

[0016] FIG. 10 illustrates an exemplary operating environment that can be employed in accordance with the claimed subject matter.

DETAILED DESCRIPTION

[0017] The claimed subject matter is described with reference to the drawings, wherein like reference numerals are used to refer to like elements throughout. In the following description, for purposes of explanation, numerous specific details are set forth in order to provide a thorough understanding of the subject innovation. It may be evident, however, that the claimed subject matter may be practiced without these specific details. In other instances, well-known structures and devices are shown in block diagram form in order to facilitate describing the subject innovation.

[0018] As utilized herein, terms “component,” “system,” “device,” “sensor,” “store,” “engine,” “aggregator,” and the like are intended to refer to a computer-related entity, either hardware, software (e.g., in execution), and/or firmware. For example, a component can be a process running on a processor, a processor, an object, an executable, a program, a function, a library, a subroutine, and/or a computer or a combination of software and hardware. By way of illustration, both an application running on a server and the server can be a component. One or more components can reside within a process and a component can be localized on one computer and/or distributed between two or more computers.

[0019] Furthermore, the claimed subject matter may be implemented as a method, apparatus, or article of manufacture using standard programming and/or engineering techniques to produce software, firmware, hardware, or any combination thereof to control a computer to implement the disclosed subject matter. The term “article of manufacture” as used herein is intended to encompass a computer program accessible from any computer-readable device, carrier, or media. For example, computer readable media can include but are not limited to magnetic storage devices (e.g., hard disk, floppy disk, magnetic strips . . .), optical disks (e.g., compact disk (CD), digital versatile disk (DVD) . . .), smart cards, and flash memory devices (e.g., card, stick, key drive . . .). Additionally it should be appreciated that a carrier wave can be employed to carry computer-readable electronic data such as those used in transmitting and receiving electronic mail or in accessing a network such as the Internet or a local area network (LAN). Of course, those skilled in the art will recognize many modifications may be made to this configuration without departing from the scope or spirit of the claimed subject matter. Moreover, the word “exemplary” is used herein to mean serving as an example, instance, or illustration. Any aspect or design described herein as “exemplary” is not necessarily to be construed as preferred or advantageous over other aspects or designs.

[0020] Now turning to the figures, FIG. 1 illustrates a system 100 that facilitates communicating with a device utilizing a ring component worn by a user on a digit. The system 100 can include a ring component 102 that enables a user 104 to interact and/or communicate with a device 106 based upon detected data associated with such user 104. In particular, the ring component 102 can be worn by the user 104 on, for instance, at least one finger on a hand or at least one toe on a foot. By wearing the ring component 102 on a digit or finger on a hand or a toe on a foot, data collection and interaction with the device 106 can be more manageable and efficient. For example, the ring component 102 can be a decorative

piece worn by the user 104 as well as an input device for the device 106. In other words, data collection from the user 104 can be seamlessly implemented by the ring component 102 in connection with the device 106.

[0021] The ring component 102 can aggregate data from the user 102 such as, but not limited to, conductance, inductance, resistance, motions, gestures, and the like. For example, a specific motion can be detected by the ring component 102 in which such specific motion can initiate a particular control, feature, or function of the device 106. In another example, the ring component 102 can be activated by identifying a level of conductance related to a specific user. Thus, a conductance level can be a security measure which prevents other users from interacting with the device 106 with the ring component 102. In other words, real-time data collected by the ring component 102 from the user 104 can be utilized to interact with the device 106 and/or data displayed or associated with the device 106. Moreover, the user 104 can be employed as an input and/or an output in connection with the device 106.

[0022] In an example, the user 104 can link a detectable input received by the ring component 102 to a function or feature on the device 106, wherein the device is a mobile communication device. Such detectable input can be a particular motion received by the ring component 102 being worn on a finger or toe of the user 104. For instance, the simulated motion of twisting a knob can be detected by the ring component 102 and can interact with the device 106 by providing a scrolling, volume adjustment, data browsing, zooming, any suitable data interaction or control, etc. In another example, the ring component 102 can detect a shaking motion by the user 104 in which such shaking motion can initiate a speed dial for a particular contact. It is to be appreciated that the above examples are not to be limiting on the subject innovation and any suitable detected activity from the ring component 102 can be employed to interact with the device 106.

[0023] In addition, the system 100 can include any suitable and/or necessary interface component (not shown), which provides various adapters, connectors, channels, communication paths, etc. to integrate the ring component 102 into virtually any operating and/or database system(s) and/or with one another. In addition, the interface component can provide various adapters, connectors, channels, communication paths, etc., that provide for interaction with the ring component 102, the user 104, the device 106, and any other device and/or component associated with the system 100.

[0024] FIG. 2 illustrates a system 200 that facilitates incorporating one or more sensors into a ring component worn by a user to collect information for device interaction. The system 200 can include the ring component 102 which allows real-time data collection in connection with the user 104. Specifically, the ring component 102 can be worn by the user 102 on a digit or finger on at least one hand or on a toe on at least one foot. It is to be appreciated that the ring component 102 can be further attached to or worn on a portion of the user (e.g., a ring on a necklace, etc.), a waist of a user, a leg of a user, an arm of a user, a wrist of a user, a neck of a user, an ankle of a user, and/or any other body part of portion of the user to which a ring can worn.

[0025] The ring component 102 can provide inputs to the device 106 as well as outputs to the user from the device 106. The device 106 can be, but is not limited to being, a computing device, a smartphone, a mobile communication device, a