

(12) **United States Patent**
McNally

(10) **Patent No.:** **US 9,747,651 B2**
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(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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(65) **Prior Publication Data**

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Related U.S. Application Data

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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);

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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 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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