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

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(54) **INFORMATION MANAGEMENT AND SYNCHRONOUS COMMUNICATIONS SYSTEM WITH MENU GENERATION, AND HANDWRITING AND VOICE MODIFICATION OF ORDERS**

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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 with handwritten/voice modifications 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, printer or the like.

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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 673 days.

This patent is subject to a terminal disclaimer.

(21) **Appl. No.:** 10/016,517

(22) **Filed:** Nov. 1, 2001

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/400,413, filed on Sep. 21, 1999, now Pat. No. 6,384,850.

(51) **Int. Cl.**
G06F 3/00 (2006.01)

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

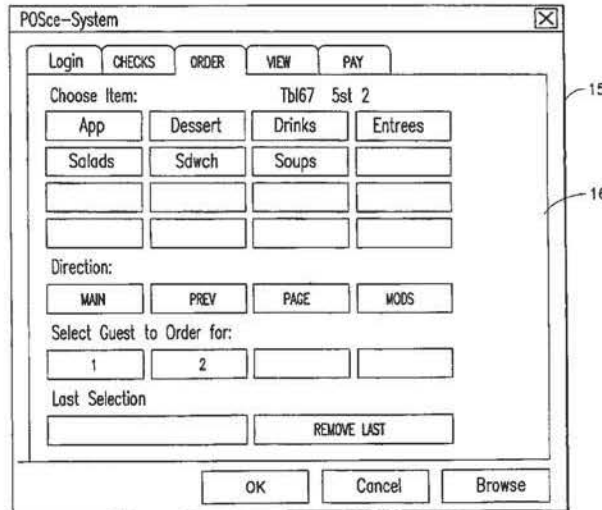
(58) **Field of Classification Search** 345/810, 345/841, 765, 744, 781
See application file for complete search history.

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16 Claims, 8 Drawing Sheets



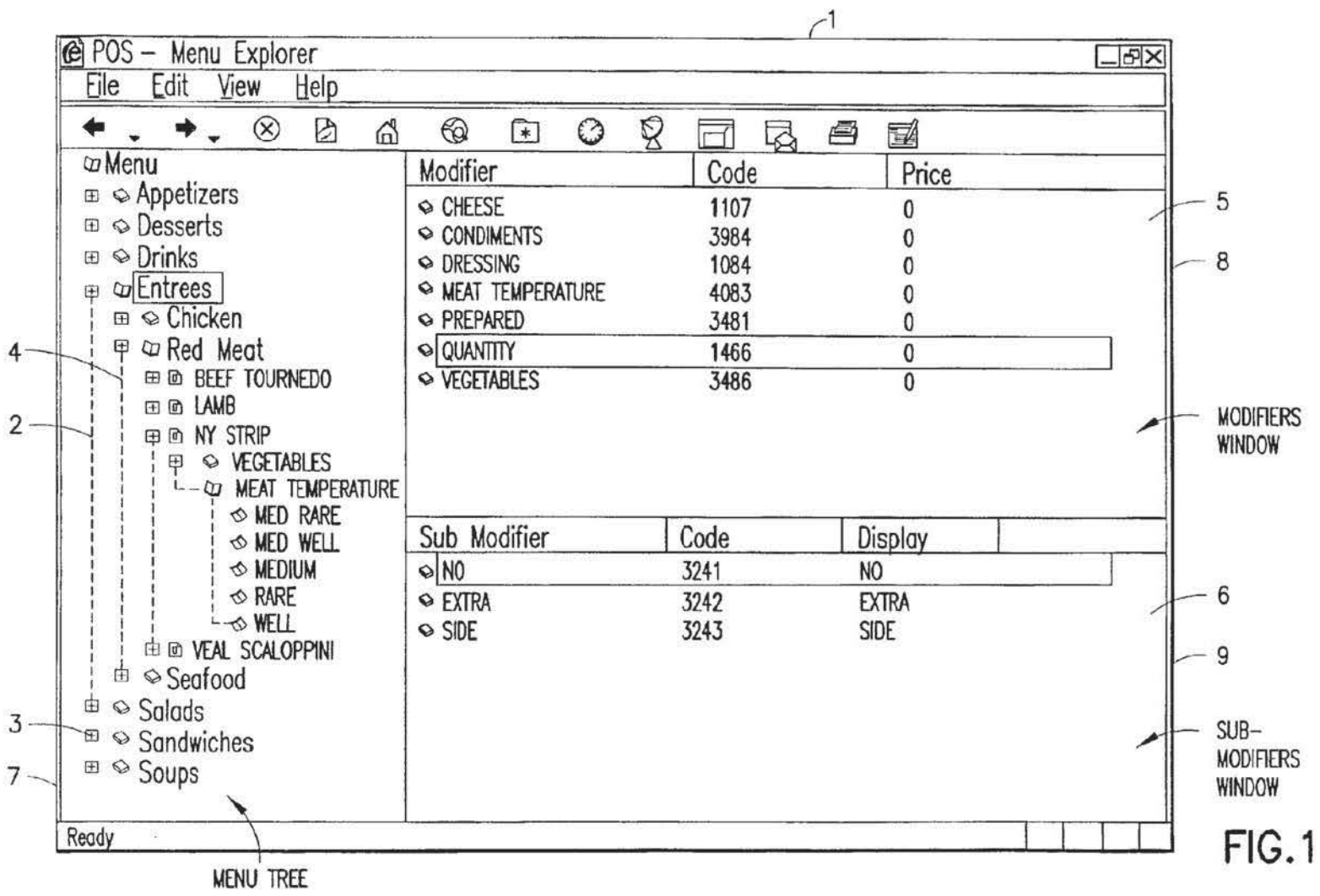


FIG. 1

A screenshot of a software dialog box titled "Modifier". The dialog box has a standard window title bar with a close button (X) in the top right corner. The main area contains four input fields, each with a label to its left: "Long Name:" followed by an empty text box; "Short Name:" followed by an empty text box; "Code:" followed by an empty text box; and "Price:" followed by a text box containing the number "0". At the bottom of the dialog box, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "10" is positioned to the right of the dialog box, with a line pointing to its right edge.

