone. The purchase transaction program is stored in a program memory and is used by the purchaser to facilitate the selection of items to be purchased, as well as payment therefor. An integral digital camera is attached to the wireless telephone to facilitate the selection of items to be purchased and is controlled via the downloaded purchase transaction program to function as a bar code or product icon image capture device. Character or pattern recognition software translates the bar or icon code image into an appropriate item identifier.

58 Claims, 13 Drawing Sheets



U.S. PATENT DOCUMENTS

5,606,361 A *	2/1997	Davidsohn et al.	348/14	6,124,882 A *	9/2000	Voois et al.	348/15
5,722,069 A	2/1998	Donner		6,134,548 A	10/2000	Gottzman et al.	705/26
5,724,092 A *	3/1998	Davidsohn et al.	348/14	6,144,848 A	11/2000	Walsh et al.	455/419
5,825,002 A	10/1998	Roslak		6,199,753 B1 *	3/2001	Tracy et al.	235/375
5,832,115 A *	11/1998	Rosenberg	382/199	6,202,051 B1 *	3/2001	Woolston	705/27
5,867,712 A *	2/1999	Shaw et al.	395/704	6,226,031 B1 *	5/2001	Barracrough et al.	348/14.13
5,918,211 A	6/1999	Sloane	705/16	6,313,864 B1 *	11/2001	Tabata et al.	348/14.02
5,970,473 A *	10/1999	Gerszberg et al.	705/26	6,314,406 B1 *	11/2001	O'Hagan	705/14
6,055,513 A *	4/2000	Katz et al.	705/26	6,377,570 B1 *	4/2002	Vaziri et al.	370/352
6,085,176 A *	7/2000	Woolston	705/37				

