US 20210409805A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2021/0409805 A1**

Porter (43) **Pub. Date: Dec. 30, 2021**

(54) **HIGH CAPACITY CD-ROM AND DVD PLAYER SYSTEM**

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(21) Appl. No.: **16/873,757**

(22) Filed: **Jun. 26, 2020**

Publication Classification

(51) **Int. Cl.**

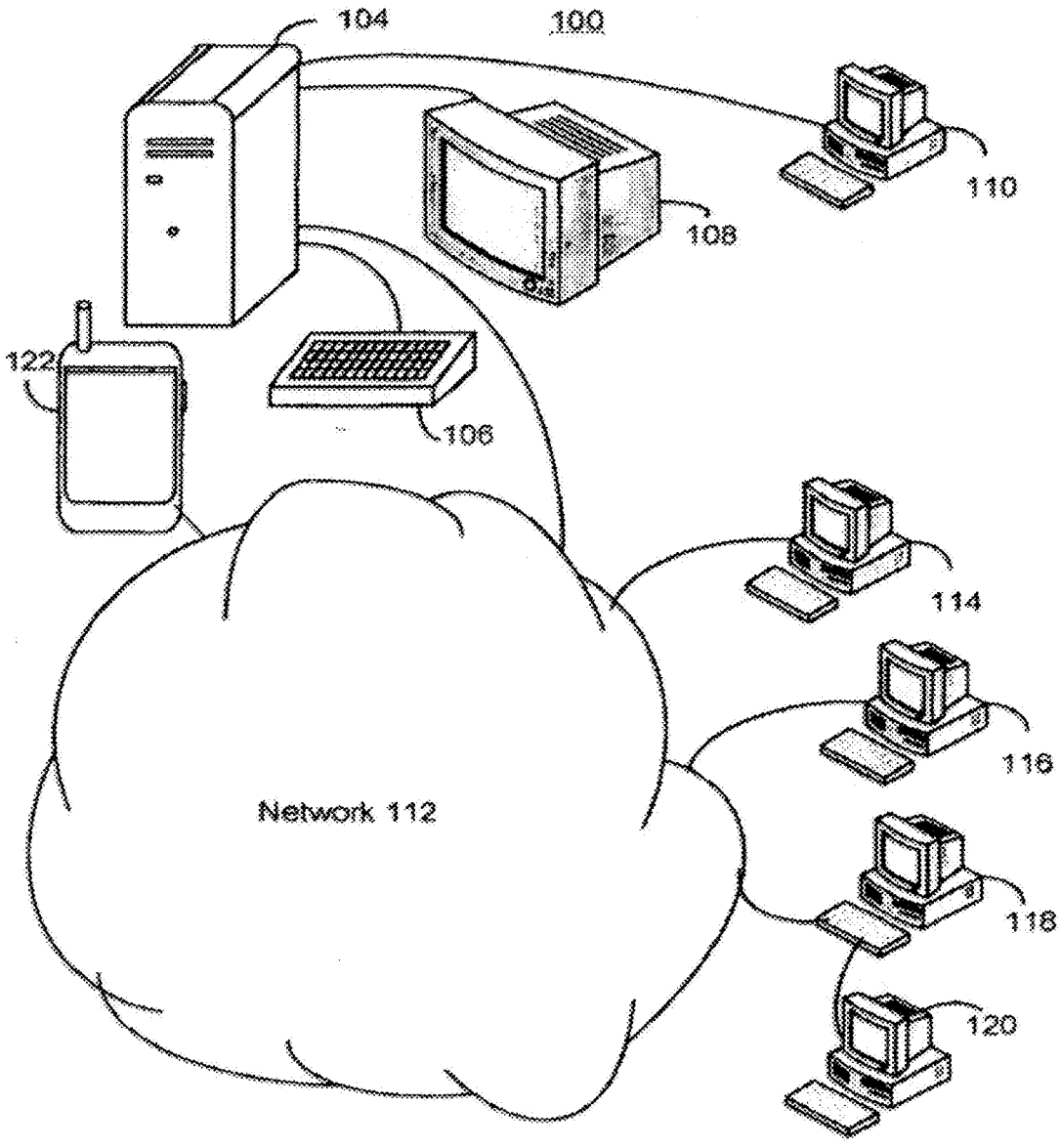
H04N 21/426	(2006.01)
H04N 21/41	(2006.01)
H04N 21/462	(2006.01)

