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McNally et al.

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(54) **INFORMATION MANAGEMENT AND SYNCHRONOUS COMMUNICATIONS SYSTEM WITH MENU GENERATION**

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(52) **U.S. Cl.** **345/810**; 345/841
(58) **Field of Search** 345/334, 335, 345/340, 352, 353, 765, 744, 781, 810, 841; 705/26, 27, 37

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,724,069 A * 3/1998 Chen 345/156
5,802,526 A * 9/1998 Fawcett et al. 707/104
5,912,734 A * 6/1999 Kinebuchi et al. 345/348
5,991,739 A * 11/1999 Cupps et al. 705/26
6,107,944 A * 8/2000 Behr et al. 340/995

* cited by examiner

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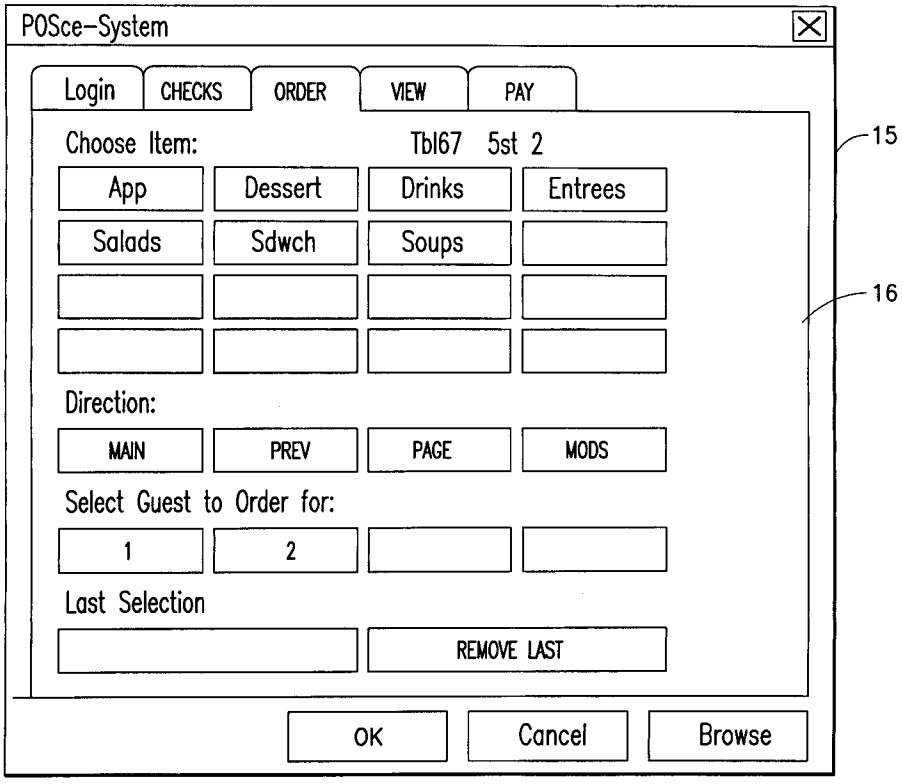
(57) **ABSTRACT**

An information management and synchronous communications system and method facilitates database equilibrium and synchronization with wired, wireless and Web-based systems, user-friendly and efficient generation of computerized menus and reservations for restaurants and other applications that utilize equipment with nonstandard graphical formats, display sizes and/or applications for use in remote data entry, information management and communication with host computer, digital input device or remote pager via standard hardwired connection, the internet, a wireless link or the like.