FIG.2

A screenshot of a software dialog box titled "Menu Category". The dialog box has a standard window title bar with a close button (X) in the top right corner. The main area contains two input fields, each with a label to its left: "Long Name:" followed by an empty text box; and "Short Name:" followed by an empty text box. At the bottom of the dialog box, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "11" is positioned to the right of the dialog box, with a line pointing to its right edge.

FIG.3

The image shows a software dialog box titled "Menu Item" with a close button (X) in the top right corner. The dialog contains several input fields and a text area. A reference numeral "12" points to the right side of the dialog box.

<u>L</u> ong Name:	<u>C</u> ode:	
Chicken Alaska	5612	
<u>S</u> hort Name:	<u>P</u> rice:	<u>P</u> rep. <u>T</u> ime:
ChxAls	12.95	12
<u>R</u> ecipe		
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.l		

At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Browse".

FIG. 4

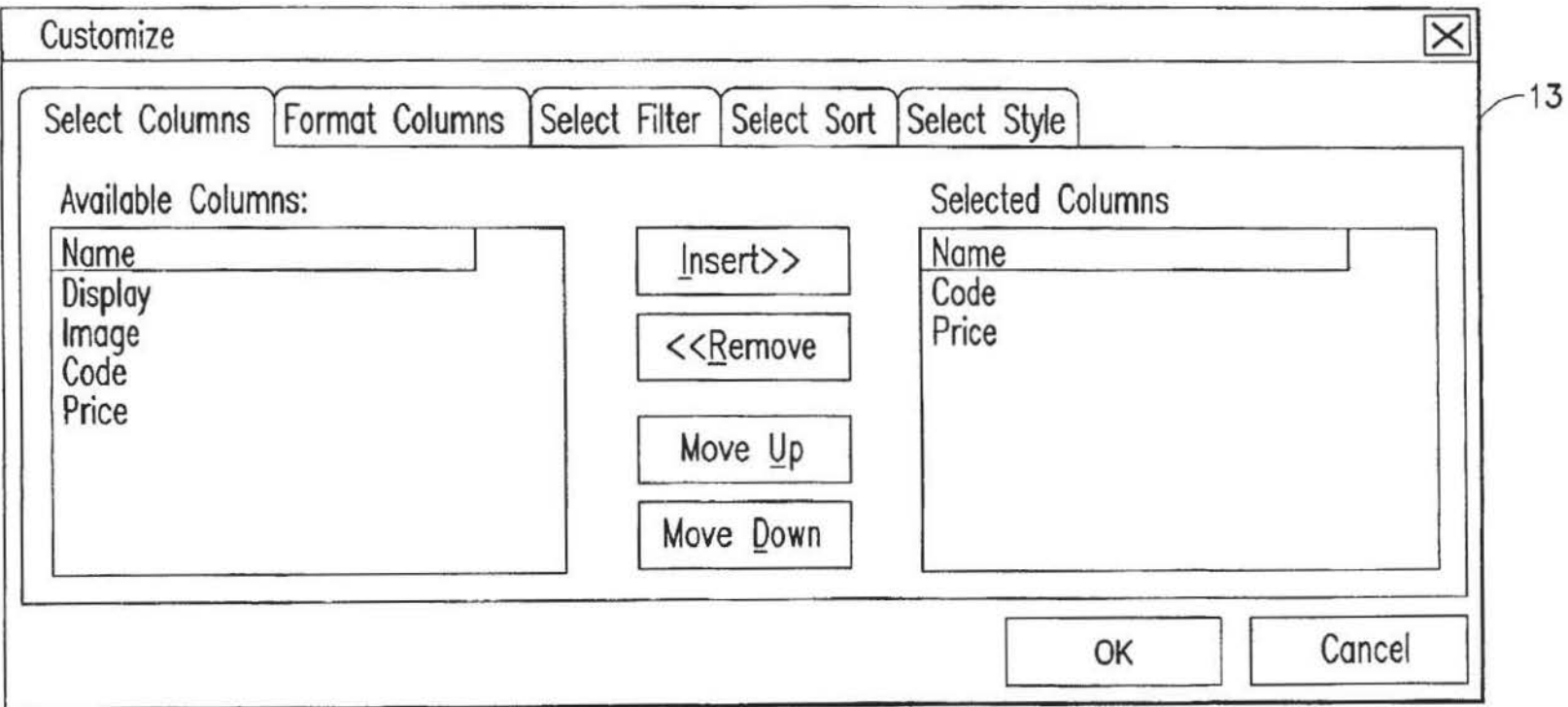


FIG.5

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