



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

(10) **Patent No.:** **US 6,384,850 B1**  
(45) **Date of Patent:** **May 7, 2002**

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

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

(75) Inventors: **Keith R. McNally**, Santa Clarita;  
**William H. Roof**, San Diego; **Richard Bergfeld**, Chatsworth, all of CA (US)

\* cited by examiner

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

*Primary Examiner*—Cao H. Nguyen  
(74) *Attorney, Agent, or Firm*—Morgan & Finnegan, LLP

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(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.**<sup>7</sup> ..... **G06F 3/00**

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

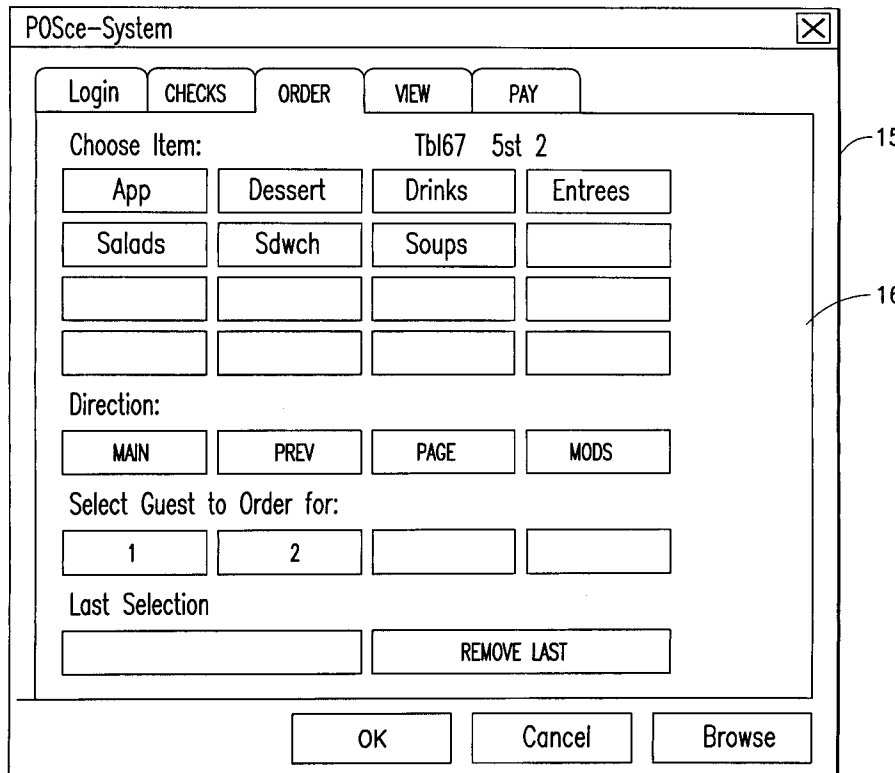
(58) **Field of Search** ..... 345/334, 335, 345/340, 352, 353, 765, 744, 781, 810, 841; 705/26, 27, 37

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,724,069 A \* 3/1998 Chen ..... 345/156

