

EXHIBIT 3



(12) **United States Patent**
McNally

(10) **Patent No.:** **US 9,747,651 B2**
(45) **Date of Patent:** **Aug. 29, 2017**

(54) **APPLICATION SOFTWARE BASED INFORMATION MANAGEMENT AND REAL TIME COMMUNICATIONS SYSTEM INCLUDING INTELLIGENT AUTOMATED ASSISTANTS (BOTS) IN A COMPUTING ECOSYSTEM INCLUDING DIFFERENT TYPES OF REMOTE COMPUTING DEVICES WITH DIFFERENT USER INTERFACES AND WITH A MASTER DATABASE THAT IS ACCESSIBLE FROM AND STORED AT A CENTRAL LOCATION**

(58) **Field of Classification Search**
CPC combination set(s) only.
See application file for complete search history.

(56) **References Cited**

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(Continued)

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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 275 days.

(21) Appl. No.: **14/276,948**

(22) Filed: **May 13, 2014**

(65) **Prior Publication Data**

US 2014/0279093 A1 Sep. 18, 2014

Related U.S. Application Data

(63) Continuation of application No. 14/265,519, filed on Apr. 30, 2014, which is a continuation of application (Continued)

(51) **Int. Cl.**
G06Q 50/12 (2012.01)
G06Q 10/02 (2012.01)

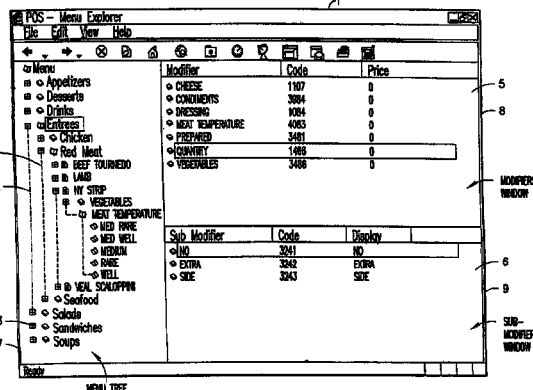
(Continued)

(52) **U.S. Cl.**
CPC **G06Q 50/12** (2013.01); **G06Q 10/02** (2013.01); **G06Q 30/0621** (2013.01); (Continued)

(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. Various operations employing automated telephone calls

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and/or messaging may, for instance, be performed. For example, desired reservation and/or appointment information may be automatically converted and conveyed to one or more entities via automated telephone call and/or messaging. As another example, information regarding reservation acceptability may be received and automatically converted via automated telephone call and/or messaging. Telephones may, for instance, be the only equipment required by the entities.

11 Claims, 9 Drawing Sheets

Related U.S. Application Data

No. 11/190,633, filed on Jul. 26, 2005, which is a continuation-in-part of application No. 11/112,990, filed on Apr. 22, 2005, now Pat. No. 8,146,077, which is a continuation of application No. 10/016,517, filed on Nov. 1, 2001, now Pat. No. 6,982,733.

- (51) **Int. Cl.**
H04L 29/06 (2006.01)
H04M 3/493 (2006.01)
G06Q 30/06 (2012.01)
- (52) **U.S. Cl.**
 CPC *G06Q 30/0623* (2013.01); *G06Q 30/0641* (2013.01); *G06Q 30/0643* (2013.01); *H04L 63/083* (2013.01); *H04M 3/4938* (2013.01); *H04M 2201/60* (2013.01); *H04M 2203/1058* (2013.01); *H04M 2203/2016* (2013.01)

