



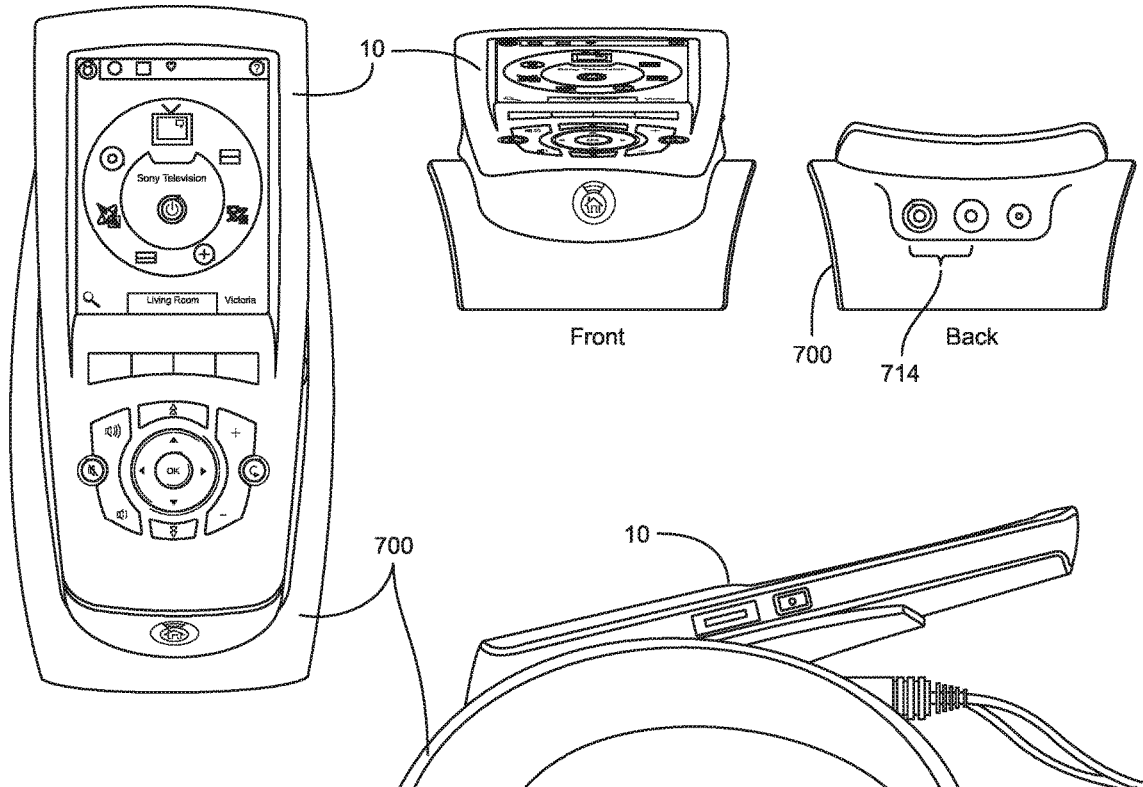
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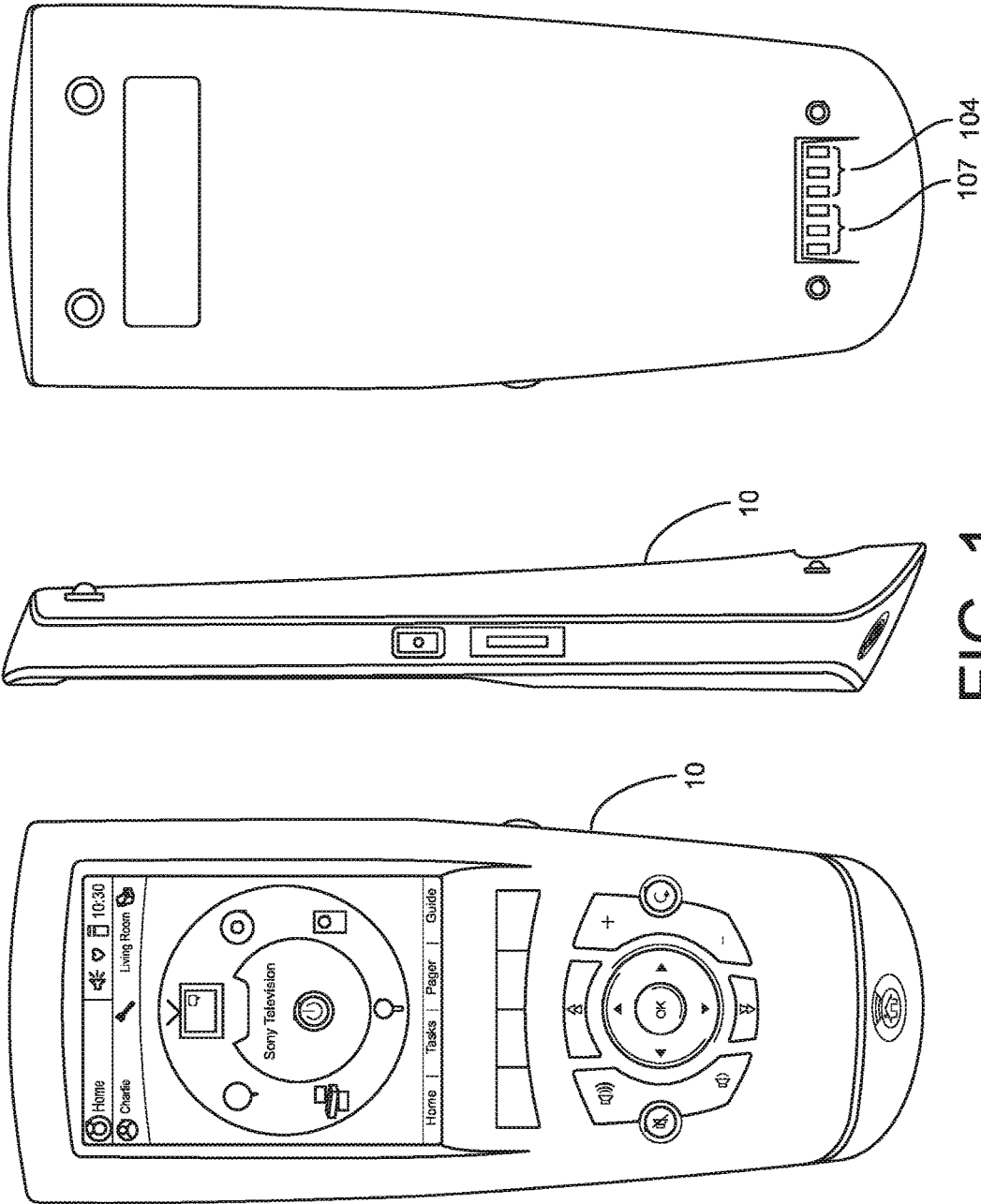
(19) **United States**(12) **Patent Application Publication**
Hilbrink et al.(10) **Pub. No.: US 2018/0158320 A1**(43) **Pub. Date: Jun. 7, 2018**(54) **SYSTEM AND METHOD FOR RETRIEVING
INFORMATION WHILE COMMANDING
OPERATION OF AN APPLIANCE**(71) Applicant: **Universal Electronics Inc.**, Santa Ana,
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Mar. 13, 2013, which is a continuation of application
No. 11/179,289, filed on Jul. 11, 2005, now Pat. No.
9,088,748.(60) Provisional application No. 60/588,523, filed on Jul.
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(2013.01); **H04N 21/4126** (2013.01); **H04N**
5/4403 (2013.01); **H04N 21/42222** (2013.01);
H04N 21/42225 (2013.01)

(57)

ABSTRACT

Media rendering system including a remote control device and associated docking station. The remote control device interfaces with a remote server to stream media content for local and/or external playback. The remote control device may interface with a docking station to playback rendered media on one or more entertainment appliances. The portable device preferably has standard remote control capability in order to enable advanced features and functions for media playback.