(52) **U.S. Cl.**

CPC ... ***H04N 21/42646*** (2013.01); ***H04N 21/4622*** (2013.01); ***H04N 21/41265*** (2020.08)

(57) **ABSTRACT**

A high capacity CD-ROM and DVD player system that stores and controls a plurality of CD-ROMs and DVDs without having to eject the CD-ROMs and DVDs. The high capacity CD-ROM and DVD player system includes a server system, a memory system, and a high capacity CD-ROM and DVD player. The housing includes a display, a pair of transparent windows, an on/off button, and a time display. The high capacity CD-ROM and DVD player system includes a corresponding method for playing a plurality of DVDs and CDs with a high capacity CD-ROM and DVD player system and a non-transitory computer storage media having instructions stored thereon which, when executed, execute the overall method.



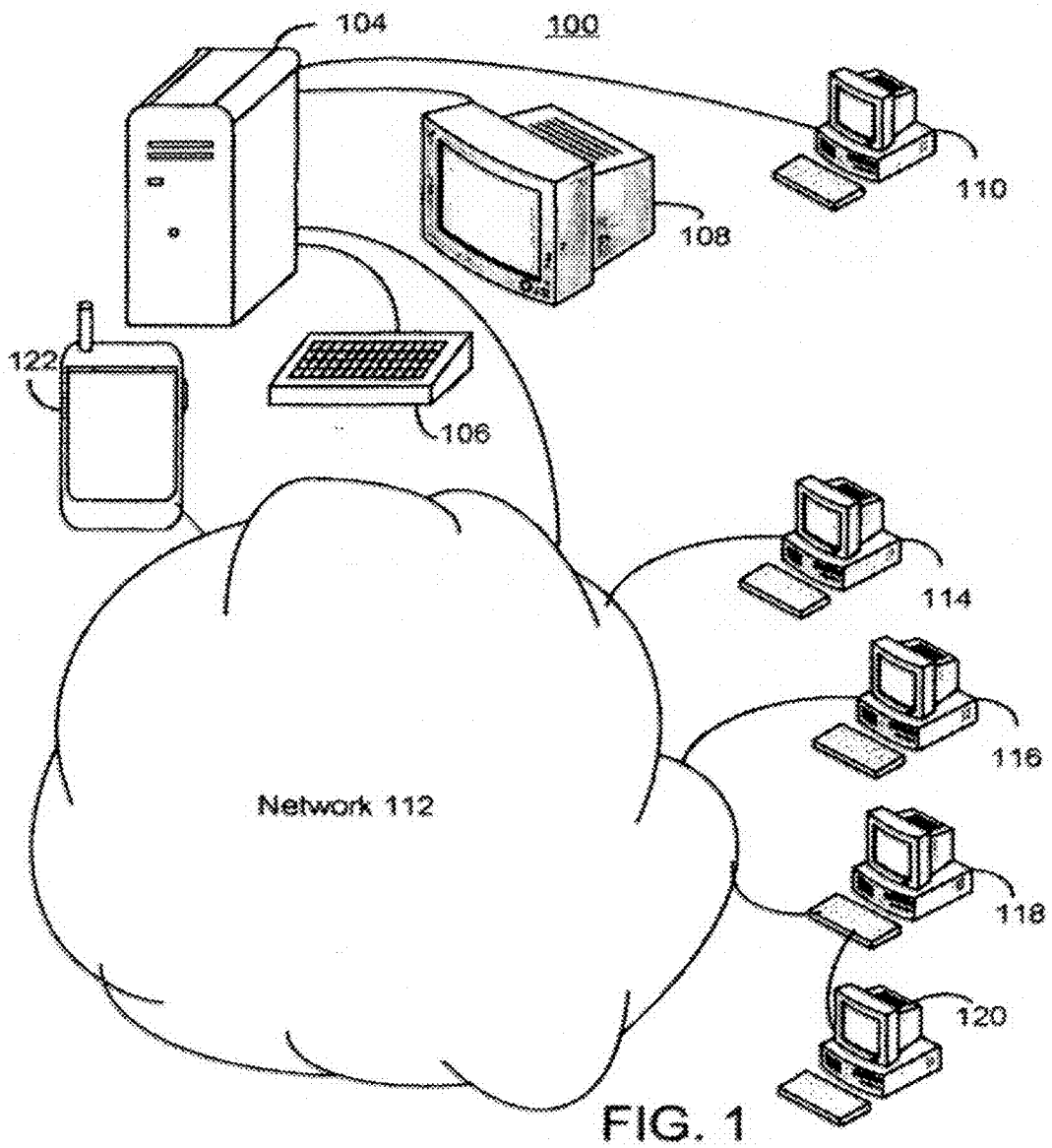


FIG. 1

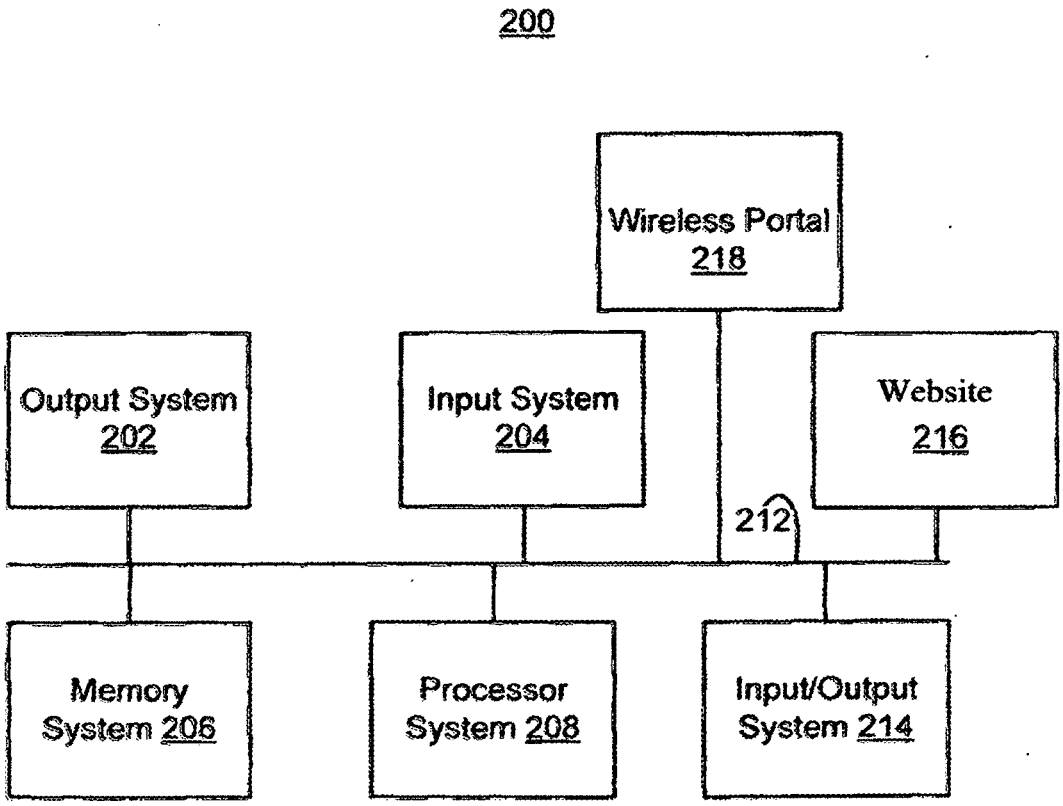

200
Wireless Portal
218
Output System
202
Input System
204
Website
216
212
Memory
System 206
Processor
System 208
Input/Output
System 214