16 Claims, 6 Drawing Sheets



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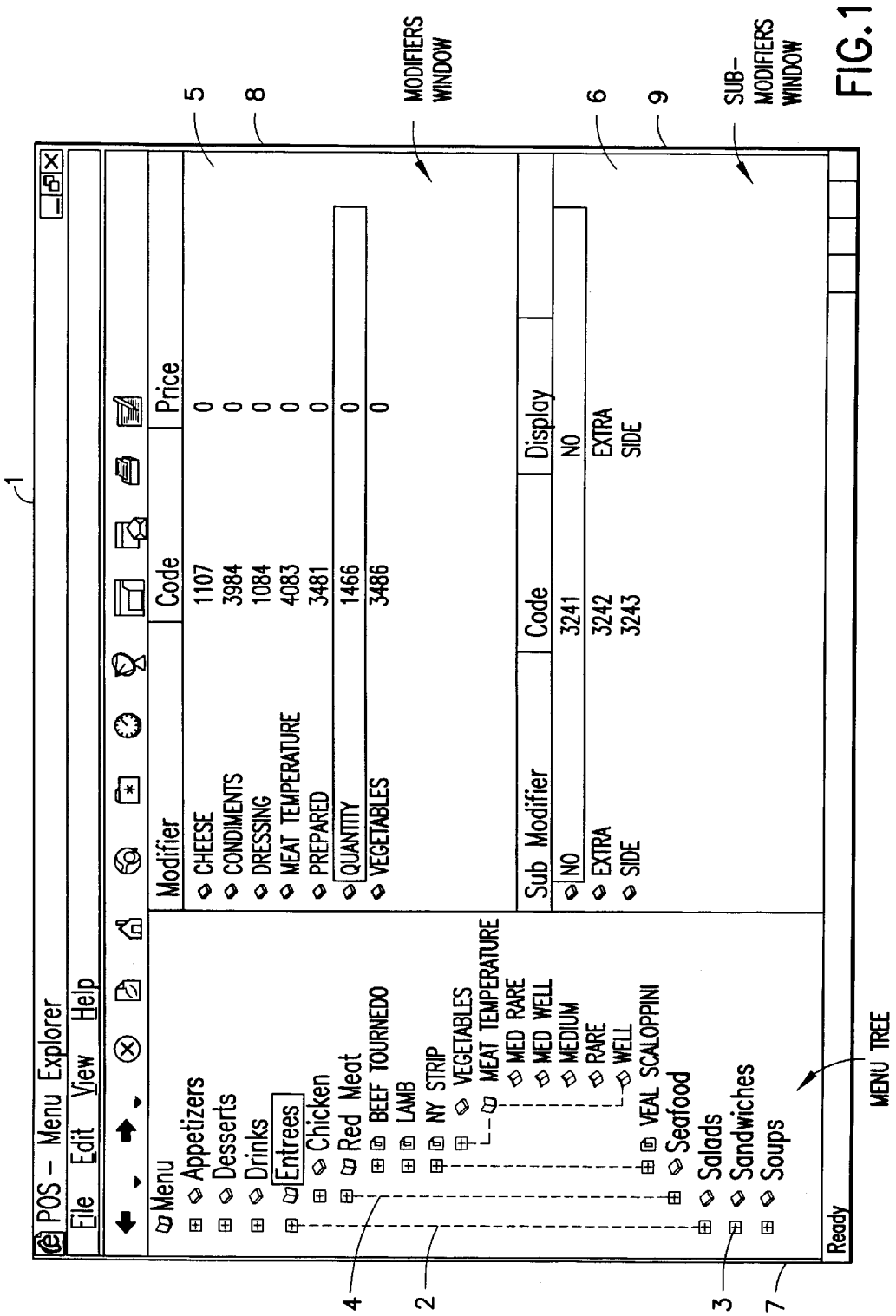

FIG. 1

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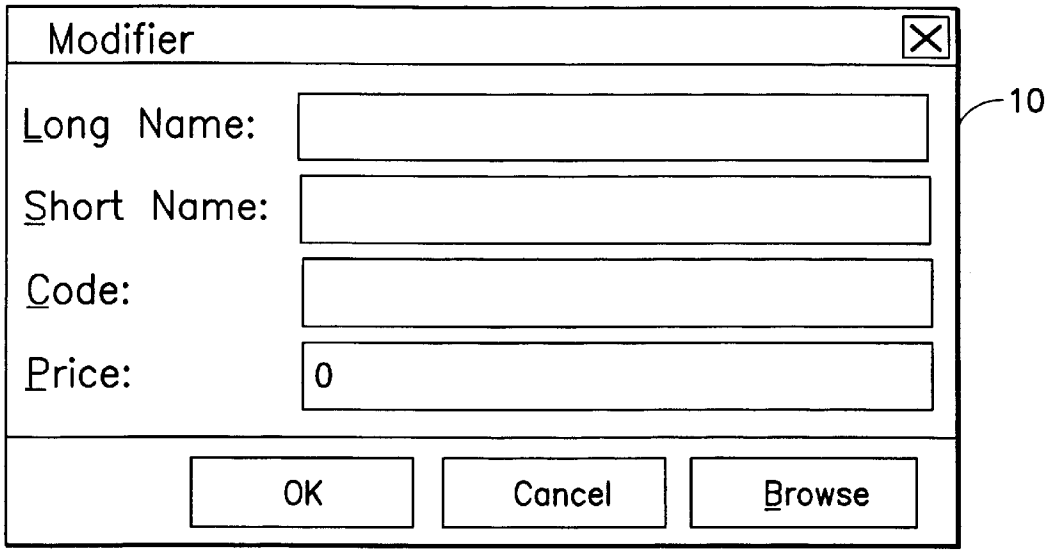

