



(12) **United States Patent**
McNally et al.

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

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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.

(21) Appl. No.: **09/400,413**

(22) Filed: **Sep. 21, 1999**

(51) **Int. Cl.**⁷ **G06F 3/00**

(52) **U.S. Cl.** **345/810; 345/841**

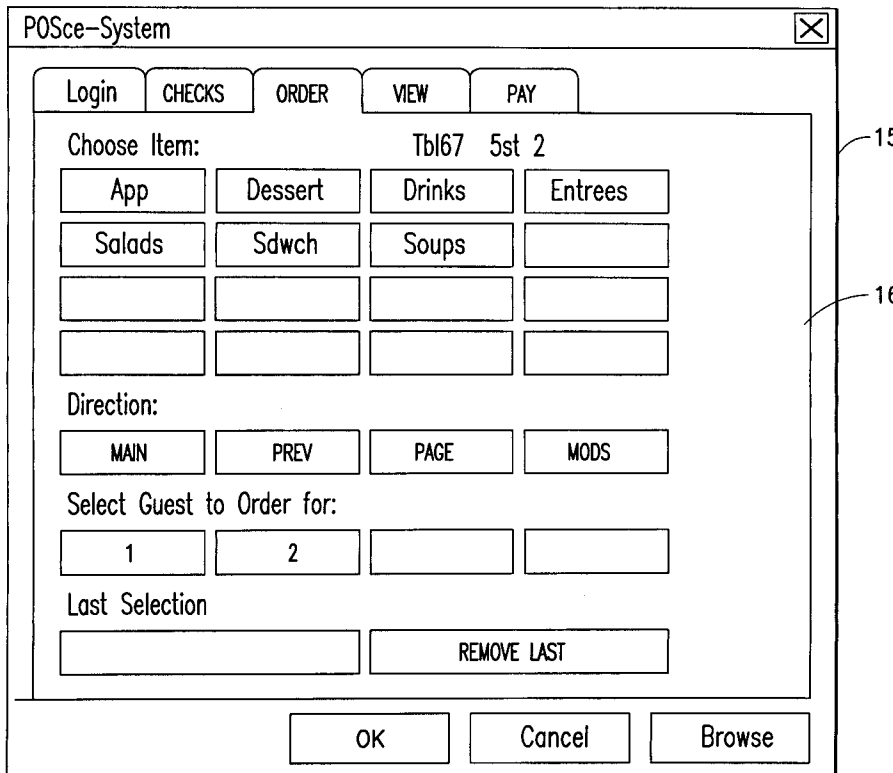
(58) **Field of Search** 345/334, 335, 345/340, 352, 353, 765, 744, 781, 810, 841; 705/26, 27, 37

