

(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**

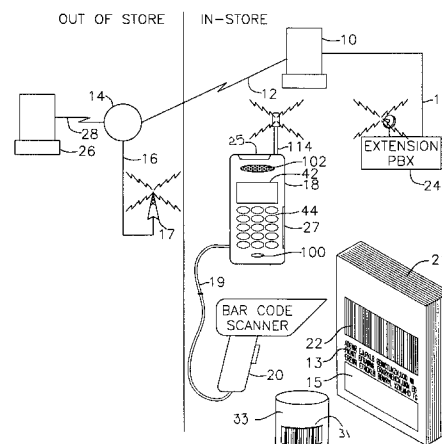
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**Related U.S. Application Data**(63) Continuation-in-part of application No. 09/211,308, filed on  
Dec. 14, 1998.(51) **Int. Cl.**<sup>7</sup> ..... **H04Q 7/20**; G06K 15/00;  
G06F 17/60; H04N 7/14(52) **U.S. Cl.** ..... **455/422**; 235/383; 235/385;  
186/61; 705/23; 455/403; 348/14.01(58) **Field of Search** ..... 705/23, 26, 16,  
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406, 409, 410, 411, 414, 418, 419, 422;  
235/383, 385; 709/217, 224; 186/52, 61;  
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LLP(57) **ABSTRACT**

An electronic shopping system facilitates purchase transac-  
tions via a wireless videophone. A purchase transaction  
program is downloaded from the seller's server to a pur-  
chaser's wireless videophone via a program loader con-  
tained 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 identi-  
fier.

