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Dessert et al.

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(54) **SYSTEM AND METHOD FOR PROVIDING A PERSONALIZED SHOPPING EXPERIENCE AND PERSONALIZED PRICING OF PRODUCTS AND SERVICES WITH A PORTABLE COMPUTING DEVICE**

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(51) **Int. Cl.**
G06F 17/00 (2006.01)
G06Q 30/06 (2012.01)
G06Q 30/02 (2012.01)
G06Q 20/32 (2012.01)
G06Q 20/20 (2012.01)
G06Q 30/00 (2012.01)

(52) **U.S. Cl.**
CPC **G06Q 30/0601** (2013.01); **G06Q 30/0207** (2013.01); **G06Q 20/322** (2013.01); **G06Q 20/20** (2013.01); **G06Q 30/01** (2013.01)

(58) **Field of Classification Search**
USPC 235/375, 380, 379; 705/14.25, 14.58, 705/14.53, 14.16, 14.64, 14.66, 14.19, 14.1, 705/26.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,424,524 A	6/1995	Ruppert et al.	
5,918,211 A *	6/1999	Sloane	705/16
6,179,206 B1	1/2001	Matsumori	
2002/0062249 A1 *	5/2002	Iannacci	705/14
2005/0040230 A1	2/2005	Swartz et al.	
2010/0145784 A1	6/2010	Sriver et al.	
2011/0029364 A1	2/2011	Roeding et al.	
2011/0191181 A1	8/2011	Blackhurst et al.	
2011/0246306 A1	10/2011	Blackhurst et al.	
2011/0295670 A1	12/2011	Thomas et al.	
2014/0239066 A1	8/2014	Dessert et al.	

OTHER PUBLICATIONS

International Search Report and Written Opinion—PCT/US2012/070475—ISA/EPO—Sep. 20, 2013.

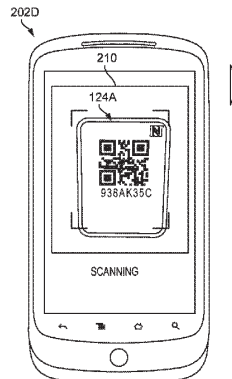
* cited by examiner

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(57) **ABSTRACT**

A system and method for providing a personalized shopping experience with a portable computing device (“PCD”) are described. The system and method may include checking-in PCD consumers upon entering an establishment of a merchant. The checking-in of the PCD consumer may include verifying credentials for gaining access to a central mobile payment controller and receiving a merchant identifier corresponding to a merchant from a computer communications network. Next, a scan of a machine-readable code associated with at least one of a good and a service may be received. Information associated with the machine-readable code may be retrieved from a database. Subsequently, a personalized price for the at least one good or service may be determined by applying one or more rules. The personalized price may be transmitted over a computer communications network to the portable computing device for display to the PCD consumer.