**16 Claims, 6 Drawing Sheets**



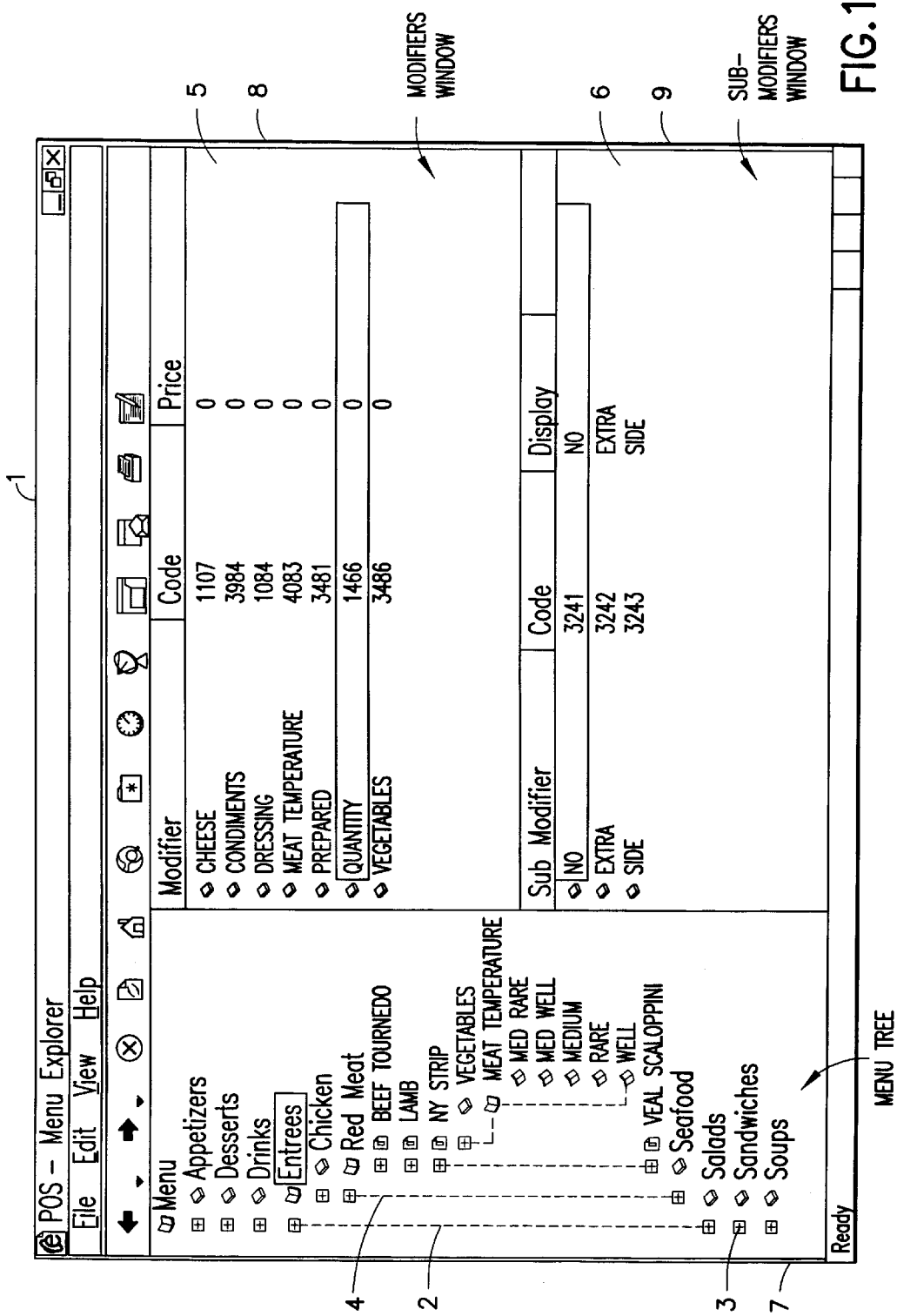


FIG. 1

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 X

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

12

FIG.4

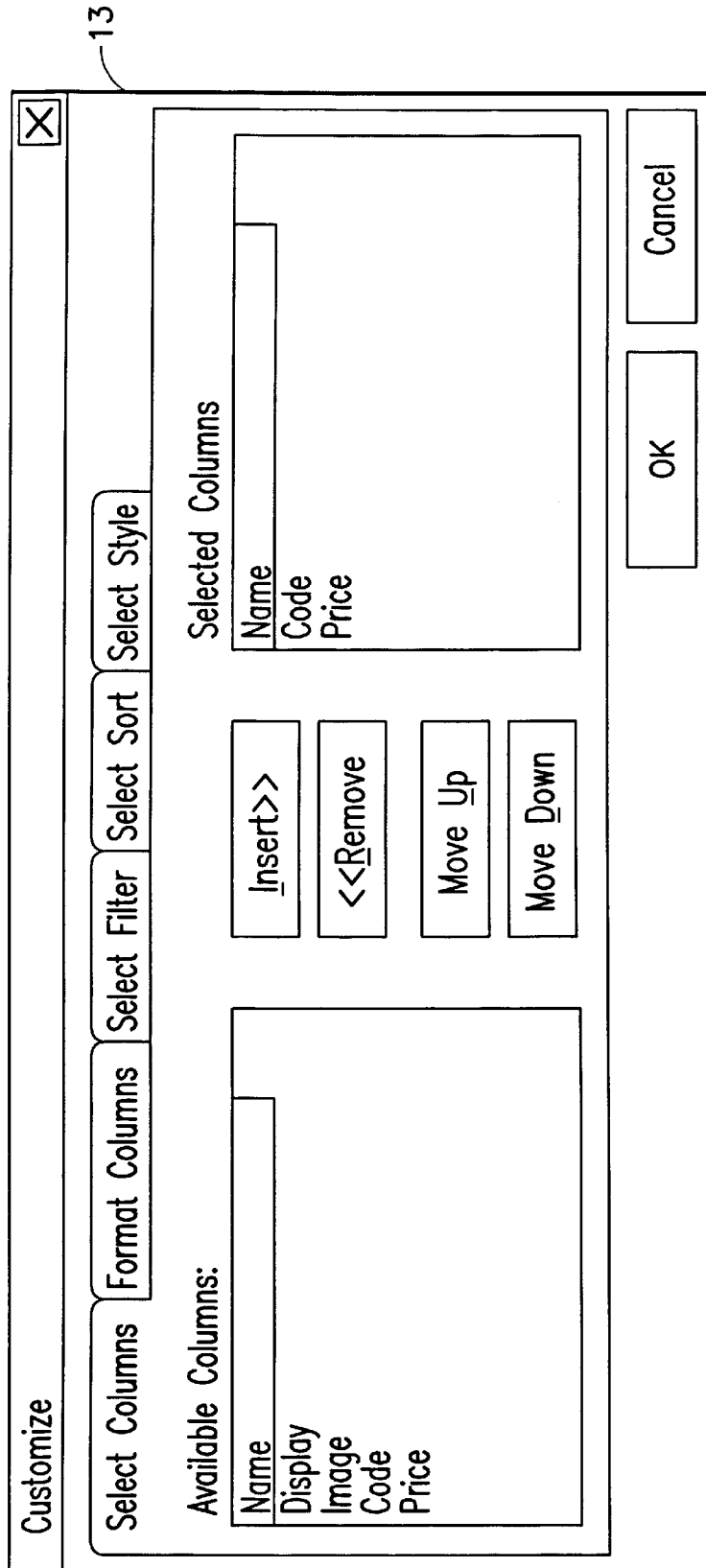


FIG. 5

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.