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(12) **United States Patent**  
**Ogasawara**

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

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

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- (51) **Int. Cl.**<sup>7</sup> ..... **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**

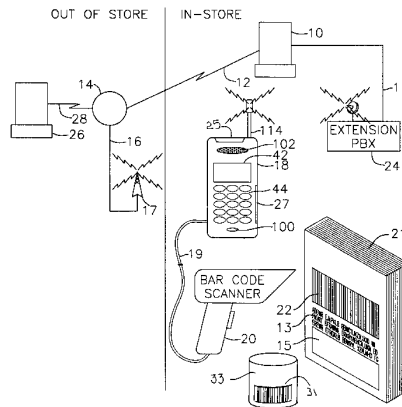
- Blankenhorn, D., 'Phones win Headlines during CES Week', Newsbytes, May 28, 1992.: Dialog Information Services, file 275: Gale Group Computer DB (TM), Dialog Accession # 01516628.\*
- Nuttall, N., 'First the PC, now the Videophone', Times of London (TL), Apr. 24, 1992. Retrieved from: Dialog Information 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.

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**ABSTRACT**

(57) 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	Barracough 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

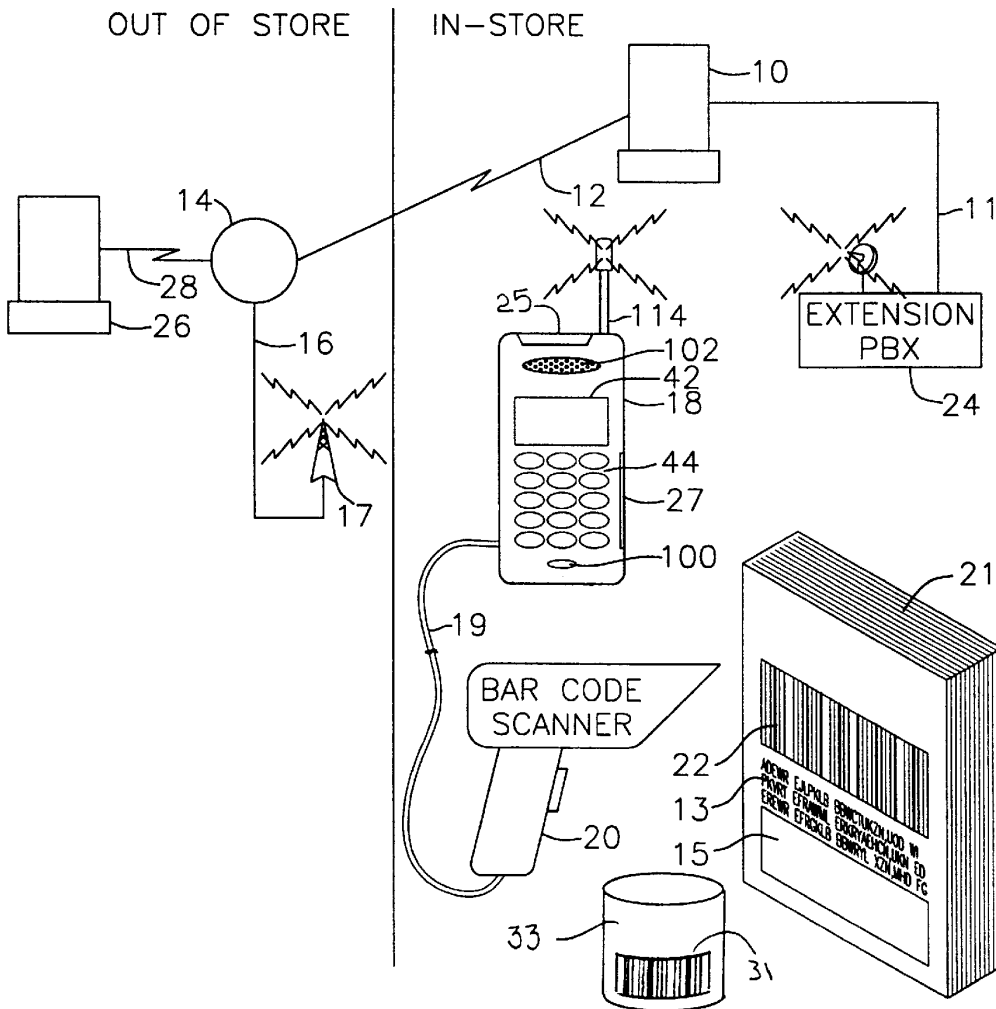
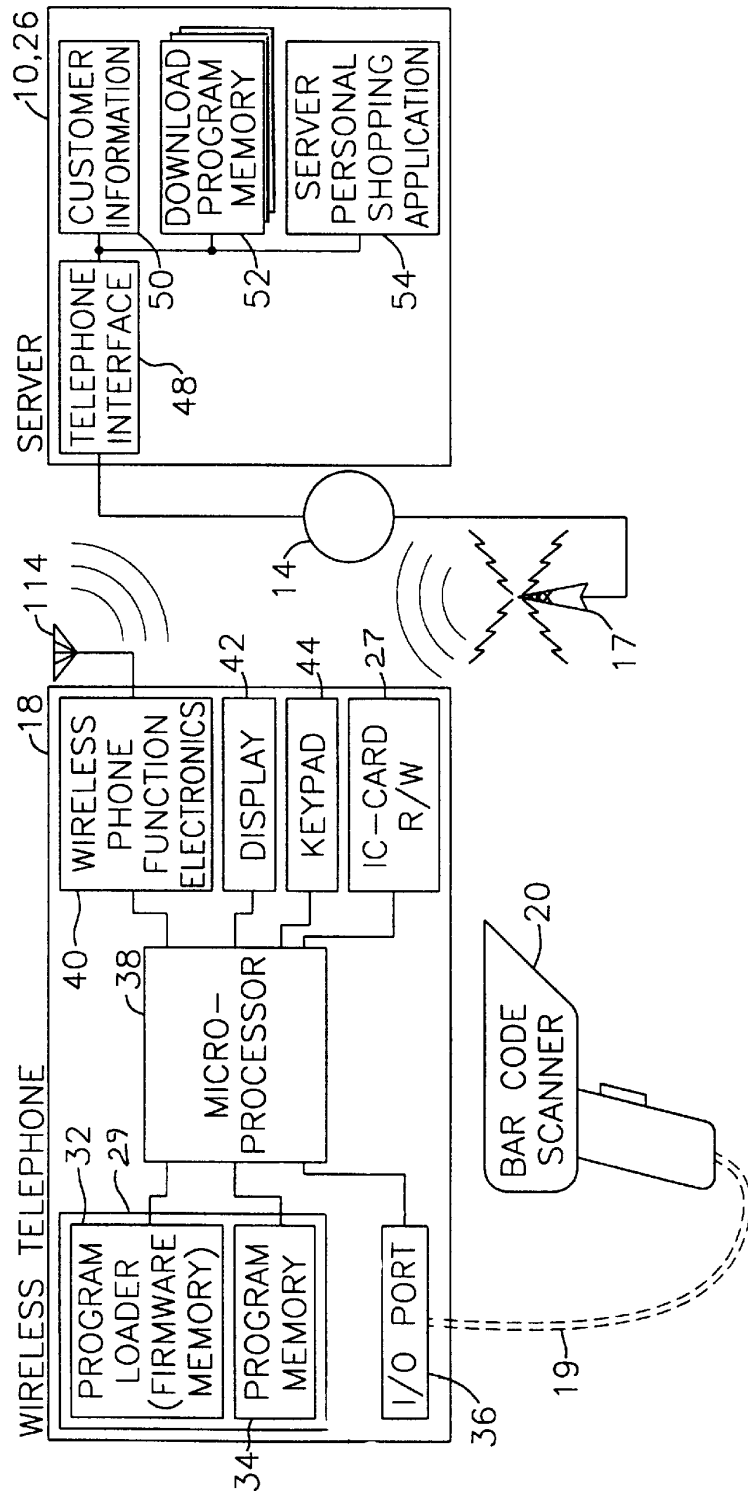