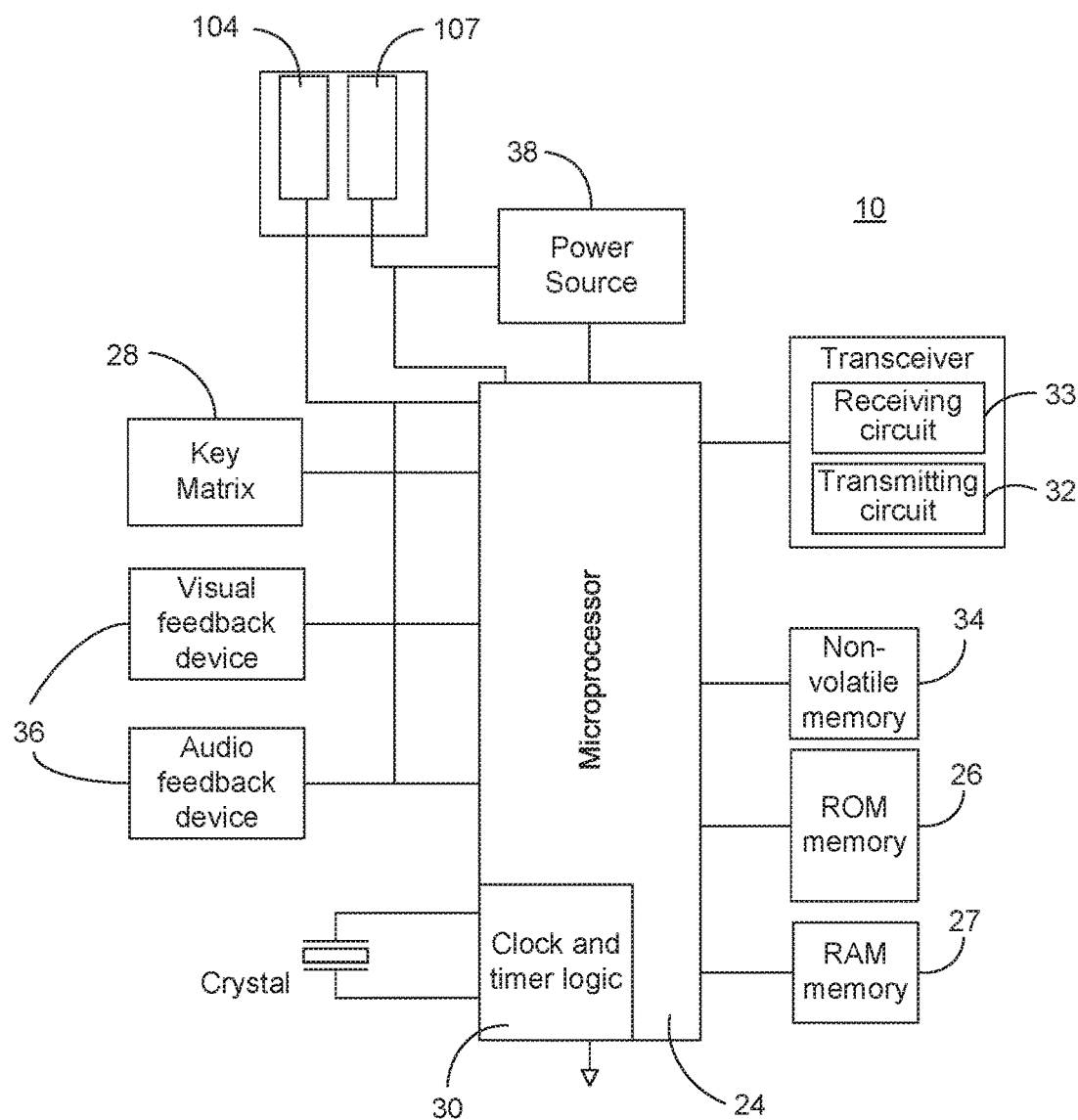


FIG. 2

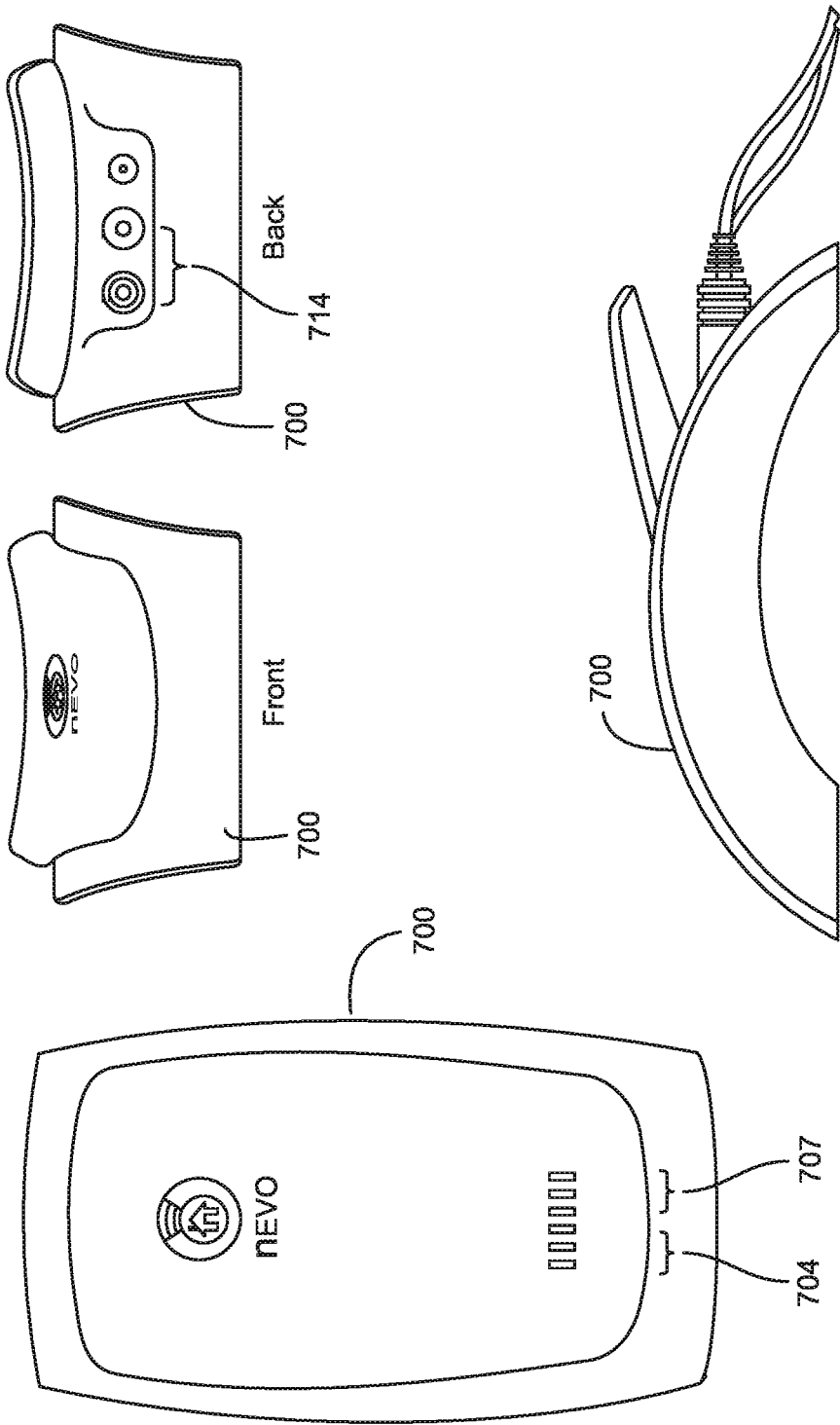


FIG. 3