FIG. 2A

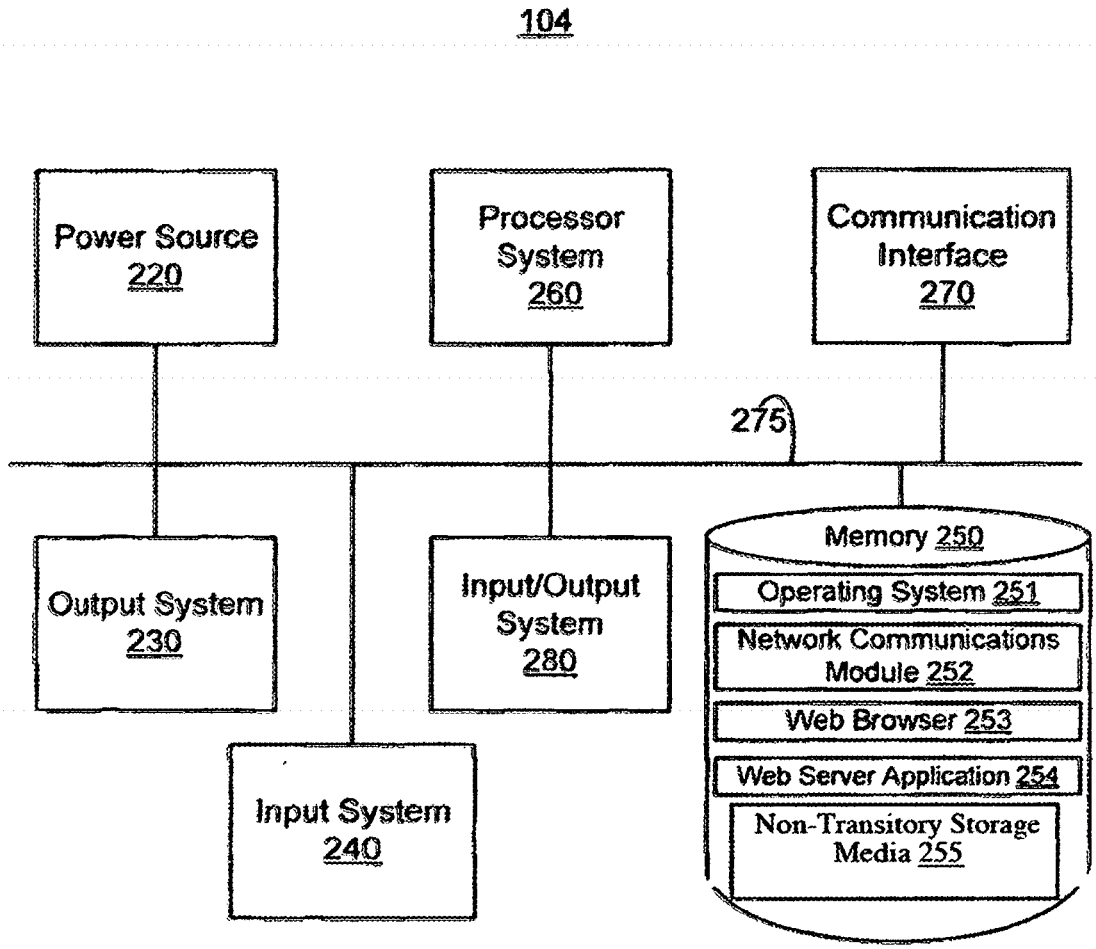

104
Power Source 220
Processor System 260
Communication Interface 270
275
Output System 230
Input/Output System 280
Input System 240
Memory 250
Operating System 251
Network Communications Module 252
Web Browser 253
Web Server Application 254
Non-Transitory Storage Media 255

