

disparate ring, and/or any other suitable output that can be incorporated into a ring worn on a digit on the user. At reference numeral **808**, an alert can be provided to the user based upon the detection of a friend being within a geographic range of the user.

**[0053]** In order to provide additional context for implementing various aspects of the claimed subject matter, FIGS. **9-10** and the following discussion is intended to provide a brief, general description of a suitable computing environment in which the various aspects of the subject innovation may be implemented. For example, a ring component that enables device and data interaction while being worn on a digit on a hand or a toe on a foot, as described in the previous figures, can be implemented in such suitable computing environment. While the claimed subject matter has been described above in the general context of computer-executable instructions of a computer program that runs on a local computer and/or remote computer, those skilled in the art will recognize that the subject innovation also may be implemented in combination with other program modules. Generally, program modules include routines, programs, components, data structures, etc., that perform particular tasks and/or implement particular abstract data types.

**[0054]** Moreover, those skilled in the art will appreciate that the inventive methods may be practiced with other computer system configurations, including single-processor or multiprocessor computer systems, minicomputers, mainframe computers, as well as personal computers, hand-held computing devices, microprocessor-based and/or programmable consumer electronics, and the like, each of which may operatively communicate with one or more associated devices. The illustrated aspects of the claimed subject matter may also be practiced in distributed computing environments where certain tasks are performed by remote processing devices that are linked through a communications network. However, some, if not all, aspects of the subject innovation may be practiced on stand-alone computers. In a distributed computing environment, program modules may be located in local and/or remote memory storage devices.

**[0055]** FIG. **9** is a schematic block diagram of a sample-computing environment **900** with which the claimed subject matter can interact. The system **900** includes one or more client(s) **910**. The client(s) **910** can be hardware and/or software (e.g., threads, processes, computing devices). The system **900** also includes one or more server(s) **920**. The server(s) **920** can be hardware and/or software (e.g., threads, processes, computing devices). The servers **920** can house threads to perform transformations by employing the subject innovation, for example.

**[0056]** One possible communication between a client **910** and a server **920** can be in the form of a data packet adapted to be transmitted between two or more computer processes. The system **900** includes a communication framework **940** that can be employed to facilitate communications between the client(s) **910** and the server(s) **920**. The client(s) **910** are operably connected to one or more client data store(s) **950** that can be employed to store information local to the client(s) **910**. Similarly, the server(s) **920** are operably connected to one or more server data store(s) **930** that can be employed to store information local to the servers **920**.

**[0057]** With reference to FIG. **10**, an exemplary environment **1000** for implementing various aspects of the claimed subject matter includes a computer **1012**. The computer **1012** includes a processing unit **1014**, a system memory **1016**, and a system bus **1018**. The system bus **1018** couples system components including, but not limited to, the system memory **1016** to the processing unit **1014**. The processing unit **1014**

can be any of various available processors. Dual microprocessors and other multiprocessor architectures also can be employed as the processing unit **1014**.

**[0058]** The system bus **1018** can be any of several types of bus structure(s) including the memory bus or memory controller, a peripheral bus or external bus, and/or a local bus using any variety of available bus architectures including, but not limited to, Industrial Standard Architecture (ISA), Micro-Channel Architecture (MSA), Extended ISA (EISA), Intelligent Drive Electronics (IDE), VESA Local Bus (VLB), Peripheral Component Interconnect (PCI), Card Bus, Universal Serial Bus (USB), Advanced Graphics Port (AGP), Personal Computer Memory Card International Association bus (PCMCIA), Firewire (IEEE 1394), and Small Computer Systems Interface (SCSI).

**[0059]** The system memory **1016** includes volatile memory **1020** and nonvolatile memory **1022**. The basic input/output system (BIOS), containing the basic routines to transfer information between elements within the computer **1012**, such as during start-up, is stored in nonvolatile memory **1022**. By way of illustration, and not limitation, nonvolatile memory **1022** can include read only memory (ROM), programmable ROM (PROM), electrically programmable ROM (EPROM), electrically erasable programmable ROM (EEPROM), or flash memory. Volatile memory **1020** includes random access memory (RAM), which acts as external cache memory. By way of illustration and not limitation, RAM is available in many forms such as static RAM (SRAM), dynamic RAM (DRAM), synchronous DRAM (SDRAM), double data rate SDRAM (DDR SDRAM), enhanced SDRAM (ESDRAM), Synchlink DRAM (SLDRAM), Rambus direct RAM (RDRAM), direct Rambus dynamic RAM (DRDRAM), and Rambus dynamic RAM (RDRAM).

**[0060]** Computer **1012** also includes removable/non-removable, volatile/non-volatile computer storage media. FIG. **10** illustrates, for example a disk storage **1024**. Disk storage **1024** includes, but is not limited to, devices like a magnetic disk drive, floppy disk drive, tape drive, Jaz drive, Zip drive, LS-100 drive, flash memory card, or memory stick. In addition, disk storage **1024** can include storage media separately or in combination with other storage media including, but not limited to, an optical disk drive such as a compact disk ROM device (CD-ROM), CD recordable drive (CD-R Drive), CD rewritable drive (CD-RW Drive) or a digital versatile disk ROM drive (DVD-ROM). To facilitate connection of the disk storage devices **1024** to the system bus **1018**, a removable or non-removable interface is typically used such as interface **1026**.

**[0061]** It is to be appreciated that FIG. **10** describes software that acts as an intermediary between users and the basic computer resources described in the suitable operating environment **1000**. Such software includes an operating system **1028**. Operating system **1028**, which can be stored on disk storage **1024**, acts to control and allocate resources of the computer system **1012**. System applications **1030** take advantage of the management of resources by operating system **1028** through program modules **1032** and program data **1034** stored either in system memory **1016** or on disk storage **1024**. It is to be appreciated that the claimed subject matter can be implemented with various operating systems or combinations of operating systems.

**[0062]** A user enters commands or information into the computer **1012** through input device(s) **1036**. Input devices **1036** include, but are not limited to, a pointing device such as a mouse, trackball, stylus, touch pad, keyboard, microphone, joystick, game pad, satellite dish, scanner, TV tuner card, digital camera, digital video camera, web camera, and the