

EXHIBIT 1

Claim Comparison

Claim 1 of U.S. Patent No. 9,747,651	Claim 1 of U.S. Patent No. 8,146,077
1. A rule capable intelligent automated assistants (IAA) system for use with remote wireless handheld computing devices and the internet, comprising:	1. An information management and real time synchronous communications system for configuring and transmitting hospitality menus comprising:
a) at least one hospitality software back-office application with at least one IAA-based interface and enabled to execute one or more rules while communicating via free format messaging and at least one interface with fixed format messaging communications with web browsers for communicating bi-directionally with two or more different remote wireless handheld computing devices;	a. a central processing unit,
b) a master database containing data and parameters of the at least one hospitality software application pursuant to a master database file structure with predefined formats and specific fields and which is accessible through a database application programming interface (API);	b. a data storage device connected to said central processing unit,
c) at least one computer server, with associated data storage capabilities for the at least one hospitality software application, and the master database;	c. an operating system including a first graphical user interface,
d) at least one application software based communications control module (CCM) integrated with the hospitality application software and enabled to interface with at least one communications protocol;	d. a master menu including at least menu categories, menu items and modifiers, wherein said master menu is capable of being stored on said data storage device pursuant to a master menu file structure and said master menu is capable of being configured for display to facilitate user operations in at least one window of said first graphical user interface as cascaded sets of linked graphical user interface screens, and
e) at least one web server enabled by the	e. menu configuration software enabled to

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<p>CCM to concurrently communicate via the internet with two or more different remote wireless handheld computing devices;</p>	<p>generate a programmed handheld menu configuration from said master menu for wireless transmission to and programmed for display on a wireless handheld computing device, said programmed handheld menu configuration comprising at least menu categories, menu items and modifiers and wherein the menu configuration software is enabled to generate said programmed handheld menu configuration by utilizing parameters from the master menu file structure defining at least the menu categories, menu items and modifiers of the master menu such that at least the menu categories, menu items and modifiers comprising the programmed handheld menu configuration are synchronized in real time with analogous information comprising the master menu,</p>
<p>f) at least one wireless handheld remote computing device with at least one IAA mobile application and user interface with free format messaging that enables access to and communications with the back office hospitality software application and its IAA-based interface;</p>	<p>wherein the menu configuration software is further enabled to generate the programmed handheld menu configuration in conformity with a customized display layout unique to the wireless handheld computing device to facilitate user operations with and display of the programmed handheld menu configuration on the display screen of a handheld graphical user interface integral with the wireless handheld computing device, wherein said customized display layout is compatible with the displayable size of the handheld graphical user interface wherein the programmed handheld menu configuration is configured by the menu configuration software for display as programmed cascaded sets of linked graphical user interface screens appropriate for the customized display layout of the wireless handheld computing device, wherein said programmed cascaded sets of linked graphical user interface screens for display of the handheld menu configuration are configured differently from the cascaded sets of linked graphical user interface screens for display of the master menu on said first graphical user</p>

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	interface, and
g) at least one other wireless handheld remote computing device which uses a web browser based user interface with fixed format messaging to access and communicate with the back office hospitality application software;	wherein the system is enabled for real time synchronous communications to and from the wireless handheld computing device utilizing the programmed handheld menu configuration including the capability of real time synchronous transmission of the programmed handheld menu configuration to the wireless handheld computing device and real time synchronous transmissions of selections made from the handheld menu configuration on the wireless handheld computing device, and
h) at least one external application programming interface for fully integrating via the internet the hospitality back office software application with one or more non hospitality software applications;	wherein the system is further enabled to automatically format the programmed handheld menu configuration for display as cascaded sets of linked graphical user interface screens appropriate for a customized display layout of at least two different wireless handheld computing device display sizes in the same connected system, and
wherein the system elements are enabled to communicate bi-directionally in real time via the back office hospitality application software and the database API and the communications control module while utilizing the parameters and data of the master database file structure in interfacing the back office hospitality software application between and with the two or more remote wireless handheld computing devices with their different user interfaces while maintaining consistency with the master database.	wherein a cascaded set of linked graphical user interface screens for a wireless handheld computing device in the system includes a different number of user interface screens from at least one other wireless handheld computing device in the system.