FIG. 2B

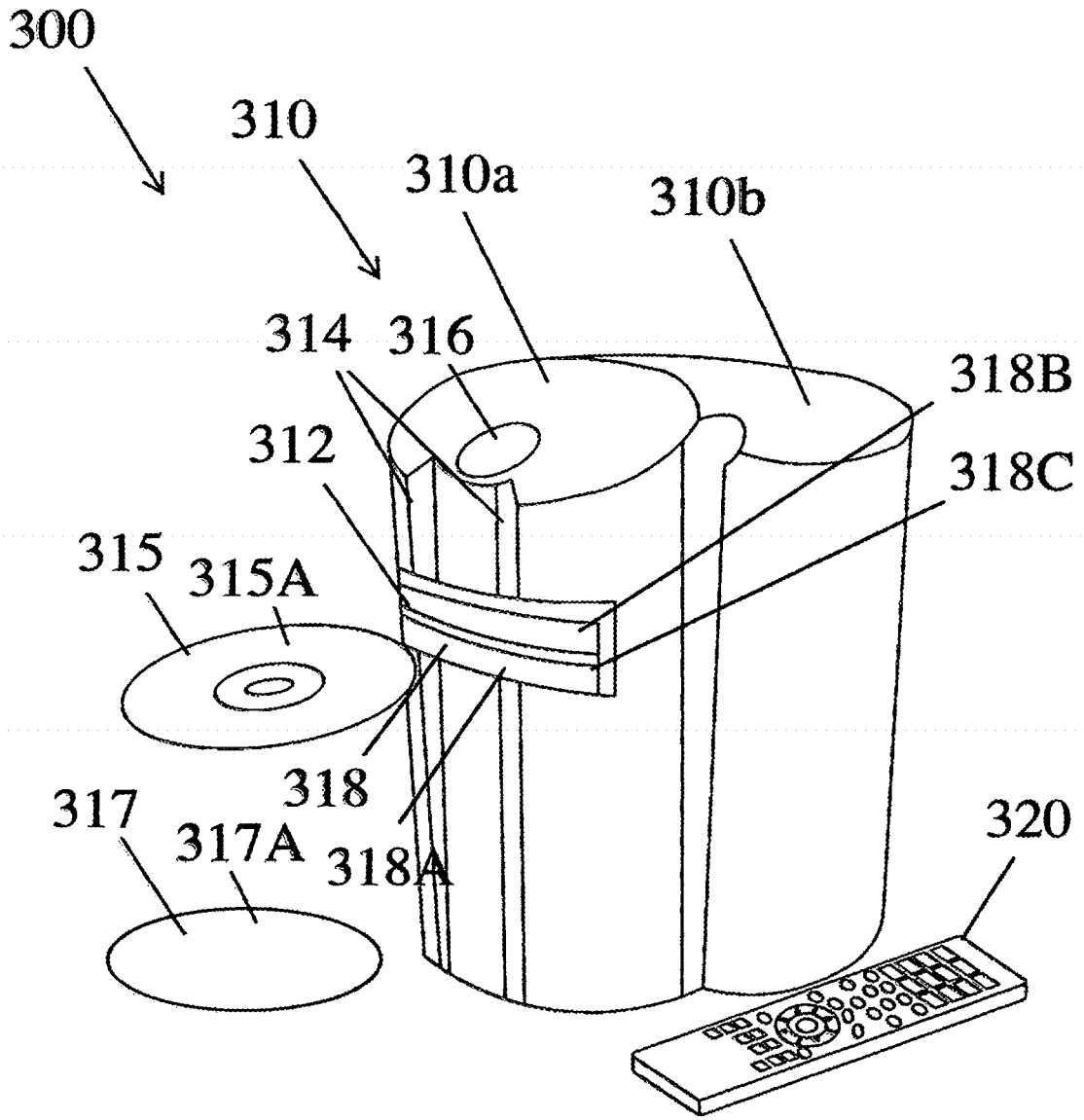

300
310
310a
310b
314
316
318B
312
318C
315
315A
318
317
317A
318A
320

FIG. 3

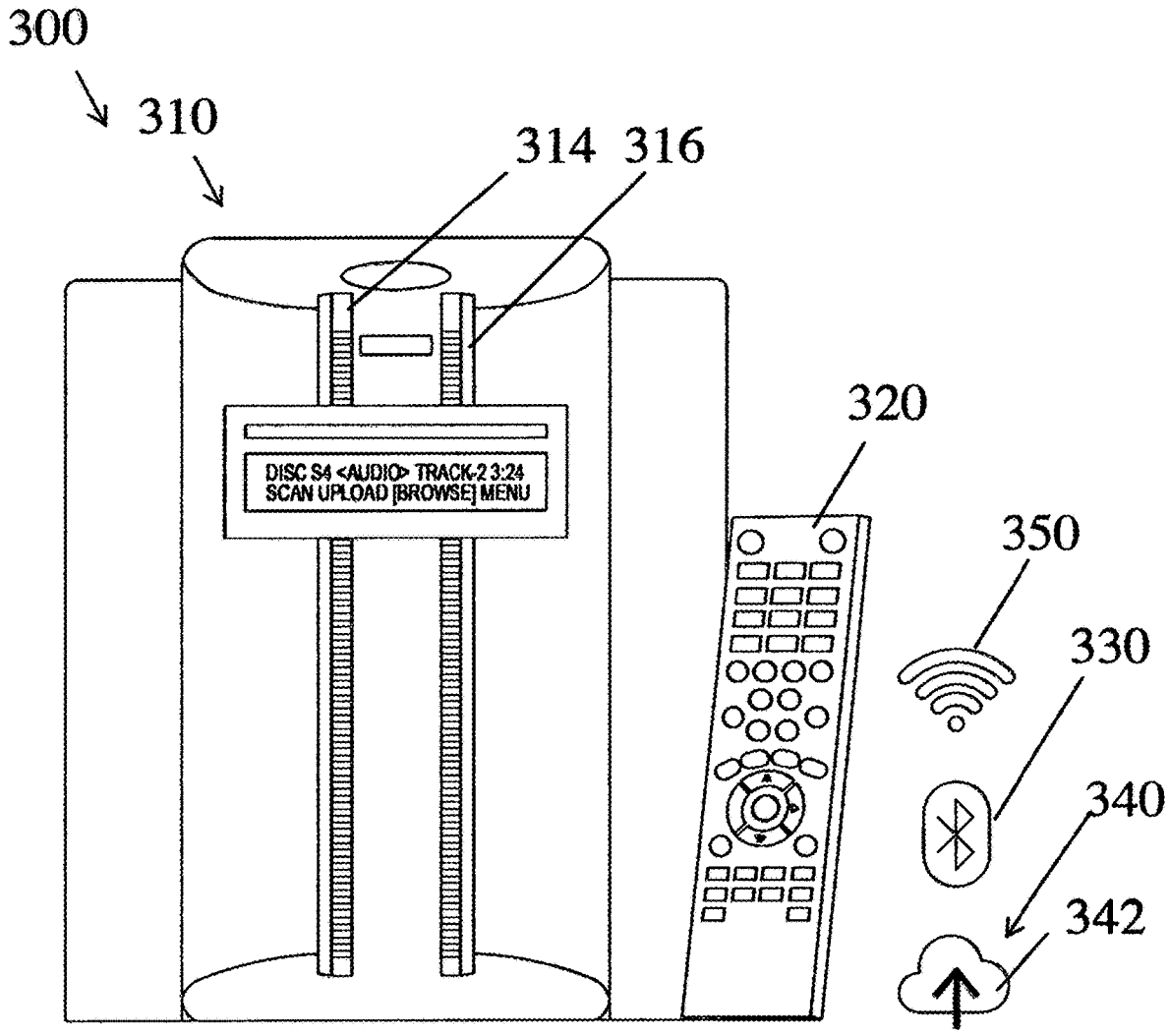

300
310
314
316
320
DISC S4 <AUDIO> TRACK-2 3:24
SCAN UPLOAD [BROWSE] MENU
350
330
340
342

FIG. 4

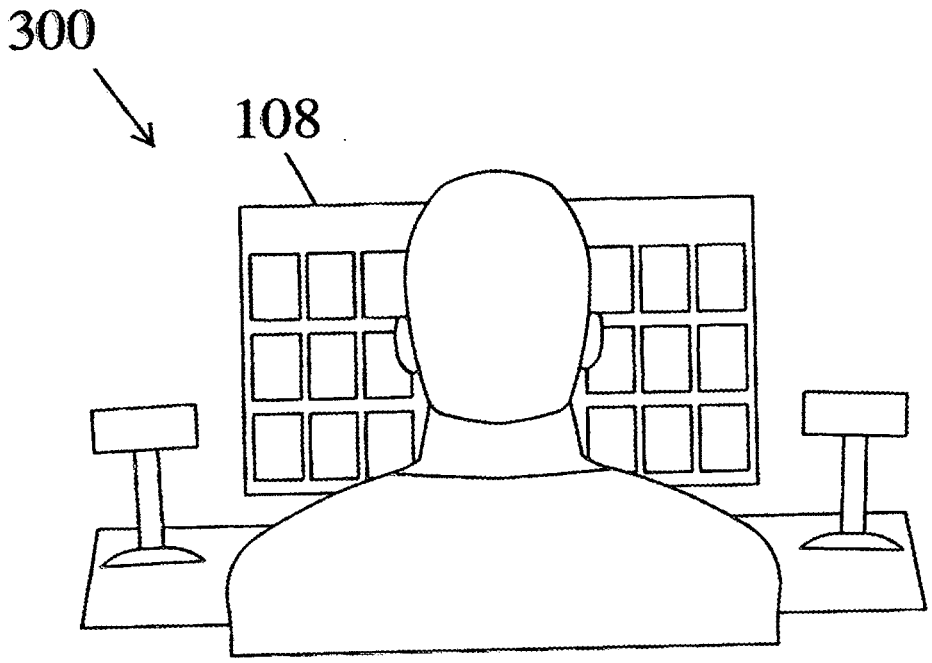


FIG. 5

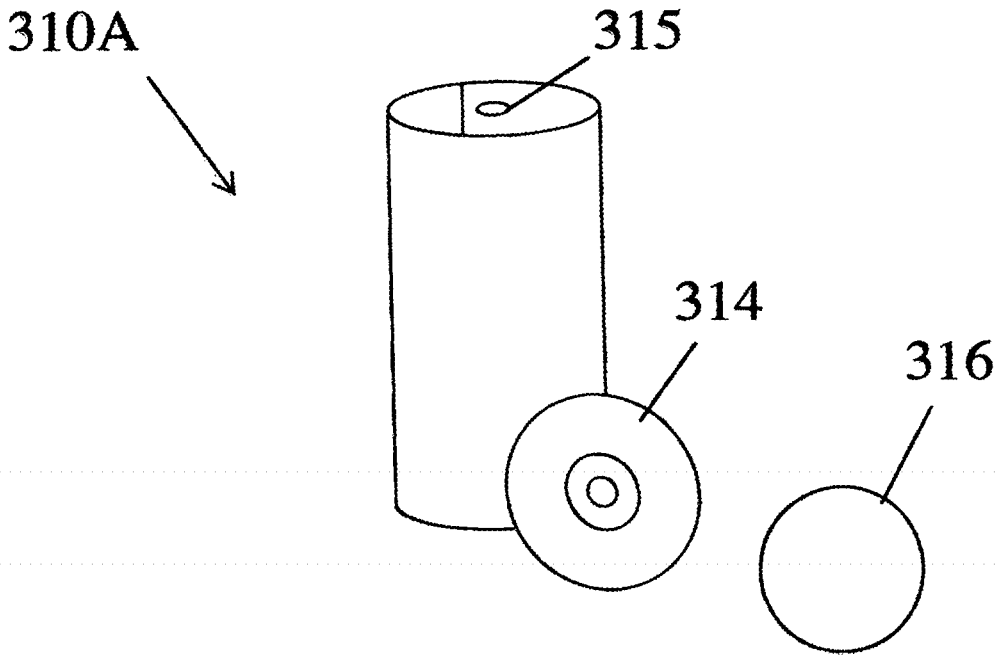


FIG. 6

HIGH CAPACITY CD-ROM AND DVD PLAYER SYSTEM

BACKGROUND OF THE INVENTION

Field of the Invention

[0001] The present invention is a CD-ROM and DVD player system. More specifically, the present invention is a high capacity CD-ROM and DVD player system.

Description of the Related Art

[0002] CD-ROMs and DVD players are important pieces of equipment to help music lovers and movie and television lovers enjoy music and movie and television shows when they desire. They may also be utilized in combination with other technologies such as a wireless technology standard used for exchanging data between fixed and mobile devices over short distances using short-wavelength UHF radio waves in the industrial, scientific and medical radio band or BLUETOOTH® and client server technology as well.

