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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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6,107,944 A 8/2000 Behr et al.

**FOREIGN PATENT DOCUMENTS**

EP	0 779 759 A2	6/1997
WO	WO 98/20434	5/1998
WO	WO 98/41936	9/1998

**OTHER PUBLICATIONS**

“Graphic User Interface Builder Menu Construction Using A Tree-View Container” IBM Technical Disclosure Bulletin, vol. 38, No. 09 Sep. 1995.

“Entertainment Industry Leder Rich Rank Takes Helm At Cybermeals, World’s Largest Online Meal Ordering System” Sep. 15, 1998, <URL:Http://www.food.com/food.sph/saisp . . . s/aboutus/pressrelease.jsp?id=228>, printed on Apr. 20, 2001.

“W3C Putting Compact HTML, HDML to Test for Net Access—Mobile Markup Languages Face Off”, Yoshiko Hara, Apr. 6, 1998, <URL:http://www.techweb.com/se/directlink.cgi?eet19980406s0089>, printed Sep. 2, 1999.

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 706 days.

This patent is subject to a terminal disclaimer.

- (21) Appl. No.: **10/015,729**
- (22) Filed: **Nov. 1, 2001**

**Related U.S. Application Data**

- (63) Continuation of application No. 09/400,413, filed on Sep. 21, 1999, now Pat. No. 6,384,850.
- (51) **Int. Cl.<sup>7</sup>** ..... **G06F 3/00**
- (52) **U.S. Cl.** ..... **715/810; 715/841**
- (58) **Field of Search** ..... 715/810, 841, 715/765, 781; 705/26, 27, 37

**References Cited**

**U.S. PATENT DOCUMENTS**

5,724,069 A	*	3/1998	Chen	345/172
5,802,526 A		9/1998	Fawcett et al.	
5,912,743 A		6/1999	Kinebuchi et al.	
5,991,739 A	*	11/1999	Cupps et al.	705/26

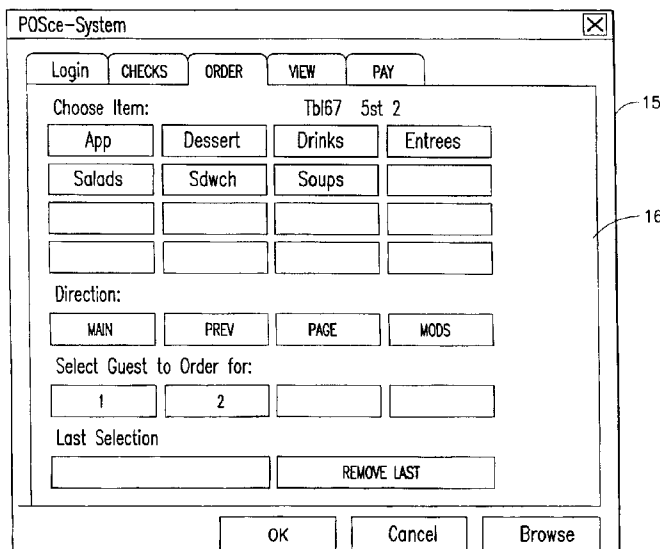
\* cited by examiner

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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 restaurant and other applications that utilize equipment with nonstandard graphical formats, display size and application 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.