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16 Claims, 6 Drawing Sheets



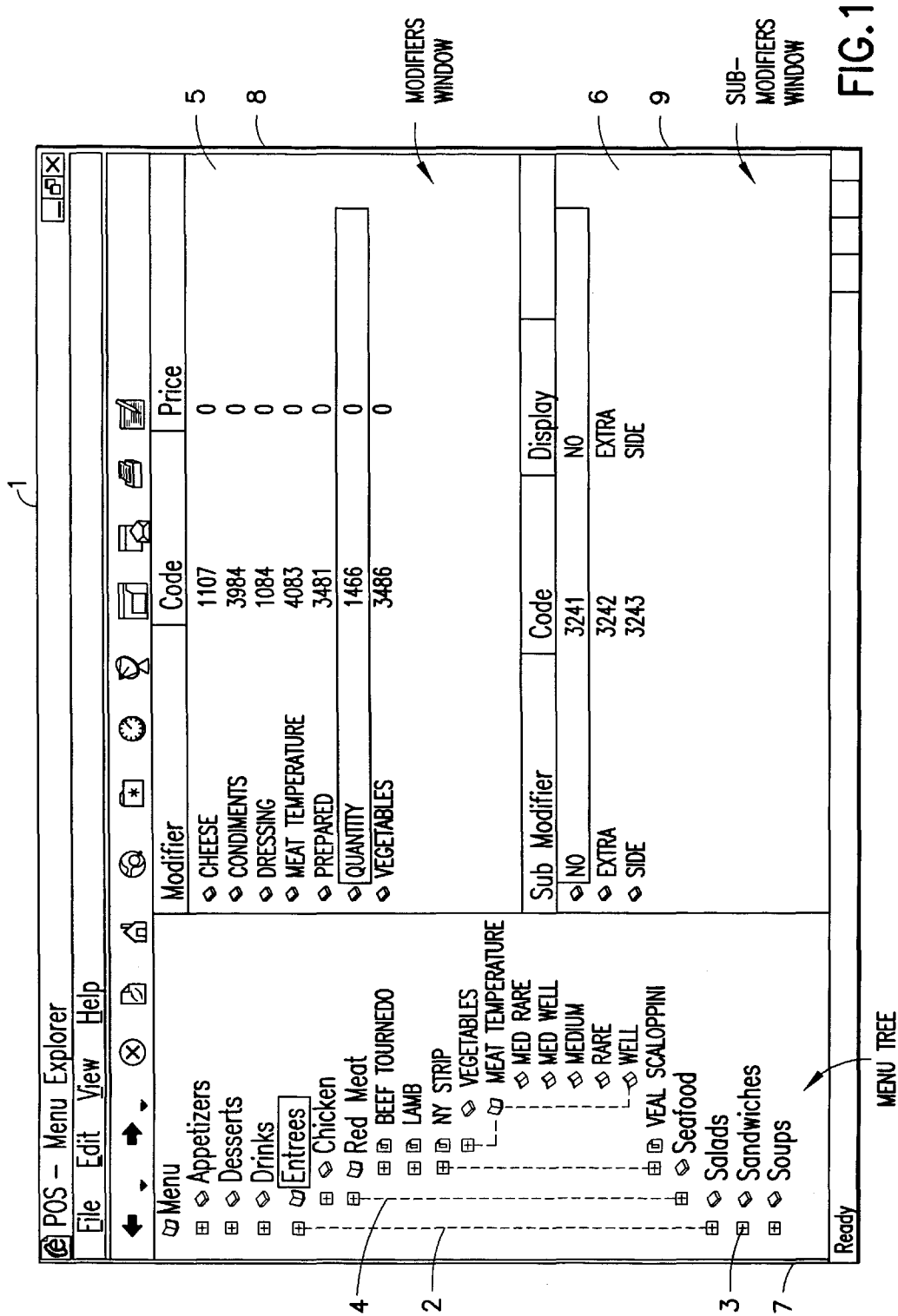
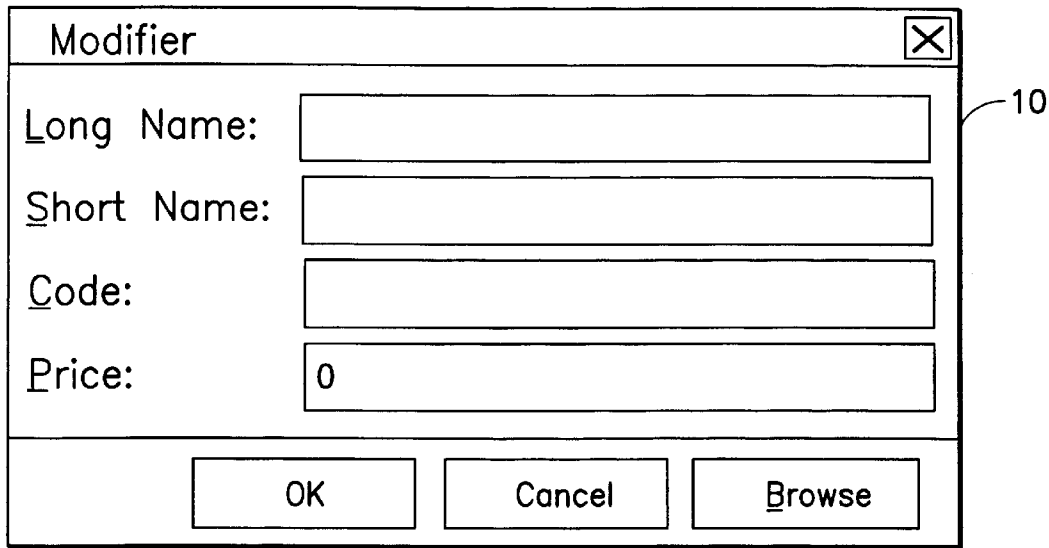
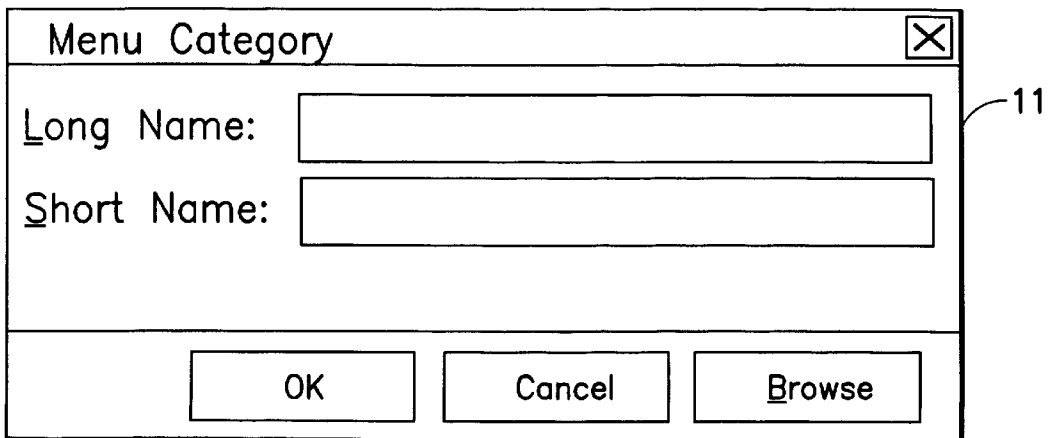


FIG.1



A dialog box titled "Modifier" with a close button (X) in the top right corner. It contains four input fields: "Long Name:", "Short Name:", "Code:", and "Price:". The "Price:" field contains the value "0". At the bottom, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "10" is positioned to the right of the dialog box.