* cited by examiner

FIG. 1

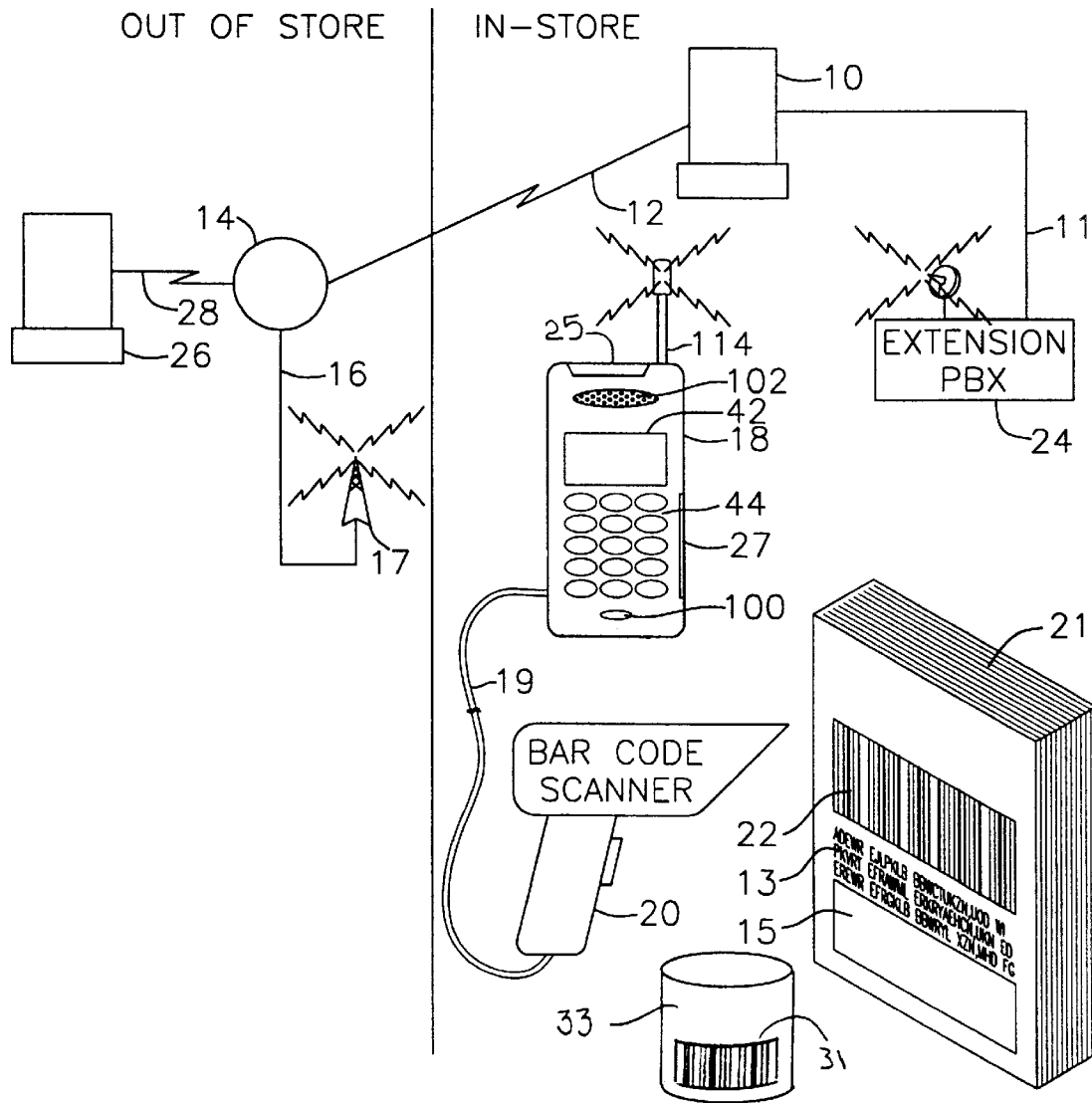
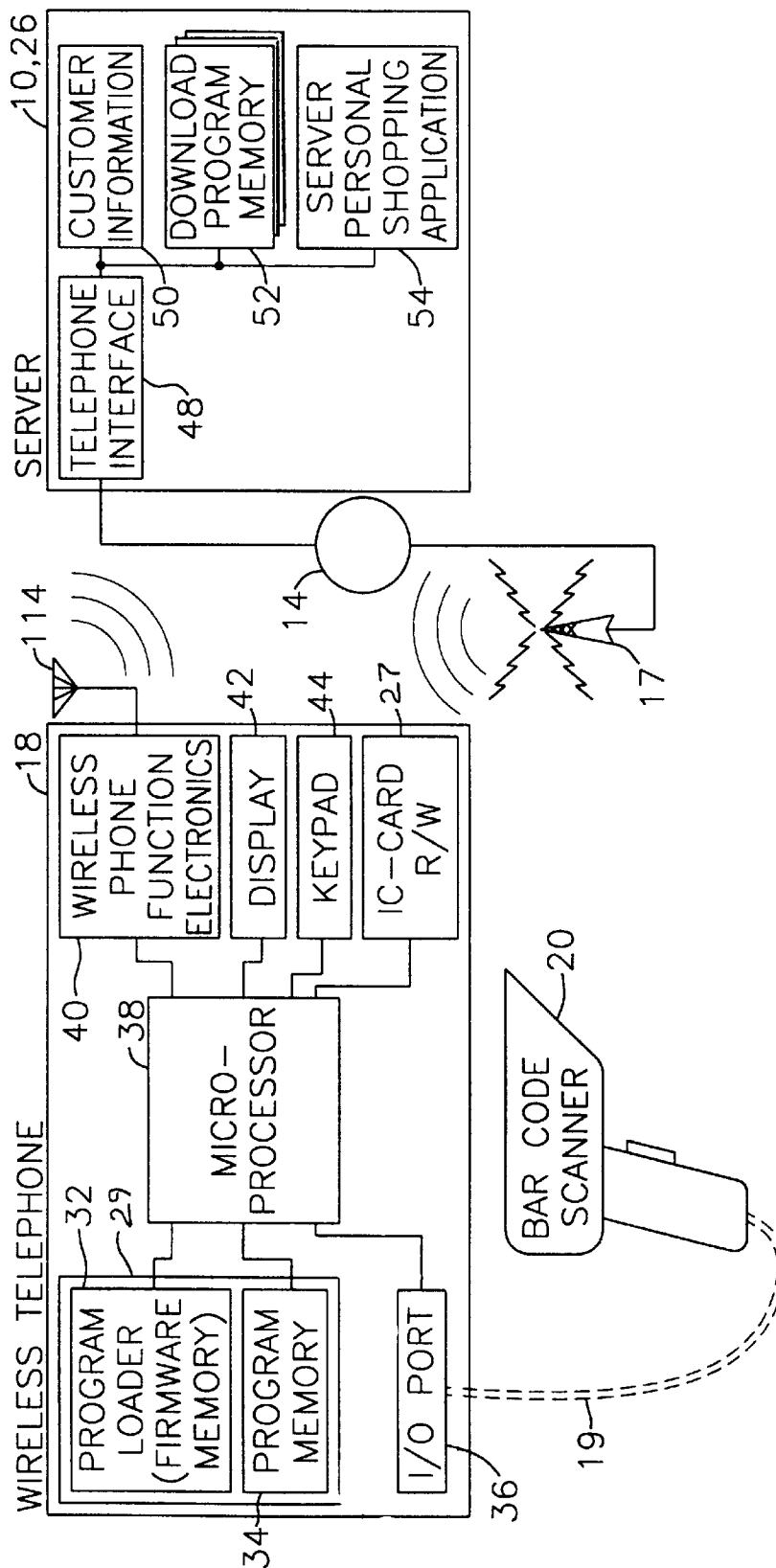