36 Claims, 26 Drawing Sheets



GOOG-1007

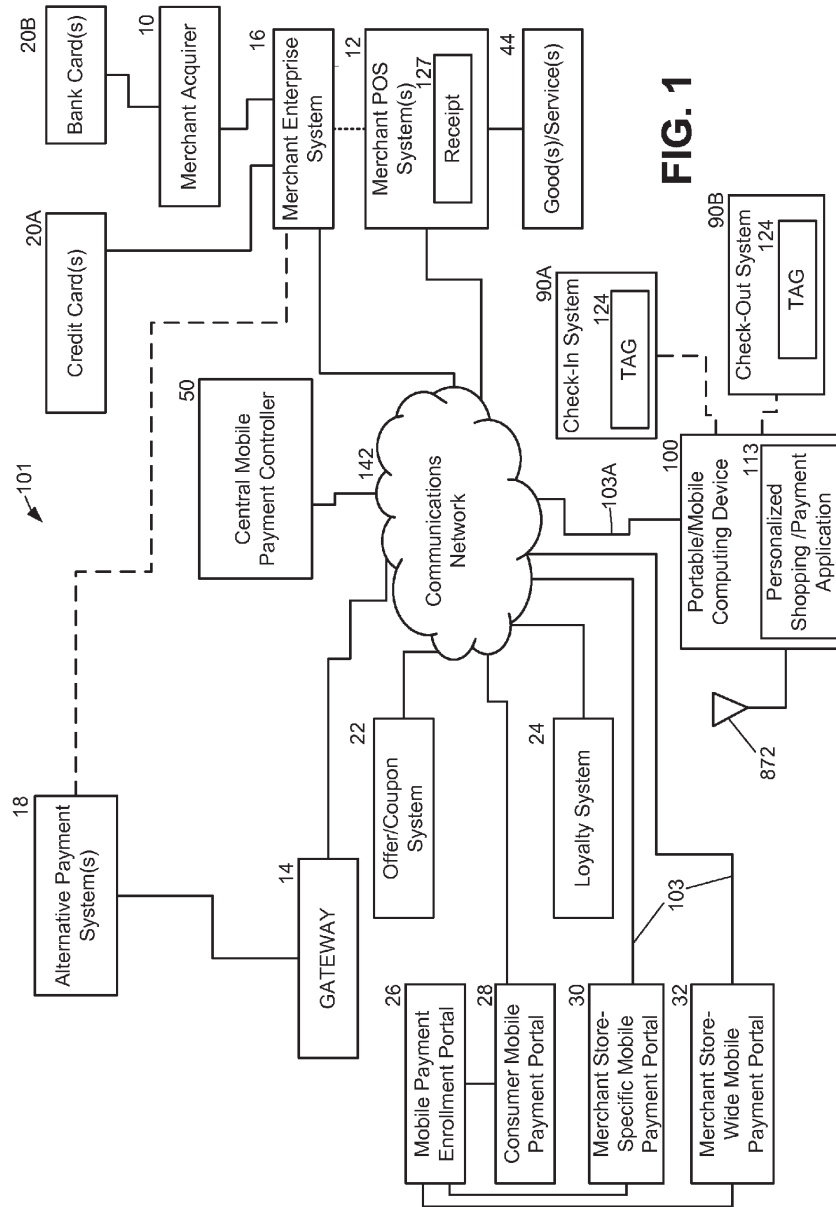


FIG. 1

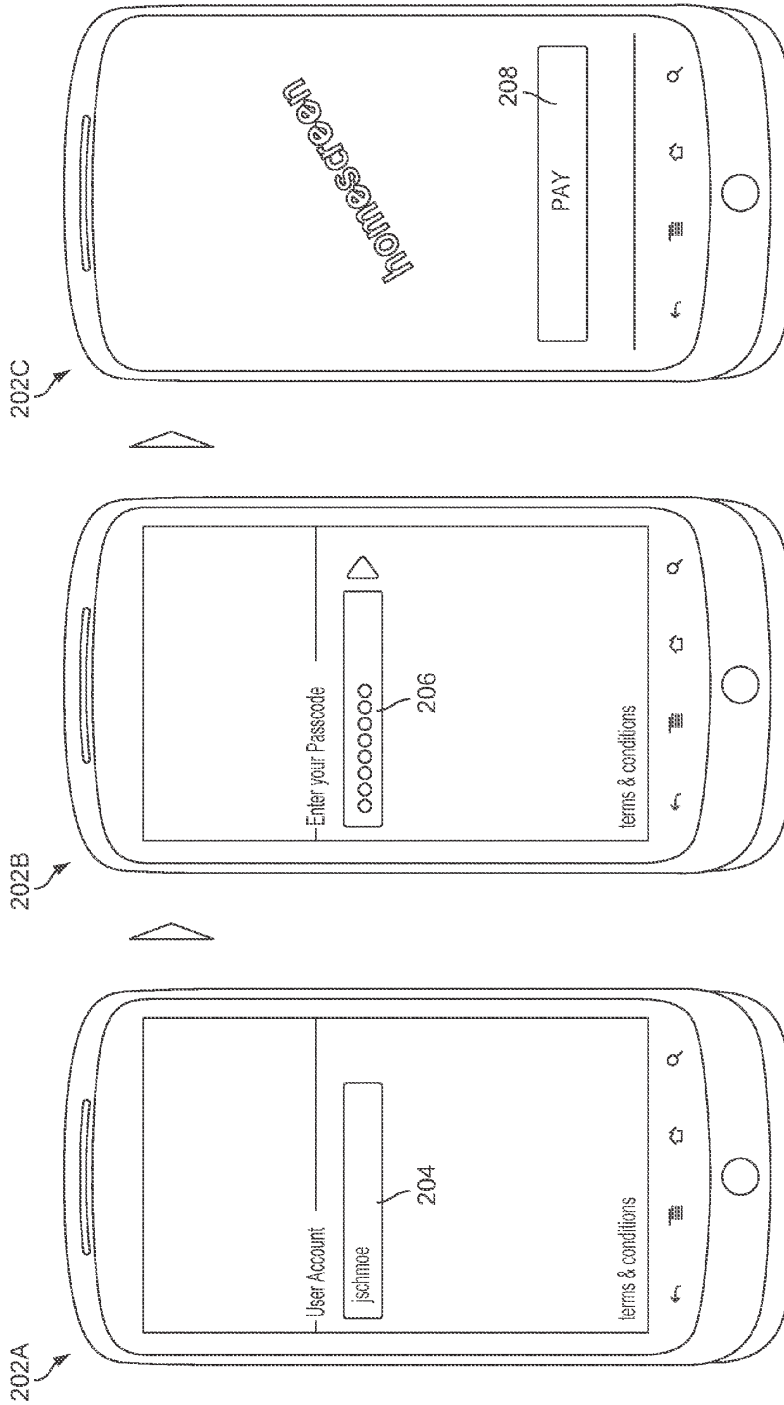


FIG. 2C