[0003] There is a need for a high capacity CD-ROM and DVD player system that may store and control CD-ROMs and DVDs without having to eject the CD-ROMs and DVDs.

BRIEF SUMMARY OF THE INVENTION

[0004] The present invention is a CD-ROM and DVD player system. More specifically, the present invention is a high capacity CD-ROM and DVD player system.

[0005] The high capacity CD-ROM and DVD player system includes a server system with a processor system, a communications interface, a communications system, an input system and an output system, the server system having access to a communications network, a memory system with an operating system, a communications module, a web browser module, a web server application and a high capacity CD-ROM and DVD player system non-transitory storage media, the high capacity CD-ROM and DVD player system non-transitory storage media includes a plurality of high capacity CD-ROM and DVD player system data, the memory system is in communication with the server system through the communications network, and a high capacity CD-ROM and DVD player in electrical communication with the server system.

[0006] It is an object of the present invention to provide a high capacity CD-ROM and DVD player system that stores in the range of 300 to 500 CDs and DVDs.

[0007] It is an object of the present invention to provide a high capacity CD-ROM and DVD player system that controls CD-ROMs and DVDs without having to eject the CD-ROMs and DVDs.

[0008] It is an object of the present invention to provide a high capacity CD-ROM and DVD player system that switches from playing one or more CD-ROMs to one or more DVDs without having to eject the CD-ROMs and DVDs.

[0009] It is an object of the present invention to provide a high capacity CD-ROM and DVD player system that digitally stores in the range of 300 to 500 CDs and DVDs on a memory system.

[0010] It is an object of the present invention to provide a high capacity CD-ROM and DVD player system that includes a remote control to control in the range of 300 to 500 CDs and DVDs.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] The present invention will be described by way of exemplary embodiments, but not limitations, illustrated in the accompanying drawings in which like references denote similar elements, and in which:

[0012] FIG. **1** illustrates a system overview of a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0013] FIG. **2**A illustrates a block diagram of a client system, in accordance with one embodiment of the present invention.