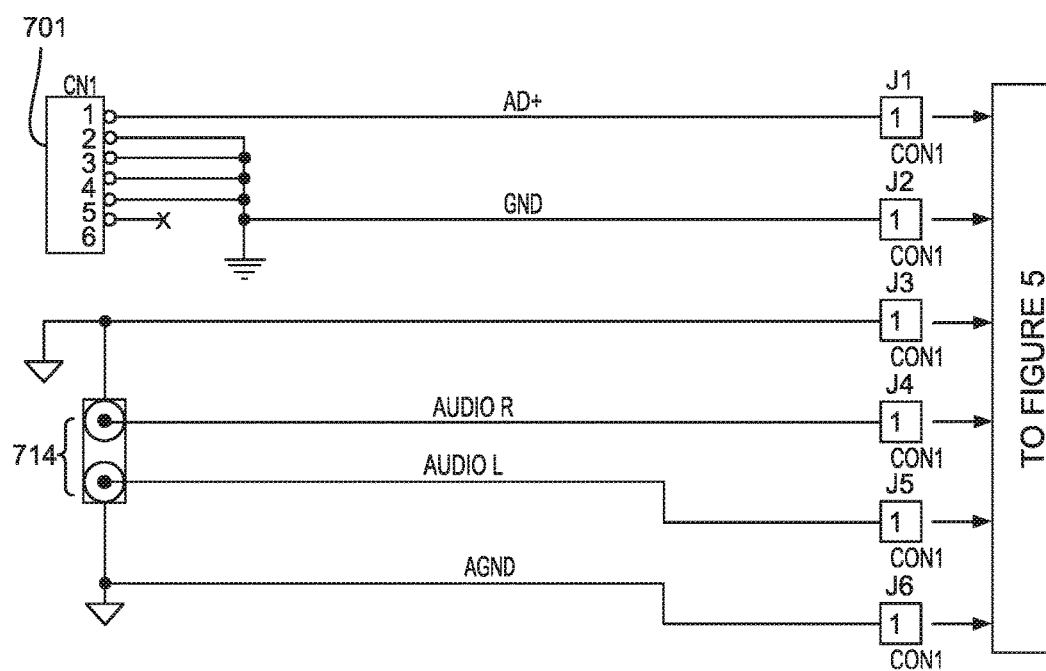
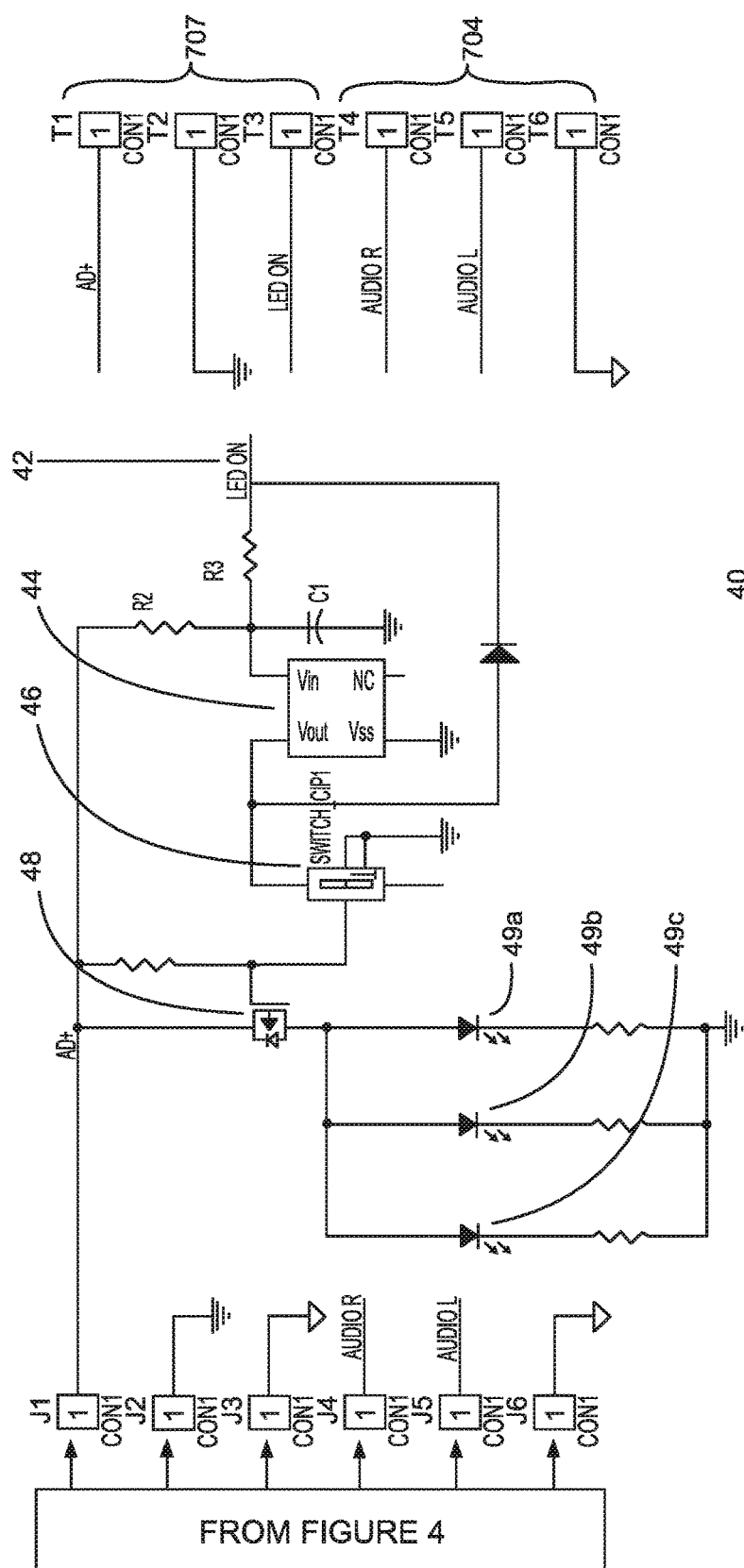


FIG. 4

[illegible]