FIG. 2B

FIG. 2A

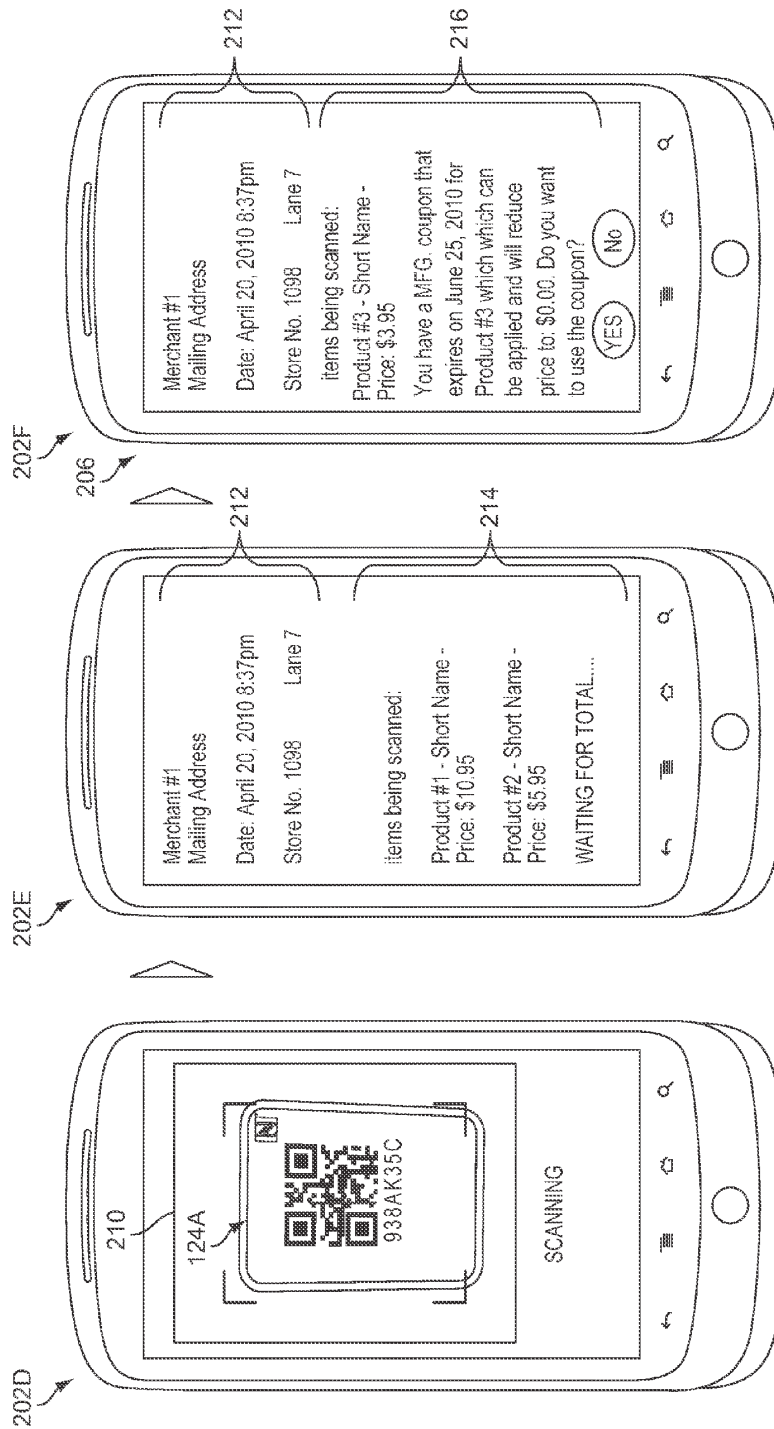


FIG. 2F

FIG. 2E

FIG. 2D

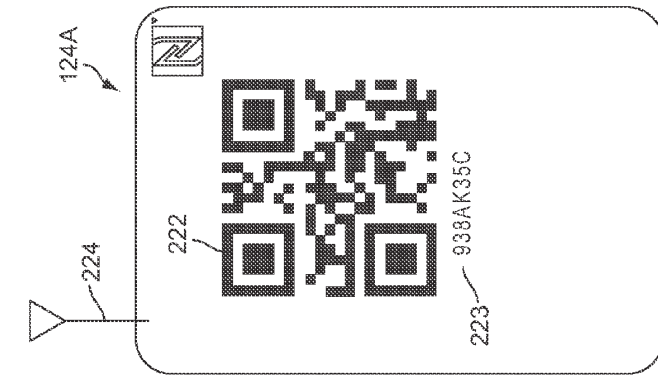


FIG. 2I