FIG.2



A dialog box titled "Menu Category" with a close button (X) in the top right corner. It contains two input fields: "Long Name:" and "Short Name:". At the bottom, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "11" is positioned to the right of the dialog box.

FIG.3

Menu Item

Long Name: Chicken Alaska

Code: 5612

Short Name: ChxAls

Price: 12.95

Prep. Time: 12

Recipe

Flame broiled brandy marinated Tender Chicken Breast topped with a creamy cilantro sauce. Served with steamed broccoli, carrots and zucchini.

Spices include lemon pepper, paprika, ginger.

OK Cancel Browse

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FIG.4

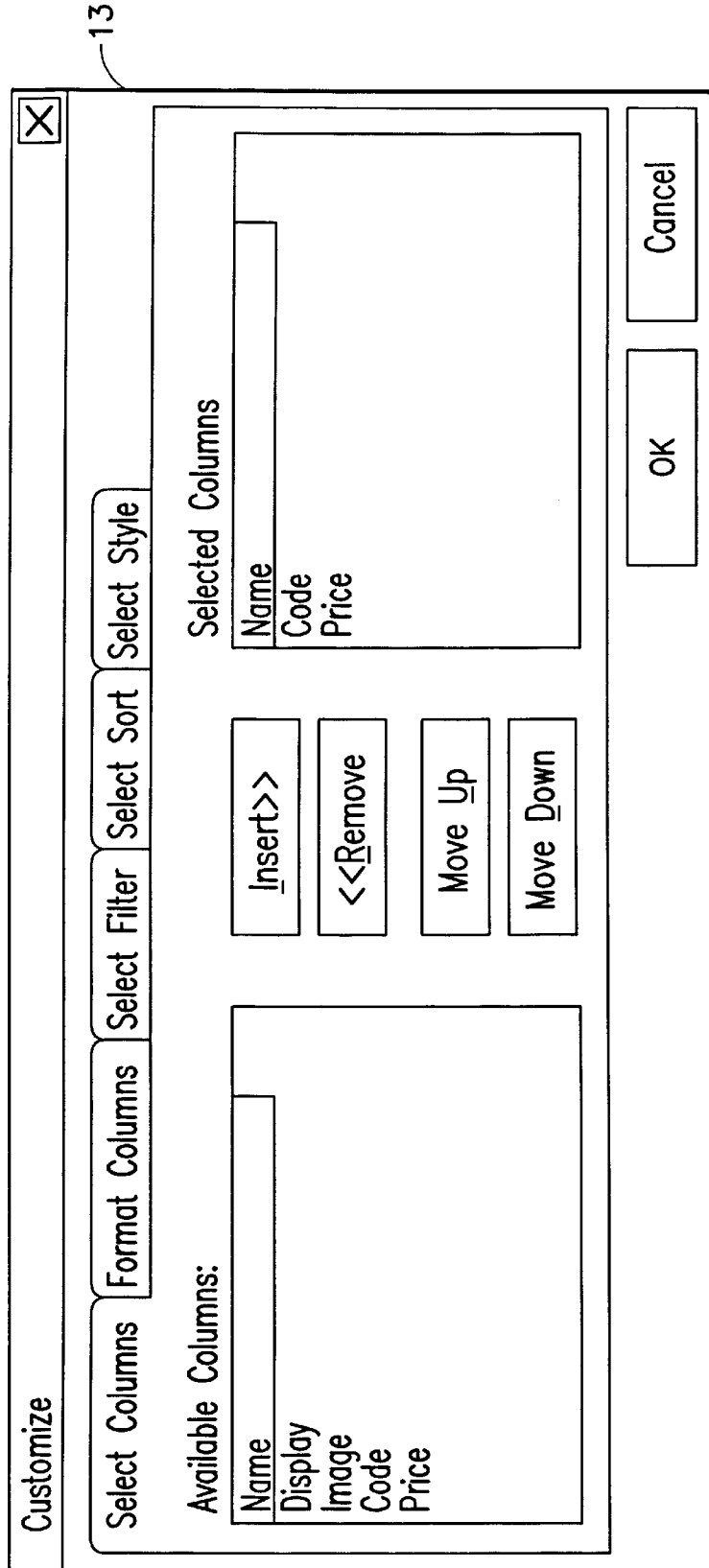


FIG. 5

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