**15 Claims, 6 Drawing Sheets**



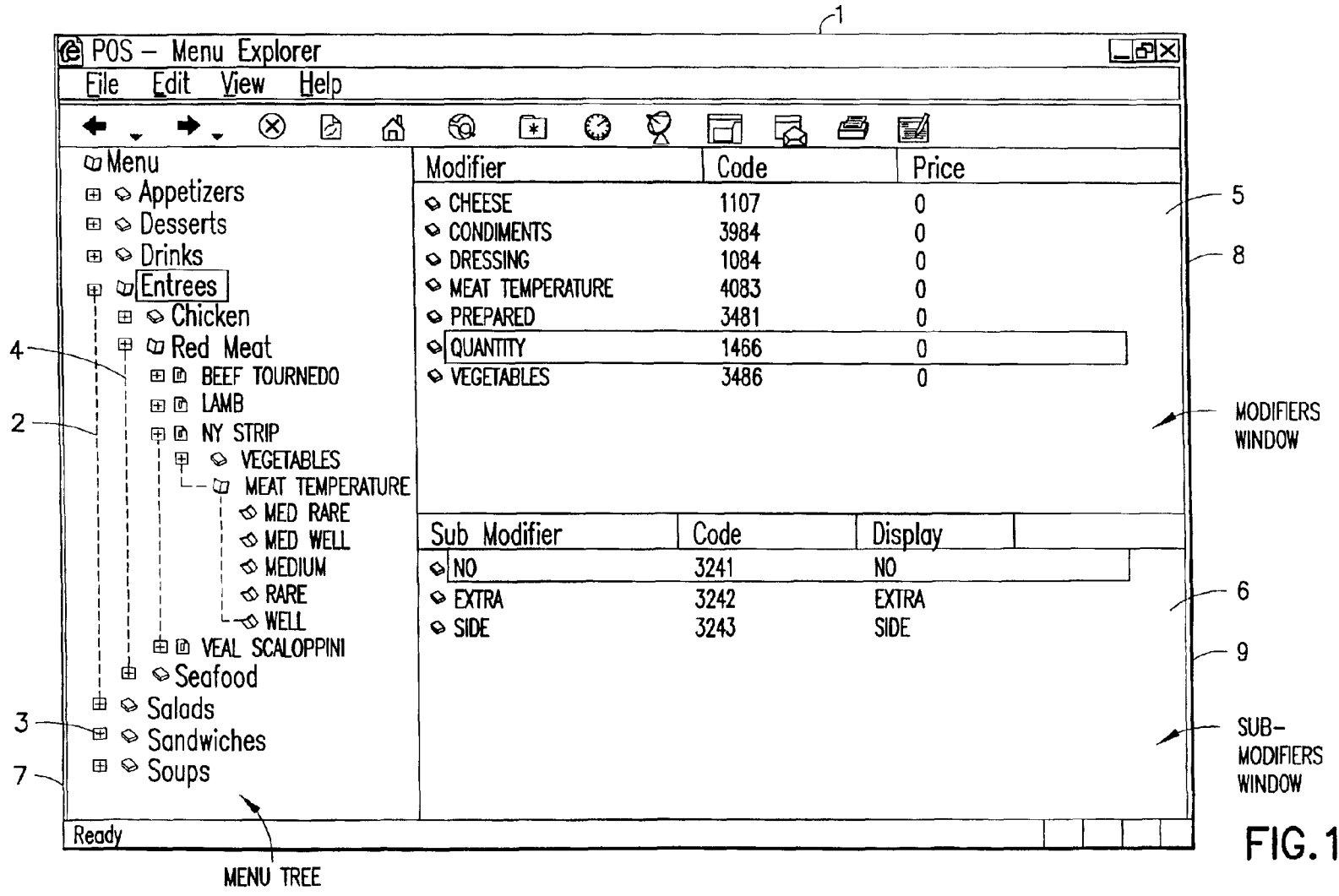


FIG. 1

The 'Modifier' dialog box (10) features a title bar with a close button (X). It contains four input fields: 'Long Name', 'Short Name', 'Code', and 'Price'. The 'Price' field is pre-filled with the number '0'. At the bottom, there are three buttons: 'OK', 'Cancel', and 'Browse'.

FIG.2

The 'Menu Category' dialog box (11) features a title bar with a close button (X). It contains two input fields: 'Long Name' and 'Short Name'. At the bottom, there are three buttons: 'OK', 'Cancel', and 'Browse'.