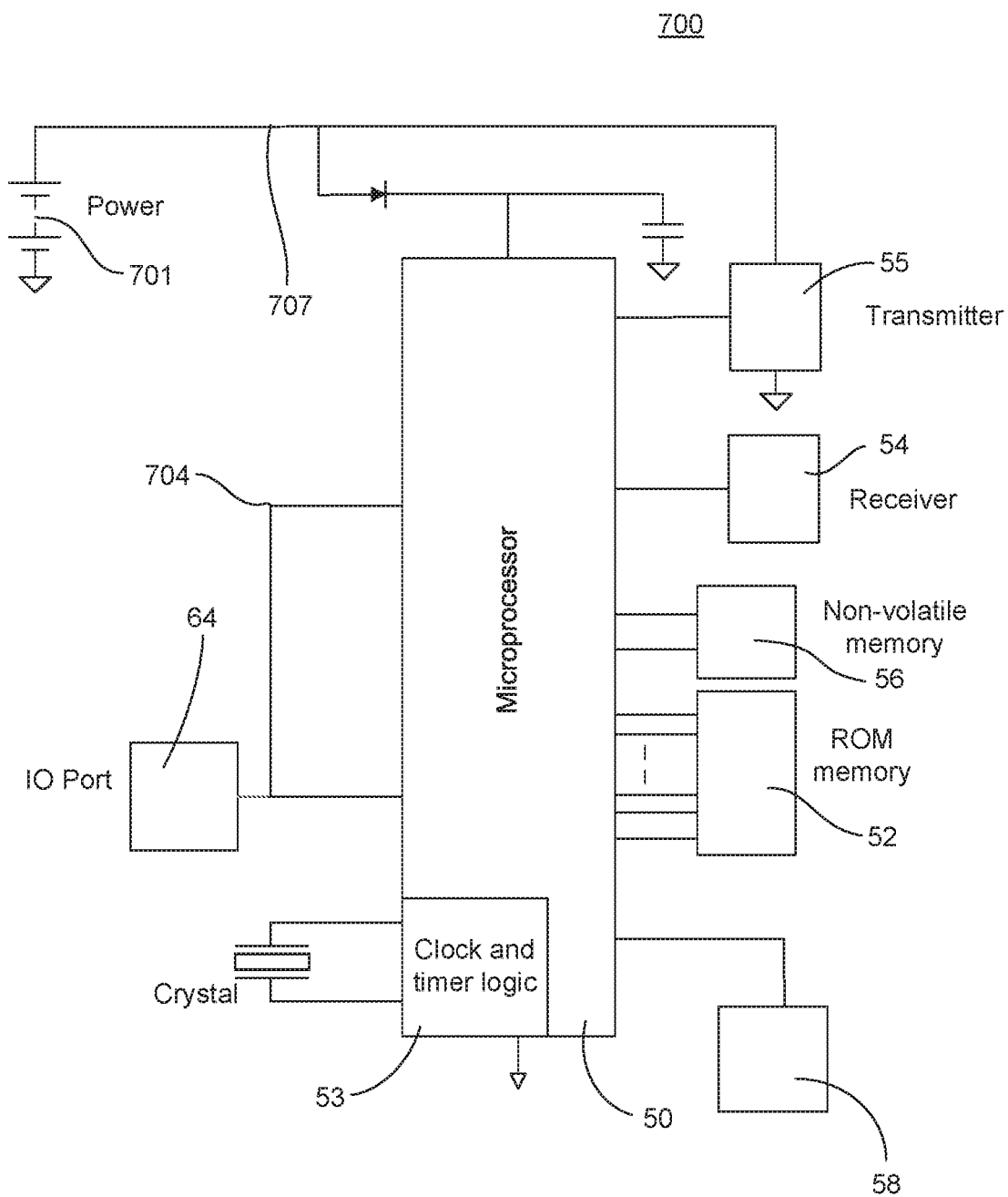


FIG. 6

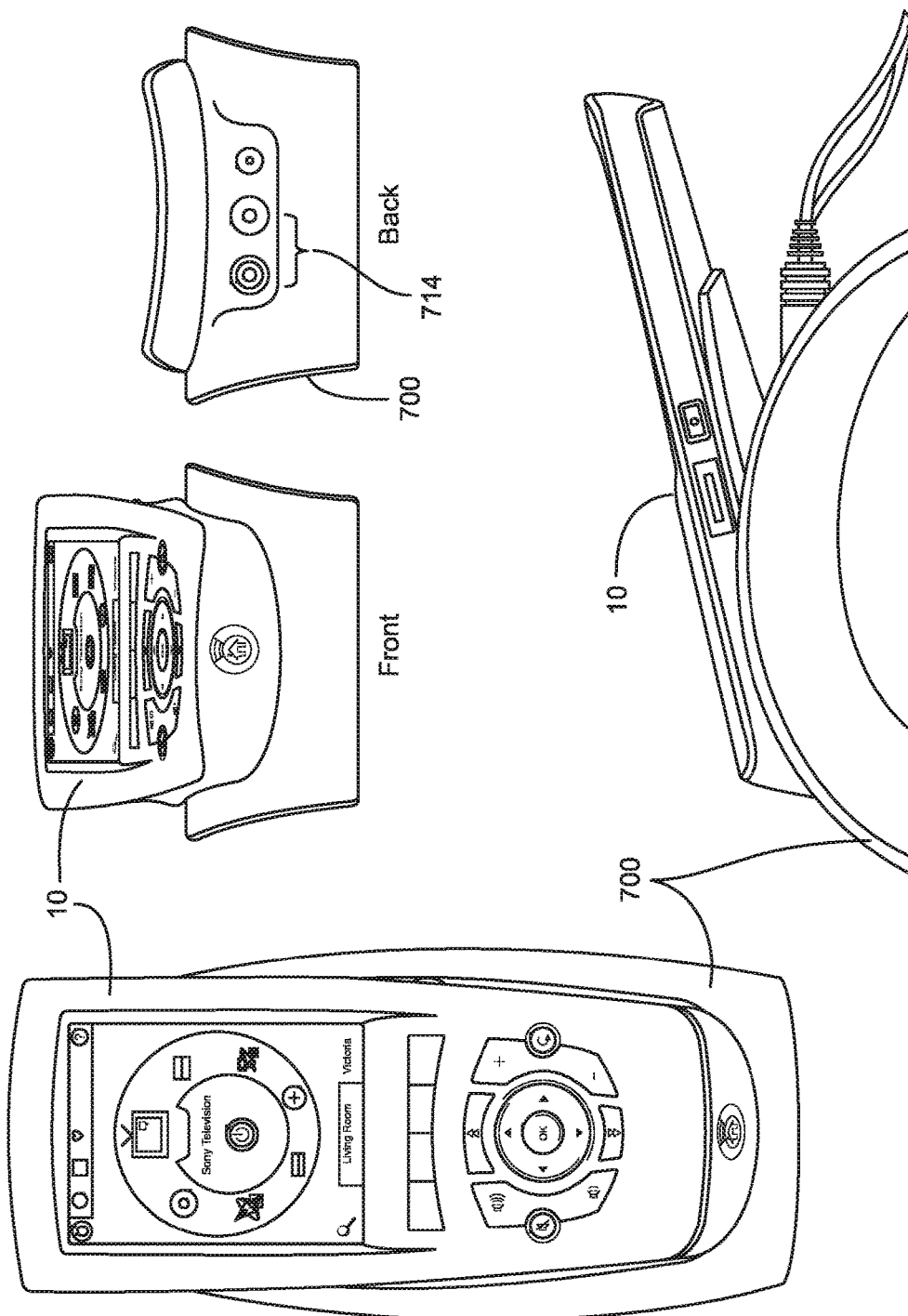


FIG. 7

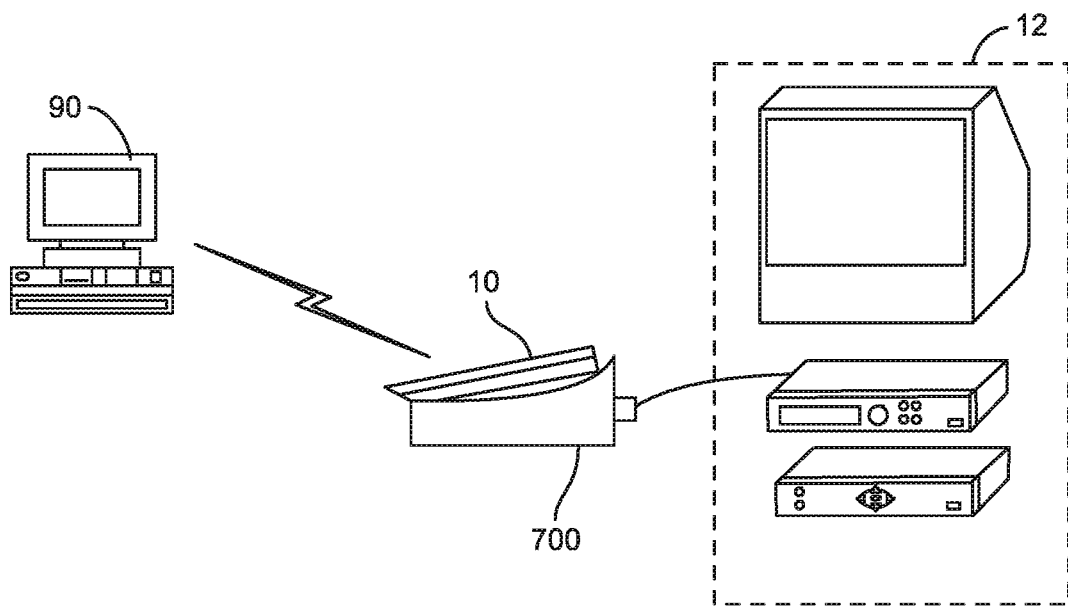


FIG. 8

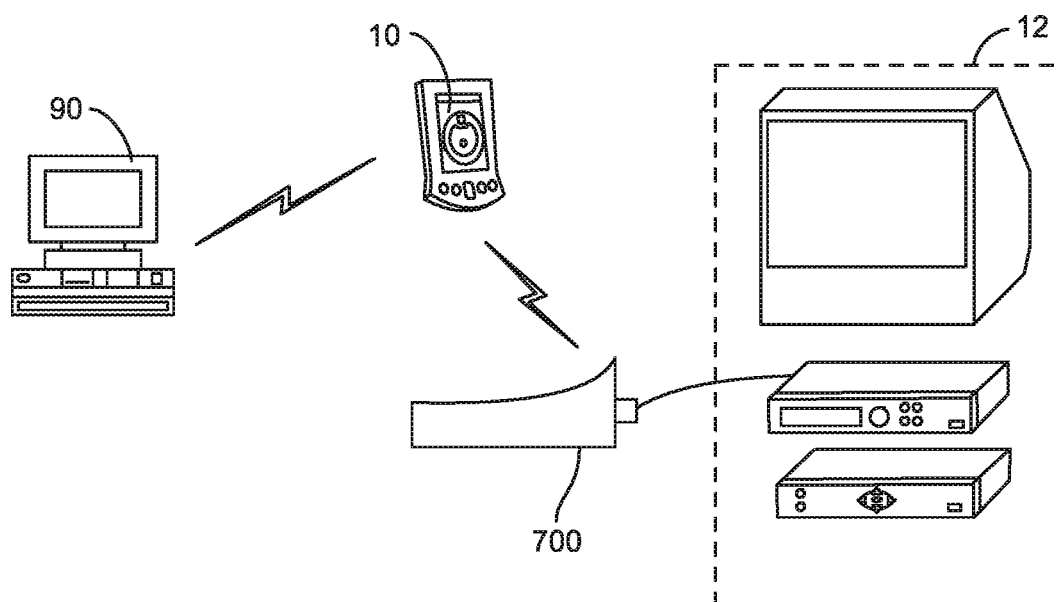


FIG. 9

SYSTEM AND METHOD FOR RETRIEVING INFORMATION WHILE COMMANDING OPERATION OF AN APPLIANCE

RELATED APPLICATION DATA

[0001] This application claims the benefit of and is a continuation of U.S. application Ser. No. 13/801,801, filed on Mar. 13, 2013, which application claims the benefit of and is a continuation of U.S. application Ser. No. 11/179,289, filed Jul. 11, 2005, which application claims the benefit of U.S. Provisional Application No. 60/588,523, filed on Jul. 16, 2004, which applications are incorporated herein by reference in their entirety.

BACKGROUND OF THE INVENTION

[0002] This invention relates generally to consumer electronics, and, more particularly, relates to media rendering devices.

[0003] Many consumers have begun storing digital media files such as photos, audio files, video files, and multimedia files on personal computers, laptops, servers, or other computing devices for playback and sharing purposes. These consumers also typically have one or more controllable playback appliances (e.g., TV, Audio Receiver, etc.) in an entertainment environment that are capable of playing traditional media sources (i.e., media information from a VCR, DVD, CD, PVR, etc.). It has become increasingly popular among consumer electronics manufacturers to create devices and systems that enable the playback of digital media files from a consumers computing device on one or more of the consumers controllable playback appliances in the entertainment environment, typically by means of streaming or sending such media content over a wired or wireless network to the appliances via a “media rendering” device which is able to convert received digital information into analog signals or other input signals required by the playback appliances. Media rendering devices can be stand-alone devices, or can be integrated into any traditional entertainment appliance (i.e., TV, Audio Receiver, VCR, DVD, CD, PVR, etc.).

[0004] Additionally, wireless control devices such as universal remote controls are widely used by consumers in conjunction with entertainment appliances for command and control purposes. It is also well known to provide a separate docking device (“docking station”) with control devices for charging of batteries. While current universal remote control devices typically lack advanced computing and media rendering capabilities, more advanced control devices have begun to emerge and to incorporate such features. For instance, the HP iPaq rx3xxx series of Pocket PC’s is able to function as a wireless control device using onboard software and wireless communication (IR and/or RF) capabilities, and also incorporates media rendering capabilities in that it can stream and playback media content from a server.

[0005] It is desirable for users of such advanced control devices to not only control the functions of entertainment appliances and make use of onboard media rendering capabilities, but also to interface with the entertainment appliances such that media streamed to the control device, or contained locally on the control device may be played on the entertainment appliances. Accordingly, it is desired to provide a system for rendering media on one or more entertainment appliances using a control device and associated

docking station which functions to both charge the control device, and provide an interface between the control device and entertainment appliance(s) for playback of media information.