FIG. 2



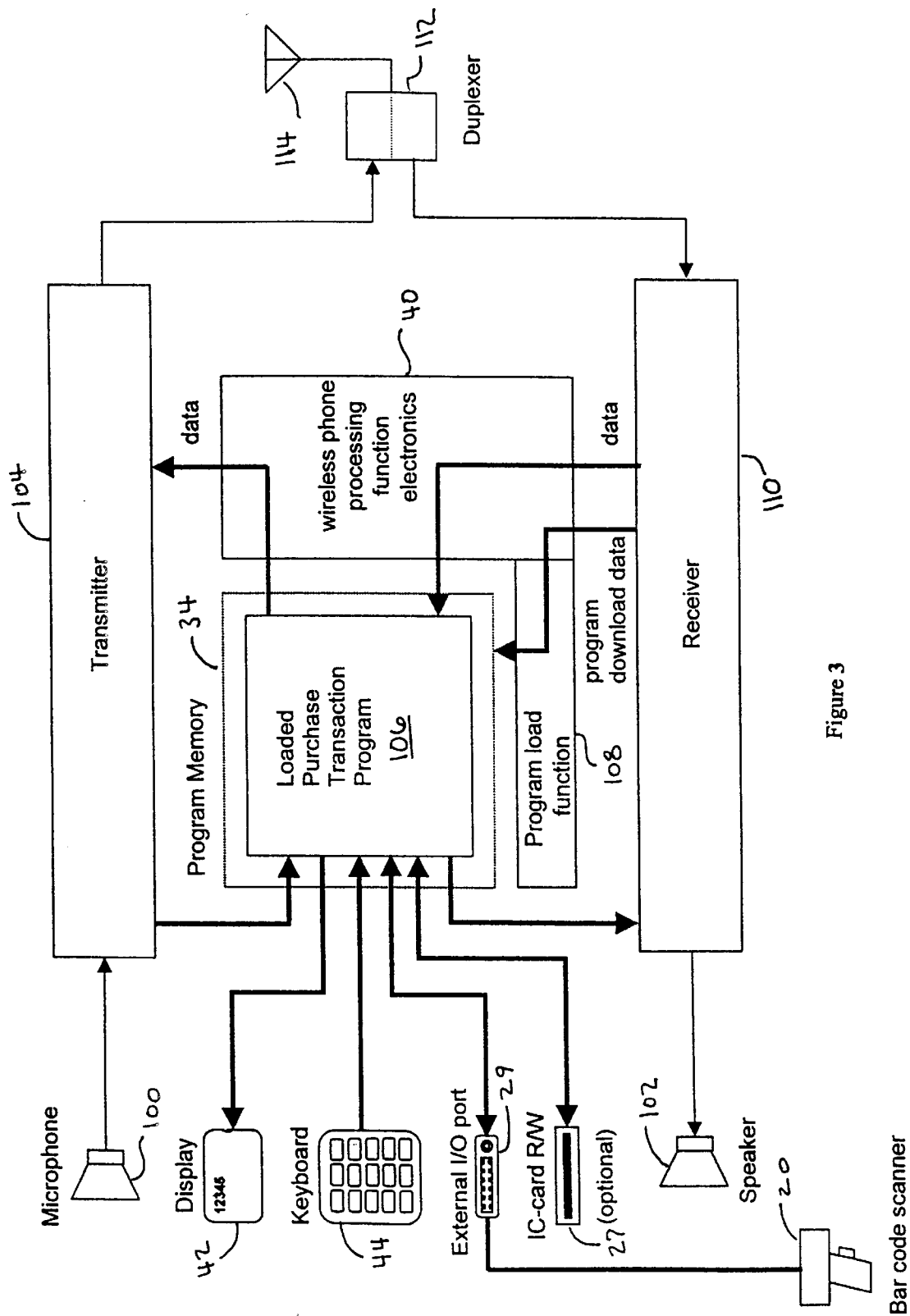


Figure 3

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.