**58 Claims, 13 Drawing Sheets**

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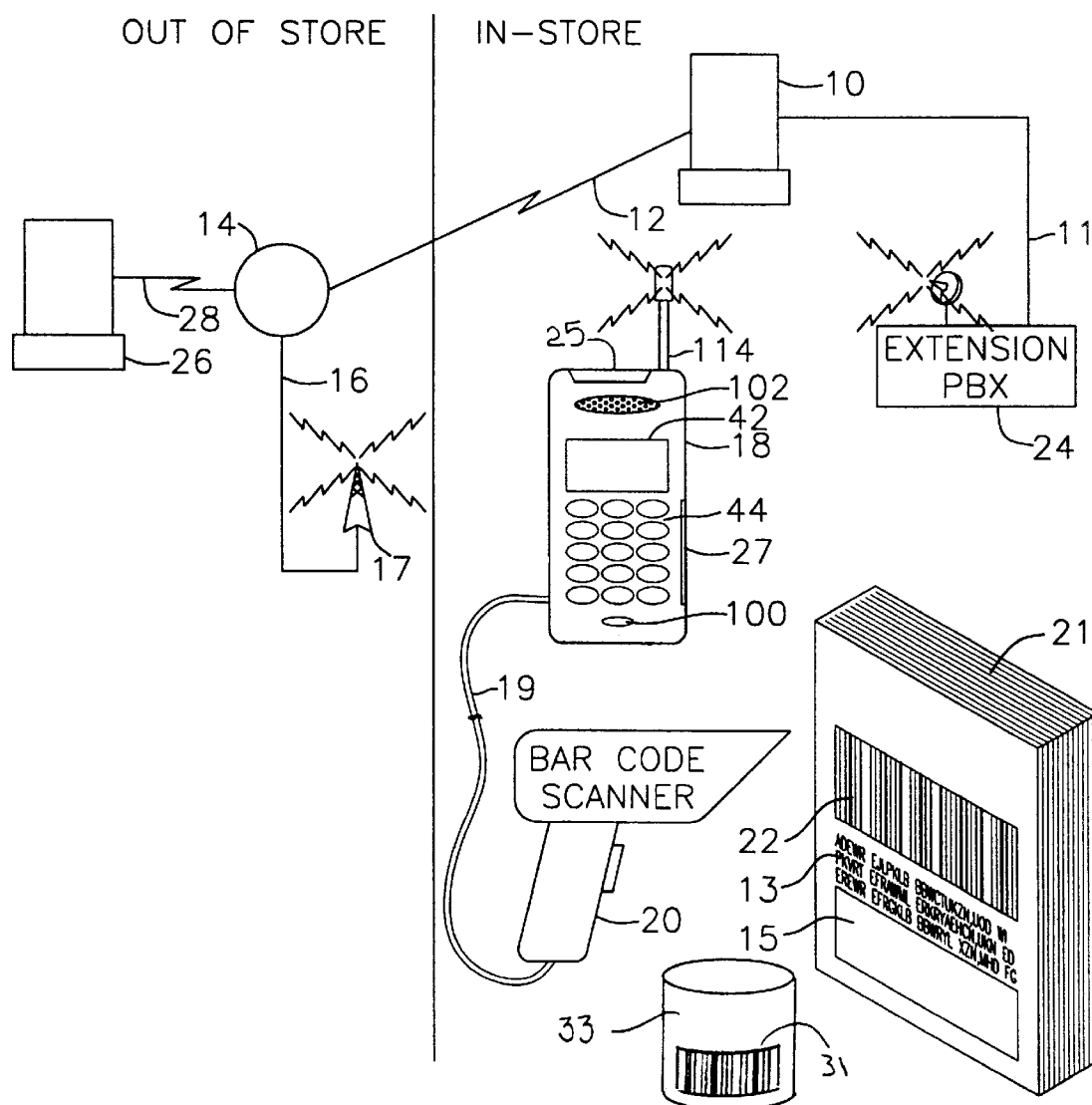
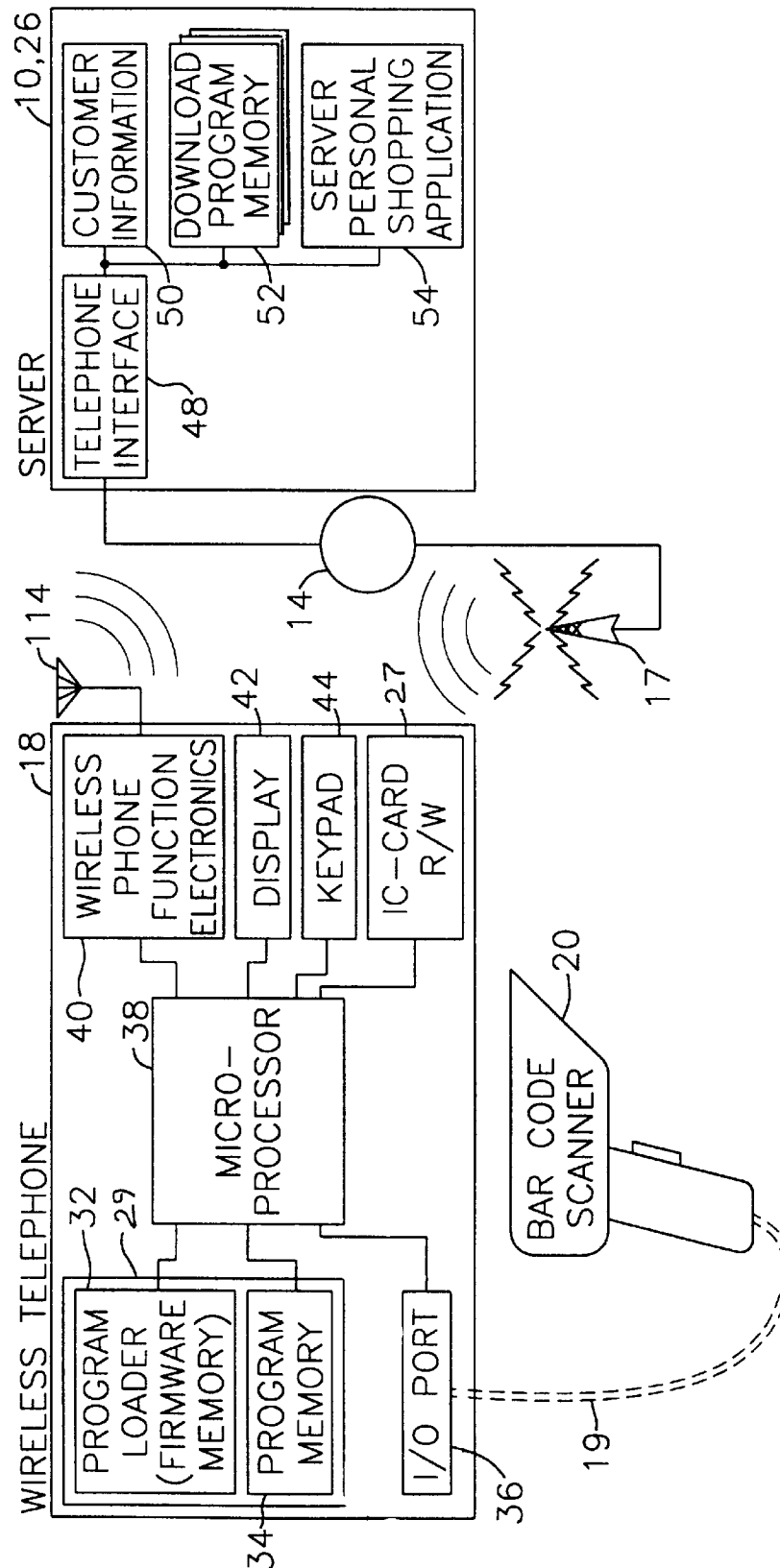