SUMMARY OF THE INVENTION

[0006] In accordance with these needs and desires, a system including a control device and associated docking station is hereinafter described. Generally, an advanced control device, such as a universal remote control with integrated media rendering capabilities is described, which, in conjunction with an associated docking station, is able to play back rendered media files on a users entertainment appliance(s). As a user operates the onboard media rendering capabilities of the advanced control device, the current media content being rendered may be played back on the users entertainment appliances(s) by placing the control device in the associated docking station. Based on detection by the control device of docked or undocked states, various additional control and media playback functions may be effected.

[0007] A better understanding of the objects, advantages, features, properties and relationships of the subject system and devices will be obtained from the following detailed description and accompanying drawings which set forth illustrative embodiments which are indicative of the various ways in which the principles of the system and devices may be employed.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] For a better understanding of the invention, reference may be had to a preferred embodiment shown in the following drawings in which:

[0009] FIG. 1 illustrates a pictorial drawing of an exemplary universal remote control in which the principles of the subject invention may be embodied;

[0010] FIG. 2 illustrates a block diagram of components of an exemplary remote control;

[0011] FIG. 3 illustrates a pictorial drawing of an exemplary docking station for use in connection with the universal remote control illustrated in FIG. 1;

[0012] FIG. 4 illustrates an electrical schematic diagram of the connection points of the exemplary docking station illustrated in FIG. 3;

[0013] FIG. 5 illustrates an electrical schematic diagram of an exemplary delay circuit of the exemplary docking station;

[0014] FIG. 6 illustrates a block diagram of the components of the exemplary docking station which has integrated transceiver capabilities;

[0015] FIG. 7 illustrates a pictorial drawing of the universal remote control and docking station in a docked state;

[0016] FIG. 8 illustrates one embodiment of the media rendering system of the present invention; and

[0017] FIG. 9 illustrates an alternate embodiment of the media rendering system of the present invention.

DETAILED DESCRIPTION

[0018] With reference to the figures, a system and devices are described for use in rendering media files for playback on one or more entertainment appliances.

[0019] Generally, an advanced control device, such as a universal remote control with integrated media rendering

capabilities is described, which, in conjunction with an associated docking station, is able to play back rendered media files on a users entertainment appliance(s). As a user operates the onboard media rendering capabilities of the advanced control device, the current media content being rendered may be played back on the users entertainment appliances(s) by placing the control device in the associated docking station.

[0020] Advanced control devices as contemplated by the current invention may take a variety of forms, but in general are able to accomplish both remote control based functions (i.e., Power, Volume Up/Down, Channel Up/Down, Transport functions, etc.) via IR and/or RF communication links, and media rendering functions (i.e., Audio/video streaming and playback from a remote server). One example of such advanced control devices is the iPaq rx3xxx series of Pocket PC's by Hewlett Packard Corp. which incorporates Nevo home control software and iPaq Media Manager software (both by Universal Electronics Inc.) for remote control and media rendering functions. For further information regarding the Nevo home control software, the interested reader is referred to published pending U.S. patent applications 2003/0103088 "User Interface for a Hand Held Remote Control Device;" 2003/0193519 "System And Method For Controlling The Recording Functionality Of An Appliance Using A Program Guide;" and 2003/0048295 "System and Method for Updating Information in a Portable Electronic Device", all incorporated herein by reference in their entirety.

[0021] Generally, the docking station includes a power input for charging the control device when docked, interface connections for connecting to one or more entertainment appliances, and contact points for electrically connecting the control device to the docking station when the control device is docked.

[0022] Either or both the control device and docking station may contain software and/or hardware components for enabling the detection of docked and undocked states to enable the functions and features set forth herein.

[0023] Looking now to the figures, an exemplary remote control device **10** is shown in FIG. **1**. Integrated recharging contacts **107** and signal contacts **104** enable electrical connection and communication with docking station **700**. As will be described below in greater detail, contacts **107** and **104** interface with recharging contacts **707** and signal contacts **704** of the docking station **700**, respectively.

[0024] For use in transmitting command codes and other data to one or more of the appliances **12**, the remote control **10** may include, as needed for a particular application, a processor **24** coupled to a memory device (such as ROM memory **26**, RAM memory **27**, and/or a non-volatile memory **34**), a key matrix **28** (e.g., physical buttons, a touch screen display, or a combination thereof), an internal clock and timer **30**, transmission circuit(s) **32**, receiver circuit(s) **33** and/or transceiver circuit(s) (e.g., IR and/or RF), a means **36** to provide feedback to the user (e.g., LED, display, speaker, and/or the like), and a power supply **38** as generally illustrated in FIG. **2**. As will be understood by those of skill in the art, the memory device may include executable instructions that are intended to be executed by the processor **24** to control the operation of the remote control **10**. In this manner, the processor **24** may be programmed to control the various electronic components within the remote control **10**, e.g., to monitor the power supply **38** and the recharging status thereof, to cause the transmission of signals, etc.

[0025] The non-volatile read/write memory **34**, for example an EEPROM, battery-backed up RAM, Smart Card, memory stick, or the like, may be provided to store setup data and parameters as necessary. While the memory system is described as comprising all three classes of memory, it will be appreciated that, in general, such a memory system need not necessarily support all three, and can be comprised of any type of computer-readable media, such as ROM, RAM, SRAM, FLASH, EEPROM, Smart Card, memory stick, a chip, a hard disk, a magnetic disk, and/or an optical disk or the like in combination. Preferably, however, at least part of the memory system should be non-volatile or battery backed such that basic setup parameters and operating features will survive loss of battery power. Still further, it will be appreciated that some or all of the illustrated memory devices **26**, **27**, and **34** may be physically incorporated within the same IC chip as the microprocessor **24** (a so called "microcontroller") and, as such, they are shown separately in FIG. **2** only for the sake of clarity. For accomplishing media rendering operations of the current invention, the memory devices of the remote control may be configured with programming and instructions to receiving incoming media streams from receiving circuit **33**, to convert those streams to media data which is able to be played by one or more playback applications of remote control **10** via the display, speaker(s), or other feedback mechanism.

[0026] To identify home appliances by type and make (and sometimes model) such that the remote control device **10** is adapted to transmit recognizable command codes in the format appropriate for such identified appliances **12**, data may be entered into the universal remote control device **10**. Since methods for setting up a remote control to control the operation of specific home appliances are well-known, such methods need not be described in greater detail herein. Nevertheless, for additional information pertaining to remote control setup, the reader may turn to U.S. Pat. Nos. 4,959,810, 5,614,906, and 6,225,938 or previously referenced published application U.S. 2003/0103088. It will also be appreciated that the remote control **10** may be set up to control an appliance **12** by being taught the command codes needed to control such appliance as described in U.S. Pat. No. 4,623,887.

[0027] To cause the remote control **10** to perform an action, the remote control **10** is adapted to be responsive to events, such as a sensed user interaction with the key matrix **28**, receipt of a transmission, etc. In response to an event, appropriate instructions within the memory **26** may be executed. For example, when a command key is activated on the remote control **10**, the remote control **10** may retrieve a command code corresponding to the activated command key from memory **26** and transmit the command code to a device in a format recognizable by the device. It will be appreciated that the instructions within the memory **26** can be used not only to cause the transmission of command codes and/or data to the appliances **12** but also to perform local operations, i.e., responding to a dock or undock event such that media playback on remote control **10** is appropriately initiated, rerouted, or converted, as described in greater detail below. While not limiting, other local operations that may be performed by the remote control **10** include displaying information/data, favorite channel setup, macro button setup, function key relocation, remote location sensing, etc. Examples of local operations can be found in U.S. Pat. Nos.