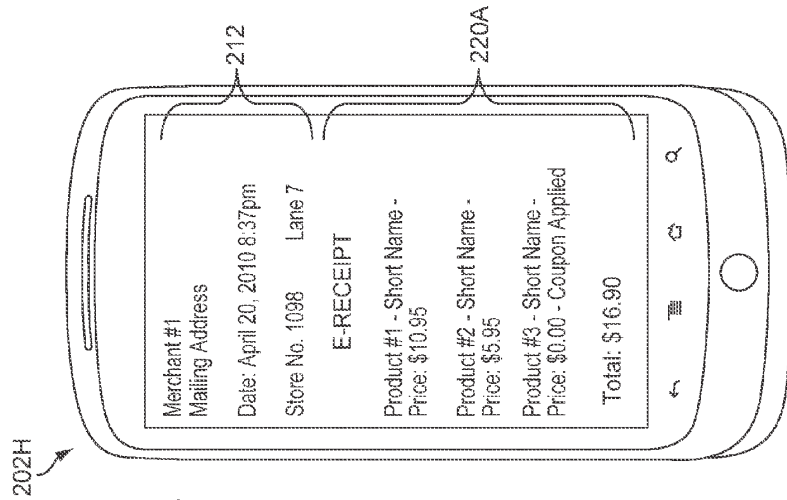


FIG. 2H

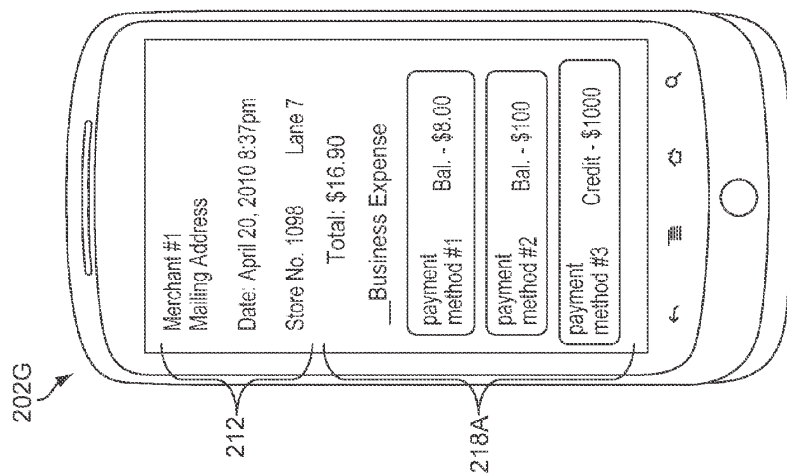


FIG. 2G

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