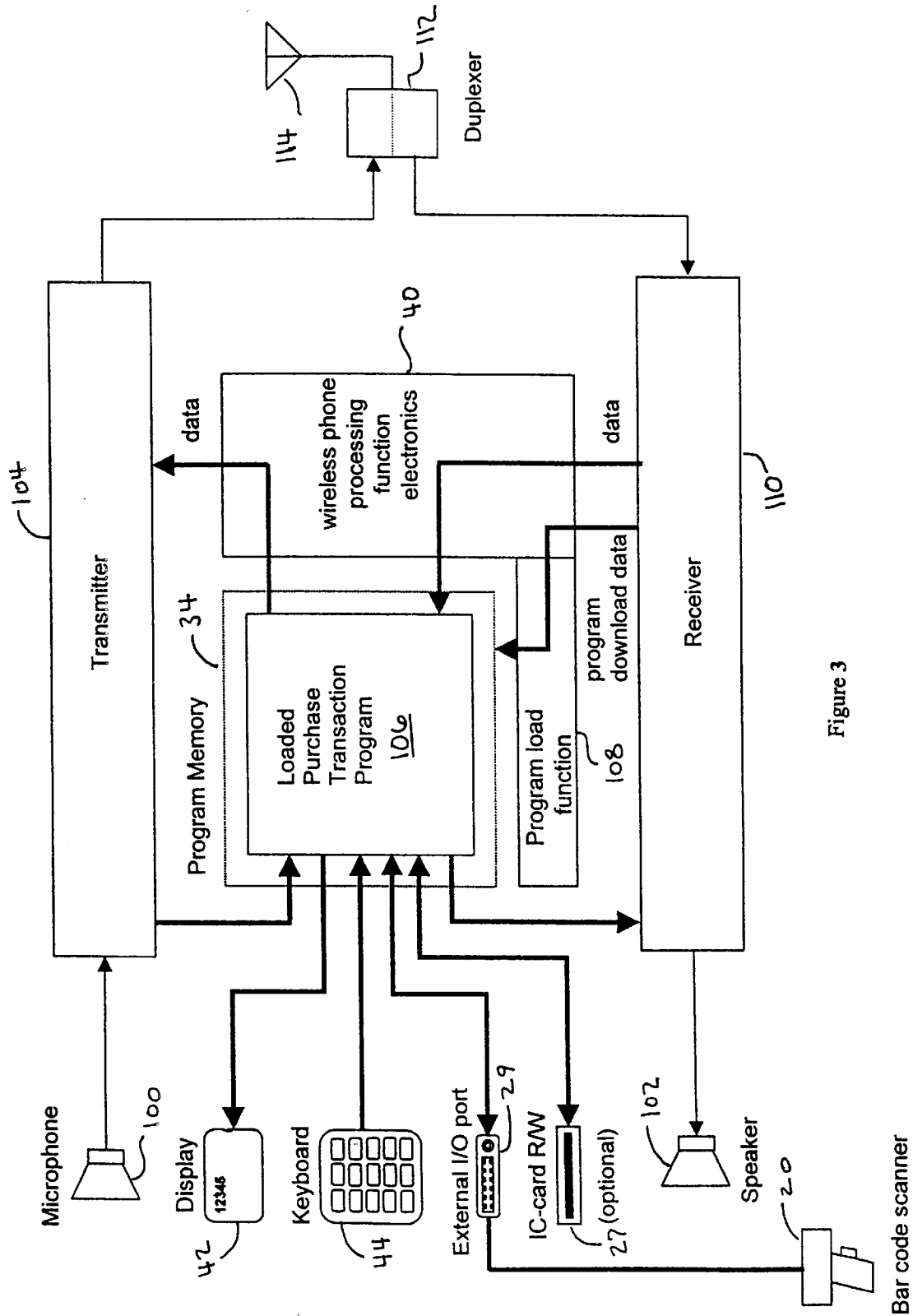
*FIG. 1*

FIG. 2





### Figure 3



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