5,481,256, 5,959,751, and 6,014,092. Additional examples of remote controls **10** may be found in commonly owned, U.S. Pat. No. 6,225,938 and U.S. Application Ser. Nos. 60/264,767, 09/905,423, 09/905,432, and 09/905,396.

[0028] Also included in the docking station **700** is exemplary delay circuit **40** shown in FIG. 5 providing circuitry for powering on one or more LED's **49a**, **49b**, **49c** to indicate to a user that the remote control **10** has detected that it is properly docked in docking station **700**. In general, such docking circuitry and associated monitoring programming for enabling so called "hot" docking operations (i.e., electrically connecting a portable device to a power source such as a dock while the portable device is powered on) is well known in the art and the functions and features of thereof will be understood and appreciated by those skilled in the art. In particular, with reference to delay circuit **40**, when remote control **10** detects that it has been successfully docked, its power monitoring programming may enable the "LED ON" signal **42** via recharging contacts **107**, **707**, causing timer IC **44** to enable transistor **48**, thereby illuminating charging base LEDs **49a**, **49b**, **49c** for a predetermined period of time. Switch **46** is provided to allow the user to disable this feature if desired.

[0029] FIG. 3 shows exemplary docking station **700** which is able to provide power and/or a communication interface to remote control **10**. To this end and as described above, the remote control may include recharging contacts **107** and signal contacts **104**. The contacts **107** and **104** are provided to electrically couple with corresponding contacts **707** and **704** in the charging base **700**. The exemplary docking station **700** depicted in FIG. 3 may therefore comprise a power input **701** for attachment to, for example, stepped-down power originating from an adapter (not shown) plugged into a household electrical socket. Input **701** is connected to contacts **707**. In one embodiment as shown in FIG. 4, the signal contacts **704** which interface with signal contacts **104** on remote control **10** connect to output interface **714** and ground **716**. Output interface **714** depicted in FIGS. 3 and 4 is a standard left/right RCA audio output connection which can easily be connected with an audio receiver or other audio playback appliance. It will be understood that output interface **714** could be any connection type, including but not limited to RCA, Optical TOS, S-Video, Component Video, DVI, Coaxial, HDMI, etc. Additionally, circuitry and other signal conversion means may be implemented with docking station **700** to enable the output of a wide variety of signals, digital or analog, from docking station **700** without departing from the spirit and scope of the current invention.

[0030] Optionally, as illustrated in FIG. 6, docking station **700** may be configured with additional components to enable enhanced capabilities in conjunction with remote control **10**, such as wireless media transmission and reception, addressability for location based functions, and advanced command and control functions. As such, docking station **700** may include, as needed for a particular application, a processor **50** coupled to a ROM memory **52**, an internal clock and timer **53**, receiver circuit(s) **54**, transmission circuit(s) **55** and/or transceiver circuit(s) (e.g., IR and/or RF), a non-volatile read/write memory **56**, a means **58** to provide feedback to the user (e.g., LED, display, speaker, and/or the like), a power supply **701**, and input means **64**, (e.g., serial I/O port, Ethernet, 1394 firewire, wireless receiver, bar code scanner, etc.), recharging contacts **707** and signal contacts **704**, as is generally illustrated in FIG. 6. The

input means **64** may be used to connect the docking station **700** to a common home control unit (such as a server, HVAC controller, etc.) in order to enable communication and timing operations between several other docking stations, media servers, and/or appliances. The ROM memory **52** includes executable instructions that are intended to be executed by the processor **50** to control the operation of the docking station **700**. In this manner, the processor **50** may be programmed to control the various electronic components within the docking station **700**, e.g., to monitor the power supply **701** and contacts **707** and **704**, to cause the transmission of signals, to provide audio or visual prompts to a user, etc. The non-volatile read/write memory **56**, for example an EEPROM, battery-backed up RAM, Smart Card, memory stick, or the like, is provided to store setup data and parameters as necessary. While the memory **52** is illustrated and described as a ROM memory, memory **52** can also be comprised of any type of readable media, such as ROM, RAM, SRAM, FLASH, EEPROM, or the like. Preferably, at least part of the memory **56** is non-volatile or battery-backed such that data is not required to be reloaded after power is removed from central state server **14**. In addition, the memories **52** and **56** may take the form of a chip, a hard disk, a magnetic disk, and/or an optical disk. It will also be appreciated that in cases where docking station capability is integrated into an appliance, some or all of the functional elements described above in conjunction with FIG. 6 may be combined with similar elements already present in the appliance for other purposes.

[0031] For transmitting and receiving information between remote control **10** and docking station **700** when remote control **10** is not in a docked state (as shown in FIG. 9), communication may be performed using an IR protocol such as XMP (described in co-pending U.S. patent application Ser. No. 10/431,930) an RF protocol such as Bluetooth or 802.11, X-10 commands, SCP, IP, UPnP, HAVi, or any other suitable wireless and/or wired transmission methods. All that is required is that the remote control **10** and docking station **700** be able to communicate data in at least a unidirectional fashion from the remote control **10** to the docking station **700** in order to enable the system of the current invention. It will be appreciated that due to the wide variety of communication methods and protocols that may be required to adequately communicate information to and/or from the docking station, the ability of the remote control and/or docking station to dynamically transmit and receive a greater number of protocols will enable compatibility for media rendering and streaming operations with a greater number of media types and formats. It will additionally be appreciated that programming on the remote control and/or docking station may be used for making determinations as to which communication methods and protocols may be used for a given media format to most effectively bring about desired media rendering operations, as described in greater detail below.

[0032] FIGS. 8 and 9 illustrates two configurations for interfacing the remote control **10** with a docking station **700** for purposes of rendering media (generally stored or accessible from server **90**) on associated entertainment appliance (s) **12**. Configuration 1 shown in FIG. 8 is representative of the above-described system configuration where the remote control **10** interfaces with the docking station **700** only via a physical connection (signal contacts **104** and **704**). Configuration 2 shown in FIG. 9 is representative of a wireless

interface where the data is able to be sent through the transmitting circuit 32 of the remote control 10, to the receiver 54 of docking station 700. It will be understood that server 90 may be any remote computing device, from which media files may be made accessible to remote control 10 for streaming and/or media rendering purposes as contemplated by the present invention.