FIG.2

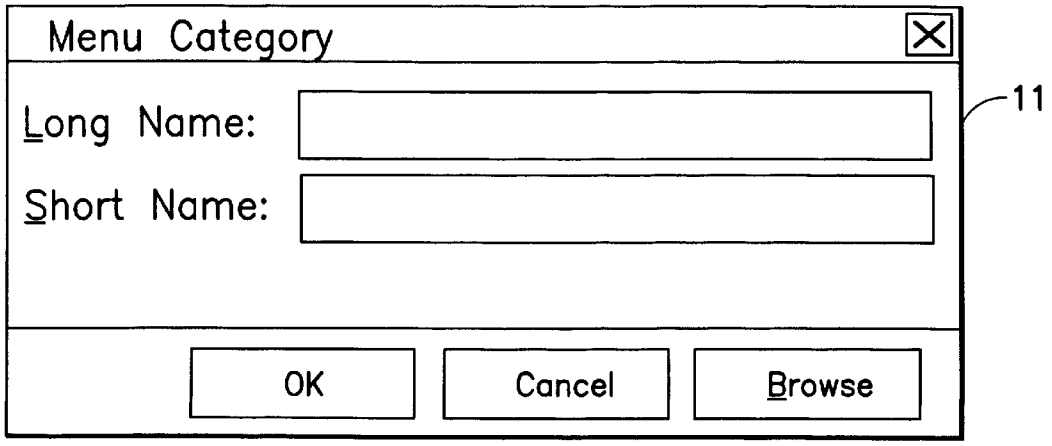

FIG.3

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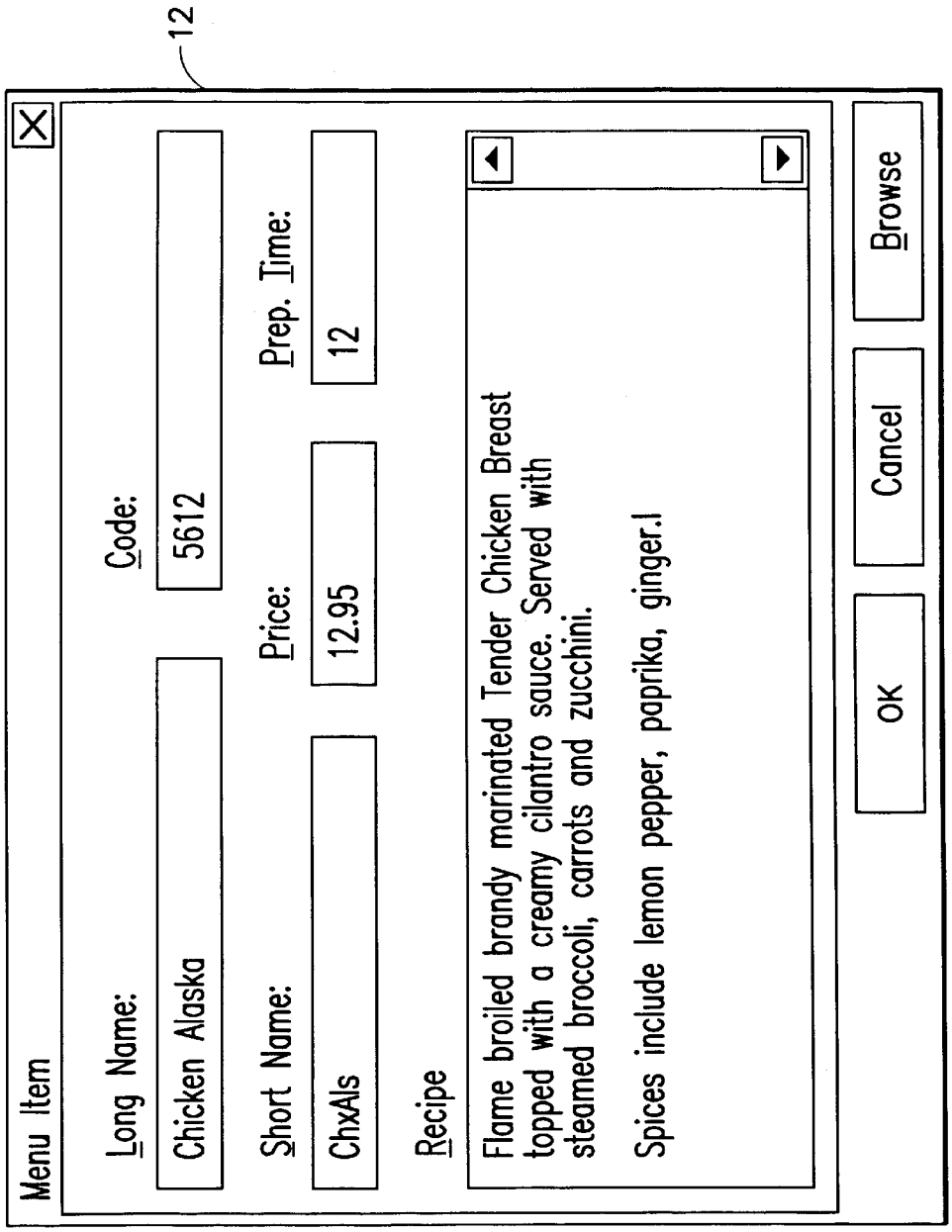

