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McNally et al.

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

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.
6,107,944 A 8/2000 Behr

FOREIGN PATENT DOCUMENTS

(75) Inventors: **Keith R. McNally**, San Diego, CA (US); **Ken Rogers**, San Diego, CA (US); **Paul Rubin**, San Diego, CA (US)

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

OTHER PUBLICATIONS

(73) Assignee: **Ameranth Wireless, Inc.**, San Diego, CA (US)

(*) 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.

“Graphic User Interface Builder Menu Construction Using A Tree-View Container” IBM Technical Disclosure Bulletin, vol. 38 No. 9 Sep. 1995.

“Entertainment Industry Leader 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.

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

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

Primary Examiner—Cao (Kevin) Nguyen

(74) *Attorney, Agent, or Firm*—Morgan & Finnegan, L.L.P.

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.

(57) **ABSTRACT**

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

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.

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

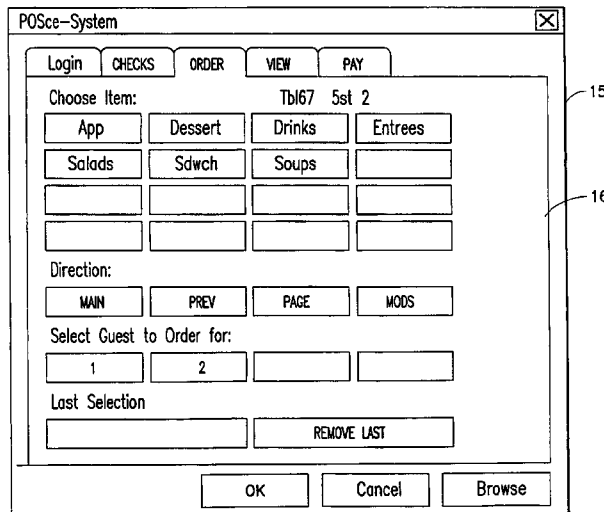
(58) **Field of Classification Search** 345/810, 345/841, 765, 744, 781
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,724,069 A 3/1998 Chen

