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

(10) **Patent No.:** **US 8,146,077 B2**  
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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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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1535 days.

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(21) Appl. No.: **11/112,990**

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(65) **Prior Publication Data**

(Continued)

US 2005/0204308 A1 Sep. 15, 2005

**Related U.S. Application Data**

(63) Continuation of application No. 10/016,517, filed on Nov. 1, 2001, now Pat. No. 6,982,733, which is a continuation-in-part of application No. 09/400,413, filed on Sep. 21, 1999, now Pat. No. 6,384,850.

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Michael D. Fabiano

(51) **Int. Cl.**  
**G06F 9/445** (2006.01)

**ABSTRACT**

(52) **U.S. Cl.** ..... **717/177; 717/102; 717/109; 717/111; 717/168; 717/174; 715/810; 715/828**

(57) 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.

(58) **Field of Classification Search** ..... **715/810-845**  
See application file for complete search history.

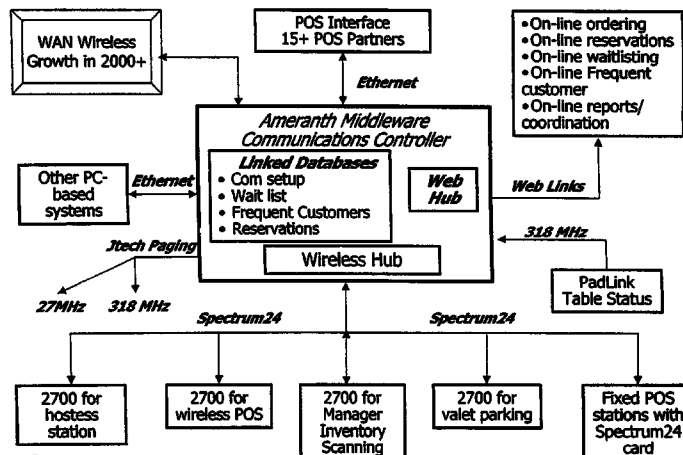
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**18 Claims, 8 Drawing Sheets**

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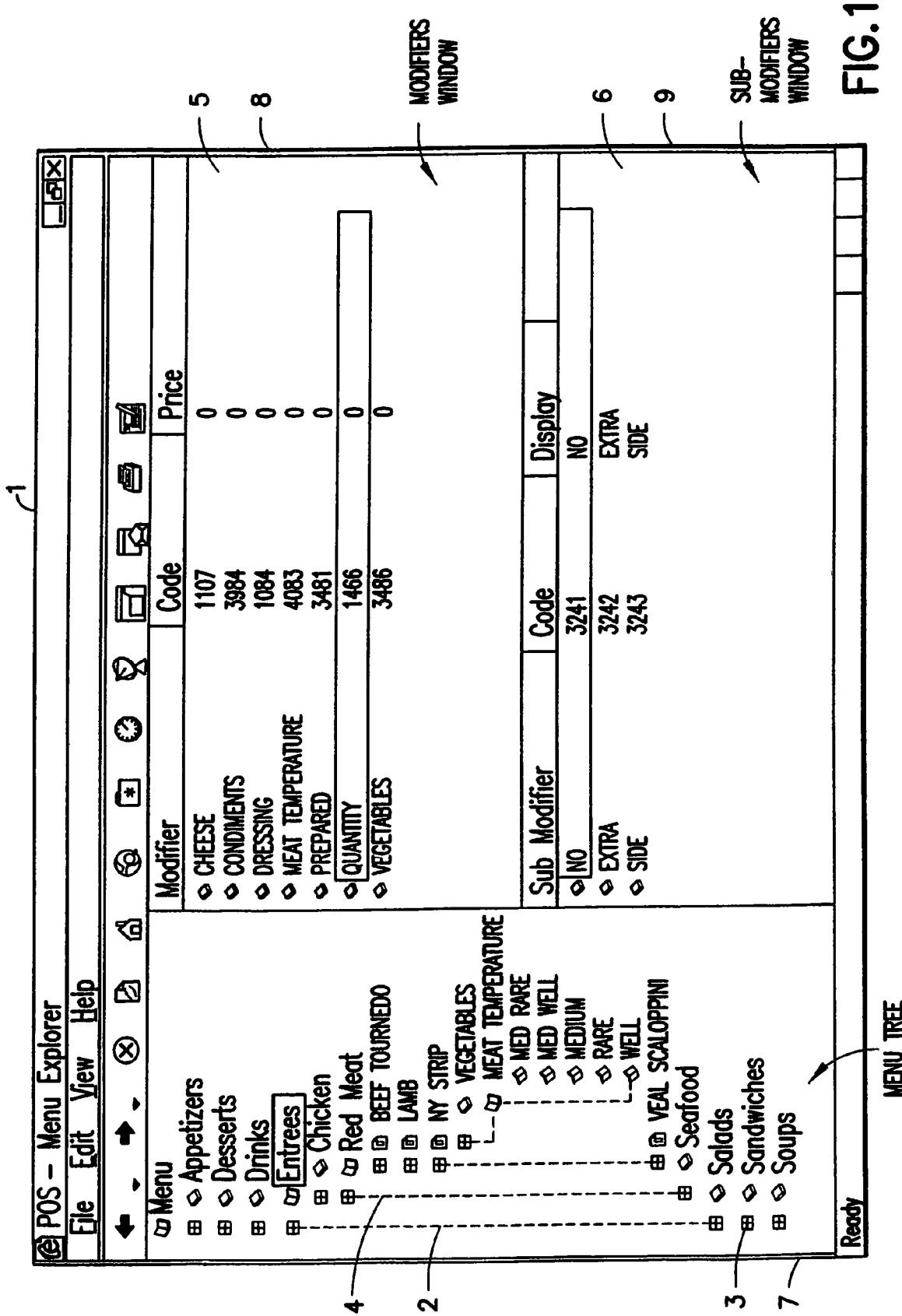


FIG. 1

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