FIG. 4

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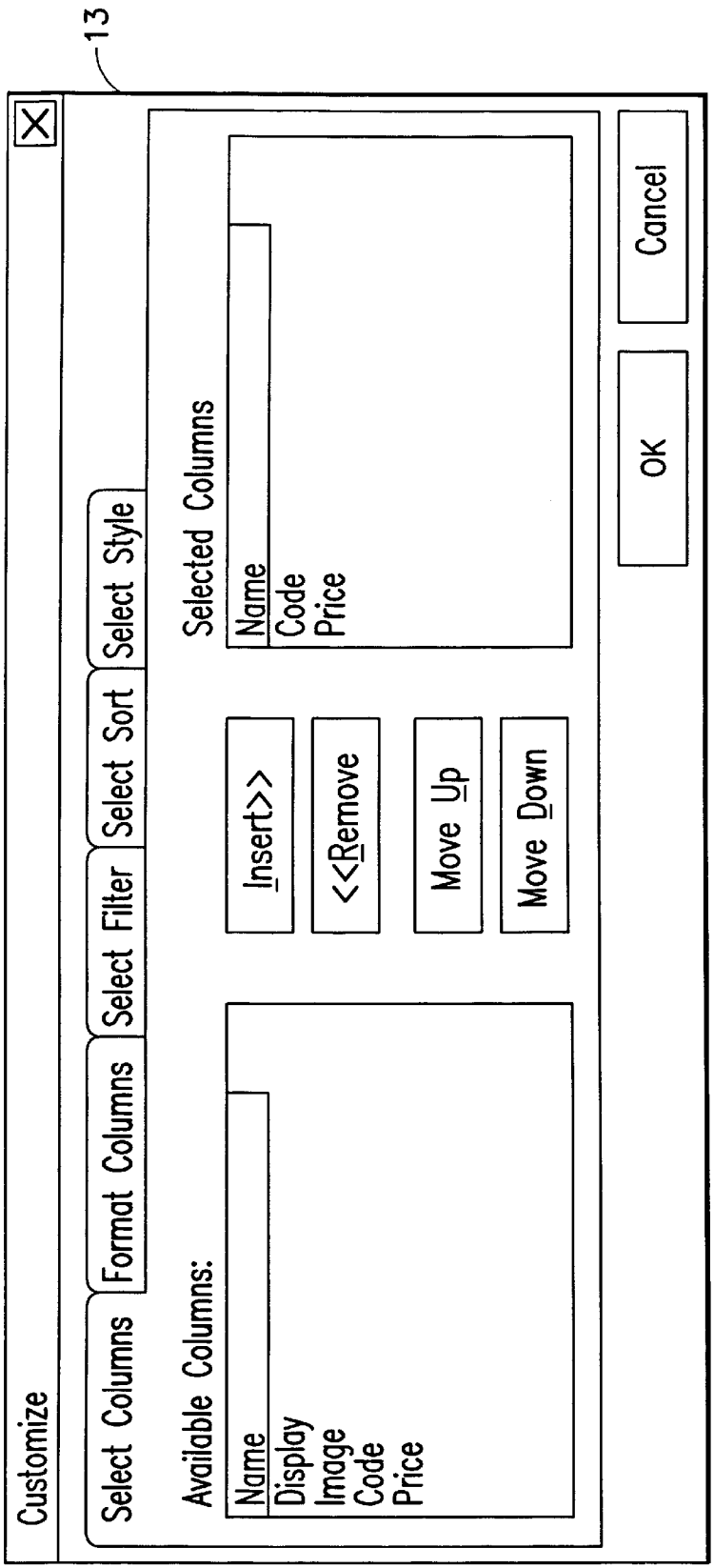

FIG.5

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