16 Claims, 8 Drawing Sheets



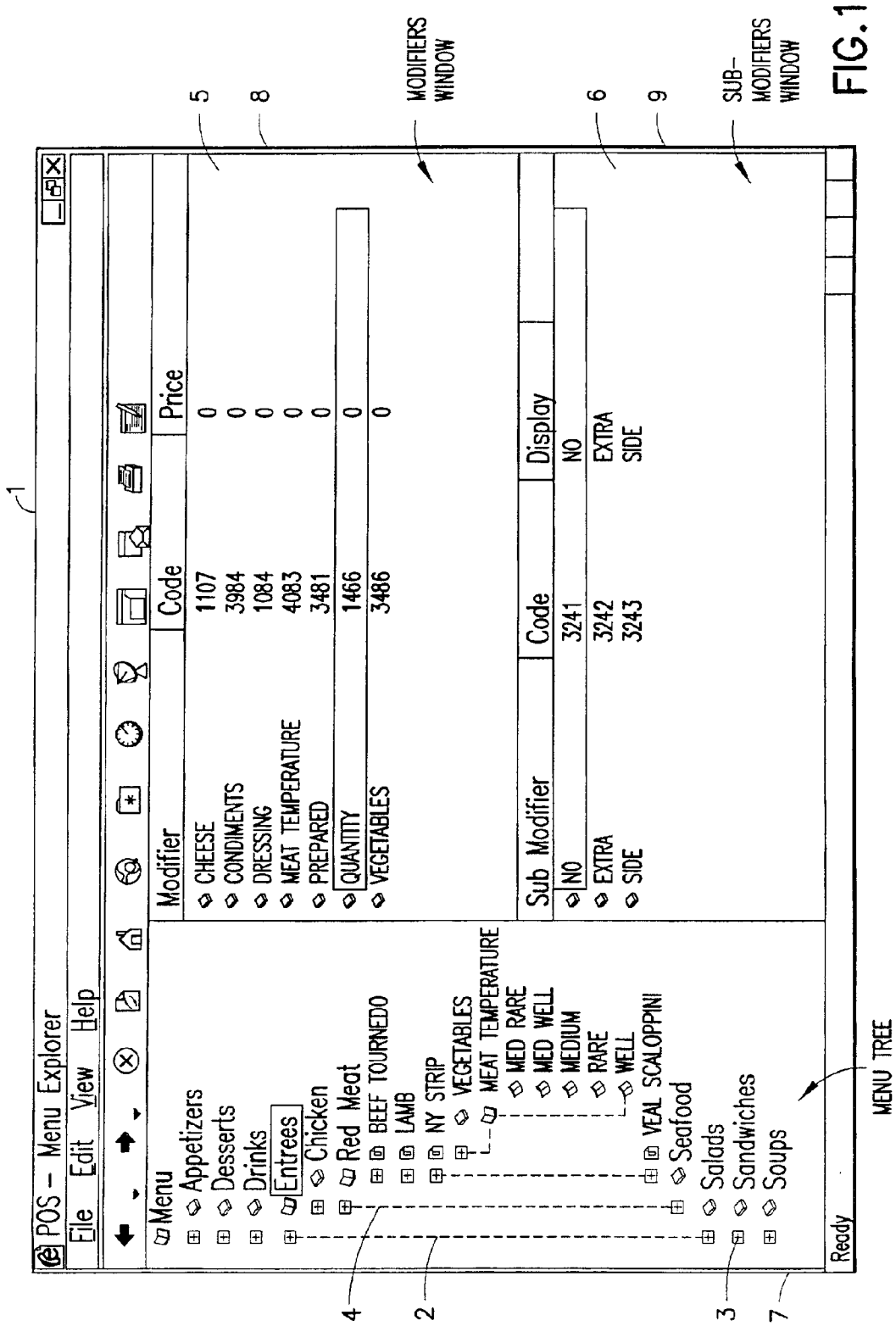


FIG. 1

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:

Short Name: Price: Prep. Time:

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

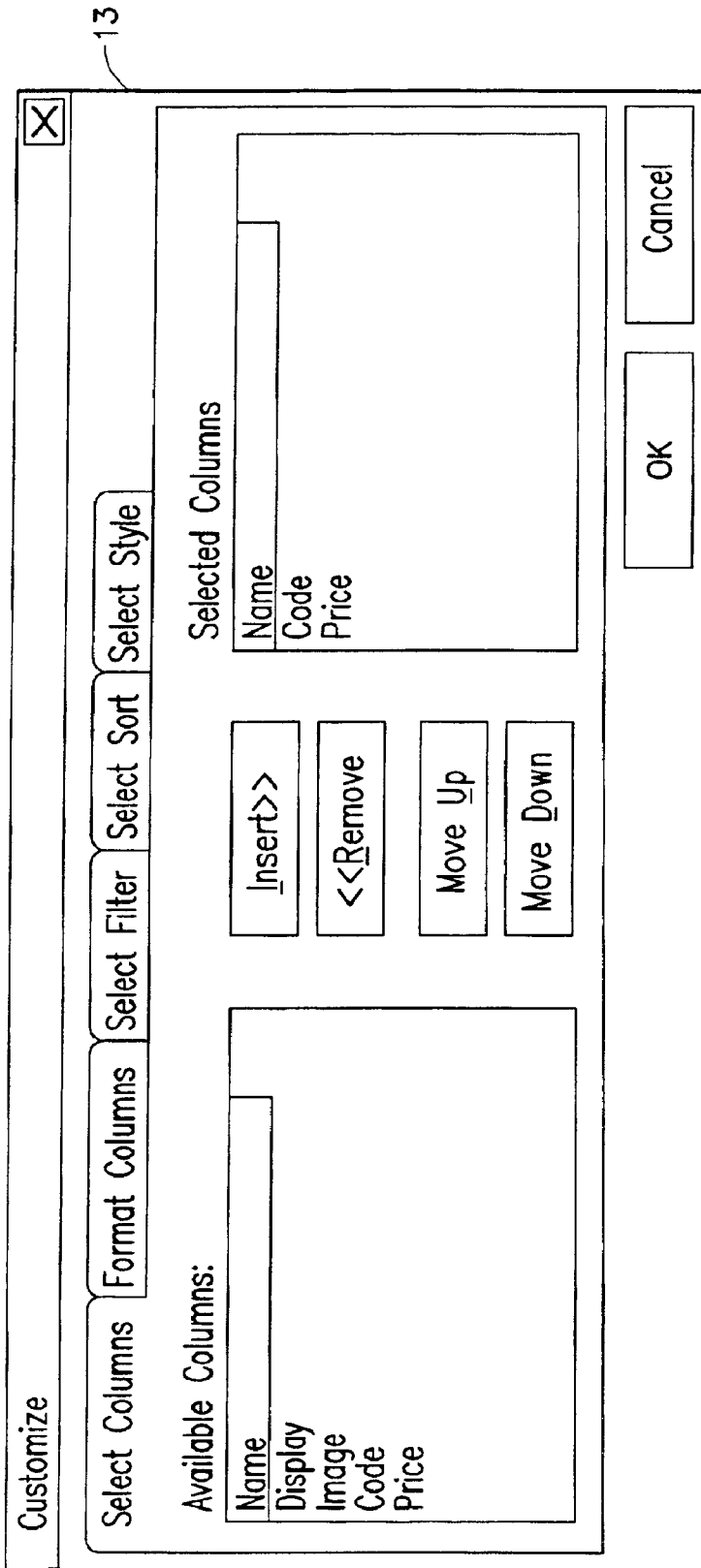


FIG.5

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