[0033] In keeping with the subject system and method, the remote control 10 and/or docking station 700 preferably include programming such that docking states may be readily ascertained in order to appropriated manipulate media streams being rendered or played back via the remote control 10. For example, when docking station 700 is configured without wireless communication means as shown in FIG. 4 and is essentially a signal pass through for remote control 10, programming on remote control 10 may be configured to play rendered media from onboard display or speaker elements (local playback mode) when in an undocked state, and upon initiation of a dock event, to reroute the currently playing media information from the onboard display or speaker elements to the signal contacts 104 for playback on the users entertainment appliance(s) (external playback mode) connected to connection interface 714 of the docking station. In this way a user may easily switch between the local playback mode and external playback mode by simply docking and undocking the remote control as desired. Additionally, programming on the remote control 10 may implement command and control events for the entertainment appliance(s) on which media information is to be played in response to detection of dock and undock states. For example, in order that an audio file being played back locally on the remote control 10 begins playing externally on the users desired audio receiver connected to the docking station when a dock event occurs without further intervention by the user, the remote control may be programmed to power on the audio receiver and select the correct input mode upon detection of a dock event. Likewise, in addition to switching back to a local playback mode, the remote control may be programmed to power down or otherwise modify the functional states of an entertainment appliance upon detection of an undock event. In this context, a contemplated embodiment of the docking station may include additional contacts used to convey an address value to the remote control placed into it. In this manner multiple docking stations may be provided for different rooms, each with a unique address, and the remote control may be adapted to automatically configure its command formats and sequences to match the equipment in the room in which it is currently docked. In any case, it will be understood that any number of functions and/or actions may be implemented on the remote control in response to detection of dock and undock events.

[0034] For systems in which the docking station includes wireless and/or other functional capabilities as generally described in connection with FIG. 6 above, additional features and functions may be accomplished. For example, as shown generally in FIG. 9, a wireless capable docking station may be configured to receive media information from remote control 10 wirelessly before output to entertainment appliances 12. In this way media being rendered on remote control 10 could be sent to docking station 700 when docked or undocked. Programming on remote control 10 may present a user with on screen selection buttons to select whether a user desires local or external playback modes. Addition-

ally, it may be desirable to implement multiple docking stations in cases where a user has more than one entertainment environment on which rendered media is desired to be played back. Each docking station may be assigned, either at the time of manufacture or by a user, an address sufficient to uniquely identify the dock from among other docks used in conjunction with the remote control. The address information may be read or received by the remote control upon a docking event with a given docking station, or may be sent wirelessly by the docking station in response to a request by the remote control or as part of an automated process in the docking station. Programming on the remote control may use the address information from the docking station to accomplish location based functions (such as those described more fully in co-pending application 60/517,558 entitled "System and Method for Controlling Device Location Determination") or other advanced command and control functions. Additionally, dock and undock events detected by the remote control may be used to initial save and recall state operation, such as those described more fully in co-pending application 60/517,737 entitled "System and Method for Saving and Recalling State Data for Media and Home Appliances." It is also contemplated that docking station 700 may including onboard IR receiver capabilities and associated programming to enable command and state monitoring functions, such as those described more fully in co-pending application Ser. No. 10/665,650 entitled "System and Method for Monitoring Remote Control Transmissions," and Ser. No. 10/603,839 entitled "System and Method for Monitoring Remote Control Transmissions."

[0035] The system and devices of the present invention has been described above in terms of functional modules in block diagram format. It is understood that unless otherwise stated to the contrary herein, one or more functions and features may be integrated in a single physical device or a software module in a software product, or one or more functions may be implemented in separate physical devices or software modules, without departing from the scope and spirit of the present invention. For instance, it will be understood and appreciated by those skilled in the art that the remote control 10 of the present invention may be any portable control device (including but not limited to IR and/or RF based remotes, portable phones, wireless capable PDAs, etc.) capable of rendering media data and sending command codes remotely to appliances 12. Likewise, the docking station 700 of the present invention may be any device that is able to interface with remote control 10 in order to recharge and communicate data. Still further, it will be appreciated that the docking station 700 may be configured (using any of the configuration methods discussed above) to thereby adapt the docking station 700 to communicate commands to one of more appliances, e.g., the docking station 700 may have a library of commands, may be adapted to learn commands, etc. It will also be understood that in this case the remote control 10, for example, may communicate "generic" commands to the docking station 700, i.e., commands not having an appliance specific format or protocol, which "generic" commands may then translated by the docking station 700 to commands which are formatted appropriately for an intended target appliance for communication by the docking station 700 to the same.

[0036] All patents cited within this document are hereby incorporated by reference in their entirety.

[0037] It is appreciated that detailed discussion of the actual implementation of each module is not necessary for an enabling understanding of the invention. The actual implementation is well within the routine skill of a programmer and system engineer, given the disclosure herein of the system attributes, functionality, and inter-relationship of the various functional modules in the system. A person skilled in the art, applying ordinary skill can practice the present invention without undue experimentation.

[0038] While various concepts have been described in detail, it will be appreciated by those skilled in the art that various modifications and alternatives to those concepts could be developed in light of the overall teachings of the disclosure. As such, the particular concepts disclosed are meant to be illustrative only and not limiting as to the scope of the invention which is to be given the full breadth of the appended claims and any equivalents thereof.

1. (canceled)

2. A method for causing an appliance to be placed into an operating state appropriate for a rendering of a media stream by the appliance, comprising:

receiving at a device a communication that functions to indicate to the device that the device is to be used for media rendering purposes with the appliance; and

in response to the device receiving the communication that functions to indicate to the device that the device is to be used for media rendering purposes with the appliance causing the device to automatically transmit at least one command to the appliance wherein the at least one command will cause the appliance to be entered into the operating state appropriate for the rendering of the media stream by the appliance and wherein the operating state appropriate for the rendering of the received media stream by the appliance comprises an input mode operating state of the appliance which allows the media stream, as received by the device, to be communicated to the appliance for rendering by the appliance.

3. The method as recited in claim 2, wherein the operating state appropriate for the rendering of the received media stream by the appliance further comprises a powered on operating state of the appliance.

4. The method as recited in claim 2, wherein the at least one command is communicated to the appliance via use of a wireless communications protocol.

5. The method as recited in claim 2, wherein the wireless communications protocol comprises a radio frequency protocol.

6. The method as recited in claim 2, wherein the communication that functions to indicate to the device that the

device is to be used for media rendering purposes with the appliance comprises a communication received from a remote control device in communication with the device.

7. The method as recited in claim 2, wherein the appliance comprises a television.

8. The method as recited in claim 2, wherein the media stream is wirelessly received by the device from a remote server device.

9. A device adapted to causing an appliance to be placed into an operating state appropriate for a rendering of a media stream by the appliance, comprising:

an output port for communicating a received media stream to an input port of the appliance;

a processor; and

a memory having stored thereon instructions which, when executed by the processor, causes the device to respond to a communication that functions to indicate to the device that the device is to be used for media rendering purposes with the appliance by automatically transmitting at least one command to the appliance wherein the at least one command will cause the appliance to be entered into the operating state appropriate for the rendering of the media stream by the appliance and wherein the operating state appropriate for the rendering of the received media stream by the appliance comprises an input mode operating state of the appliance which allows the media stream, as received by the device, to be communicated to the appliance for rendering by the appliance.

10. The device as recited in claim 9, wherein the operating state appropriate for the rendering of the received media stream by the appliance further comprises a powered on operating state of the appliance.

11. The device as recited in claim 9, wherein the at least one command is communicated to the appliance via use of a wireless communications protocol.

12. The device as recited in claim 9, wherein the wireless communications protocol comprises a radio frequency protocol.

13. The device as recited in claim 9, wherein the communication that functions to indicate to the device that the device is to be used for media rendering purposes with the appliance comprises a communication received from a remote control device in communication with the device.

14. The device as recited in claim 9, wherein the appliance comprises a television.

15. The device as recited in claim 9, wherein the media stream is wirelessly received by the device from a remote server device.

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