FIG.3

Menu Item

Long Name: Code:

Chicken Alaska 5612

Short Name: Price: Prep. Time:

ChxAls 12.95 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

12

FIG. 4

13

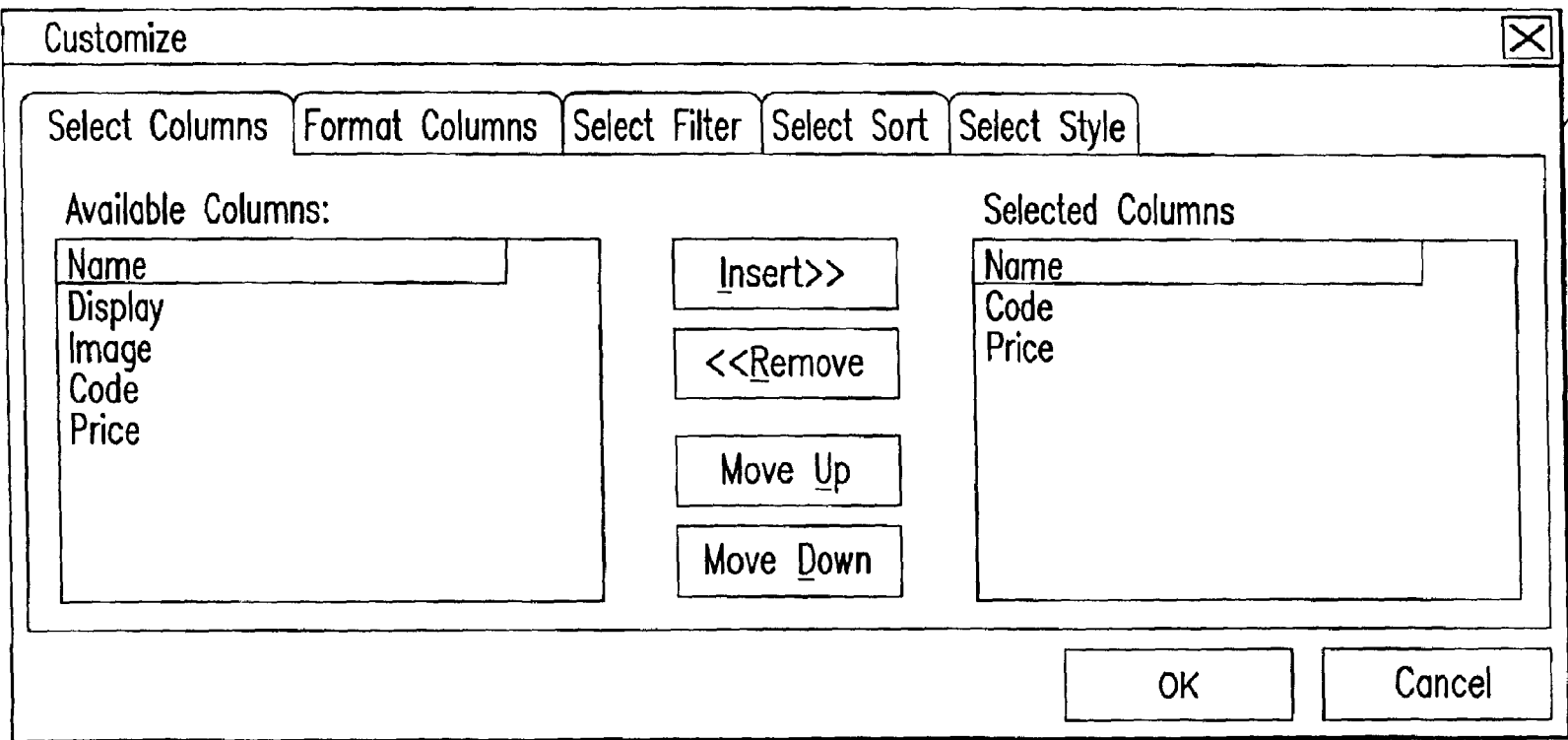


FIG.5

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