FIG. 2



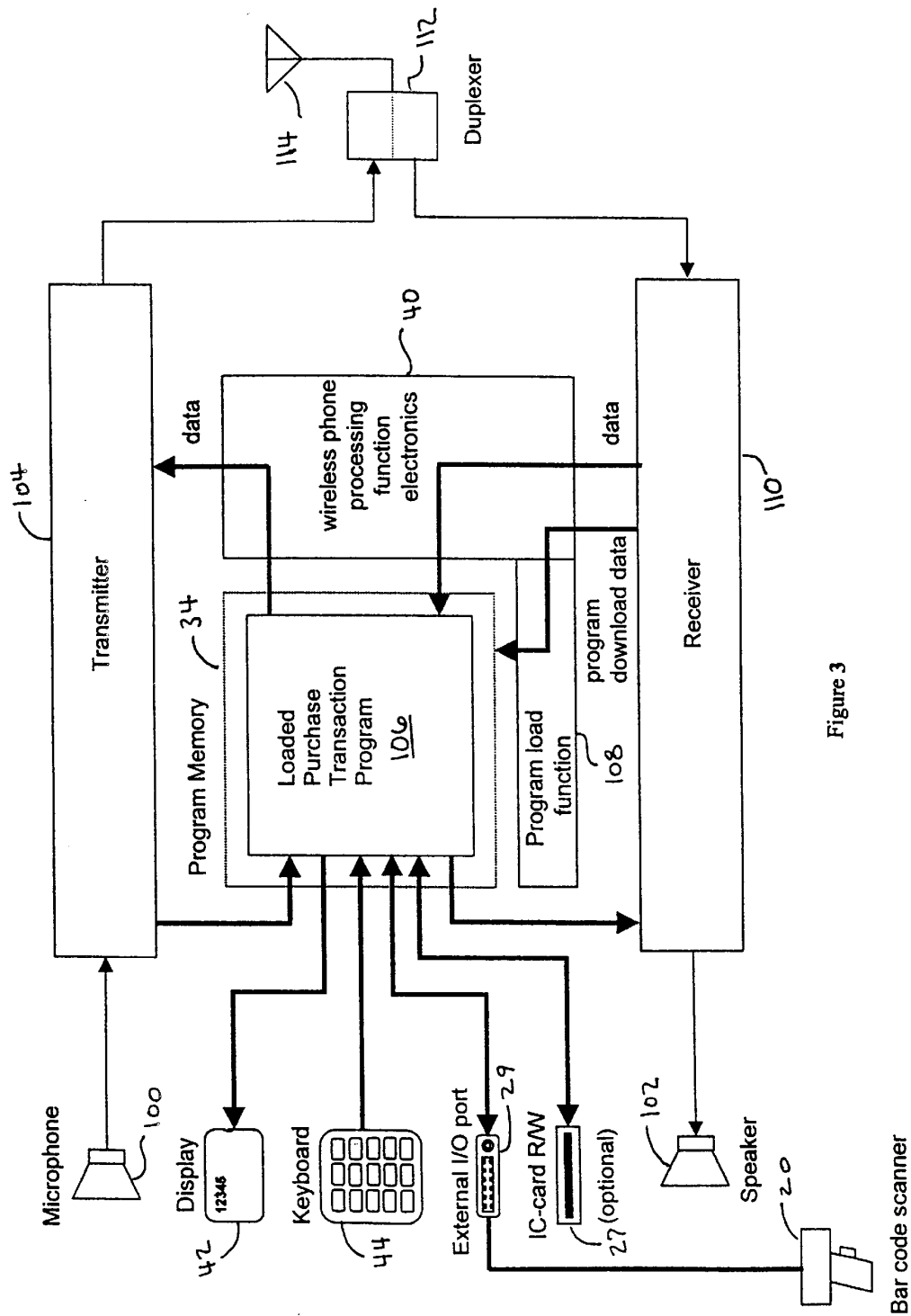


Figure 3

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