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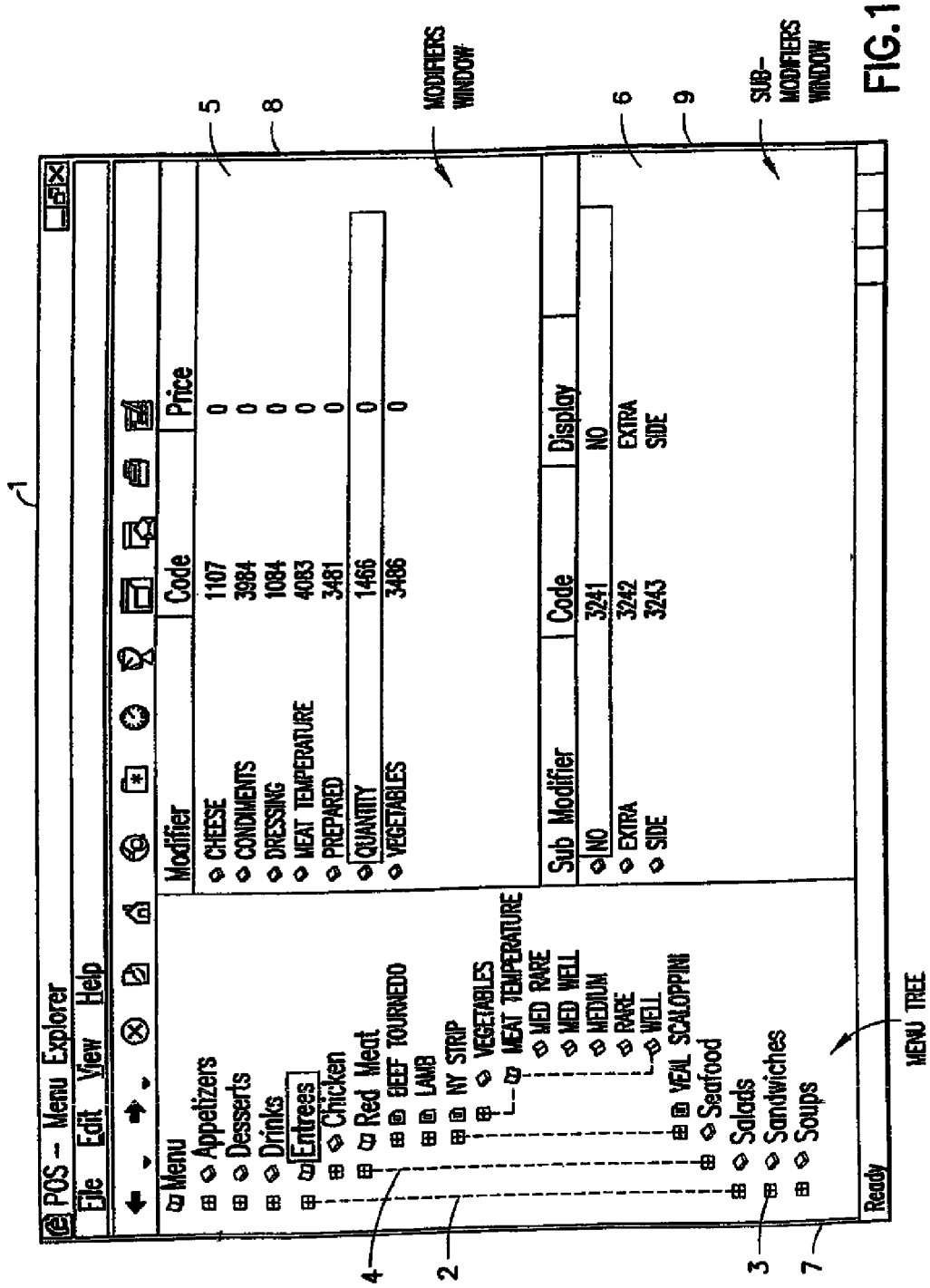
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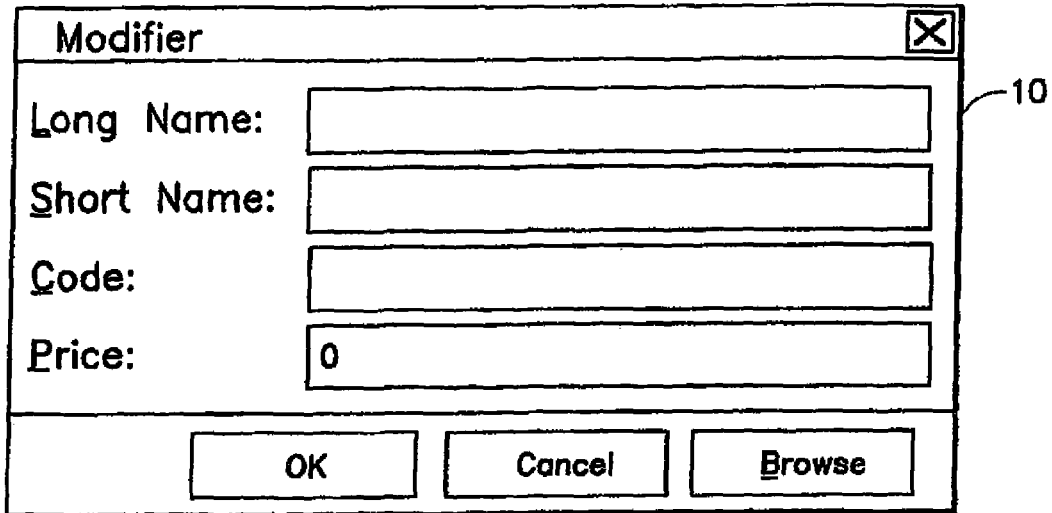
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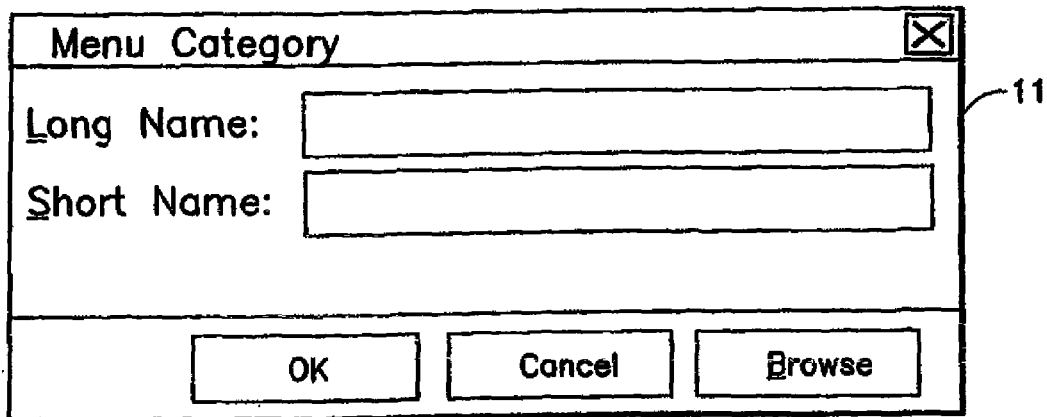
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A dialog box titled "Modifier" with a close button (X) in the top right corner. It contains four text input fields: "Long Name:", "Short Name:", "Code:", and "Price:". The "Price:" field contains the number "0". At the bottom, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "10" is positioned to the right of the dialog box.

FIG.2



A dialog box titled "Menu Category" with a close button (X) in the top right corner. It contains two text input fields: "Long Name:" and "Short Name:". At the bottom, there are three buttons: "OK", "Cancel", and "Browse". A reference numeral "11" is positioned to the right of the dialog box.

FIG.3

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