[0014] FIG. **2**B illustrates a block diagram of a server system, in accordance with one embodiment of the present invention.

[0015] FIG. **3** illustrates a front perspective view of a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0016] FIG. **4** illustrates a side perspective view of a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0017] FIG. **5** illustrates a front environmental perspective view of a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0018] FIG. **6** illustrates an overhead perspective view of a housing, in accordance with one embodiment of the present invention.

DETAILED DESCRIPTION OF ILLUSTRATIVE EMBODIMENTS

[0019] Various aspects of the illustrative embodiments will be described using terms commonly employed by those skilled in the art to convey the substance of their work to others skilled in the art. However, it will be apparent to those skilled in the art that the present invention may be practiced with only some of the described aspects. For purposes of explanation, specific numbers, materials and configurations are set forth in order to provide a thorough understanding of the illustrative embodiments. However, it will be apparent to one skilled in the art that the present invention may be practiced without the specific details. In other instances, well-known features are omitted or simplified in order not to obscure the illustrative embodiments.

[0020] Various operations will be described as multiple discrete operations, in turn, in a manner that is most helpful in understanding the present invention, however the order of description should not be construed as to imply that these operations are necessarily order dependent. In particular, these operations need not be performed in the order of presentation.

[0021] The phrase "in one embodiment" is used repeatedly. The phrase generally does not refer to the same embodiment, however, it may. The terms "comprising", "having" and "including" are synonymous, unless the context dictates otherwise.

[0022] FIG. **1** illustrates a system overview of a high capacity CD-ROM and DVD player system **100**, in accordance with one embodiment of the present invention.

[0023] The overall system **100** includes a server system **104**, an input system **106**, an output system **108**, a plurality of client systems **110**, **114**, **116**, **118** and **120**, a communications network **112** and a hand-held device **122**. In other embodiments, the overall system **100** may include additional components and/or may not include all of the components listed above.

[0024] The server system **104** may include one or more servers. One server **104** may be the property of the distributor of any related software or non-transitory storage media. In other embodiments, the overall system **100** may include additional components and/or may not include all of the components listed above.

[0025] The input system **106** may be used for entering input into the server system **104**, and may include any one of, some of, any combination of, or all of a keyboard system, a mouse system, a track ball system, a track pad system, a plurality of buttons on a handheld system, a scanner system, a wireless receiver, a microphone system, a connection to a sound system, and/or a connection and/or an interface system to a computer system, an intranet, and/or the Internet (i.e., IrDA, USB), for example.

[0026] The output system **108** may be used for receiving output from the server system **104**, and may include any one of, some of, any combination of or all of a monitor system, a wireless transmitter, a handheld display system, a printer system, a speaker system, a connection or an interface system to a sound system, an interface system to one or more peripheral devices and/or a connection and/or an interface system to a computer system, an intranet, and/or the Internet, for example.

[0027] The overall system **100** illustrates some of the variations of the manners of connecting to the server system **104**, which may be an information providing website (not shown). The server system **104** may be directly connected and/or wirelessly connected to the one or more client systems **110**, **114**, **116**, **118** and **120** and are connected via the communications network **112**. Client systems **120** may be connected to the server system **104** via the client system **118**. The communications network **112** may be any one of, or any combination of, one or more local area networks or LANs, wide area networks or WANs, wireless networks, telephone networks, the Internet and/or other networks. The communications network **112** may include one or more wireless portals (not shown). The client systems **110**, **114**, **116**, **118** and **120** are any system that an end user may use to access the server system **104**. For example, the client systems **110**, **114**, **116**, **118** and **120** may be personal computers, workstations, laptop computers, game consoles, handheld network enabled audio/video players and/or any other network appliance.

[0028] The client system **120** accesses the server system **104** via the combination of the communications network **112** and another system, which in this example is the client system **118**. The client system **120** is an example of a handheld wireless device **122**, such as a mobile phone or a handheld network enabled audio/music player or the like, which may also be used for accessing network content.

[0029] FIG. **2**A illustrates a block diagram of a client system **200** that may be used in combination with a client system for a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0030] The client system **200** may include an output system **202**, an input system **204**, a memory system **206**, a processor system **208**, a communications system **212**, an input/output system **214**, a website **216** and a wireless portal **218**. Other embodiments of the client system **200** may not have all of the components and/or may have other embodiments in addition to or instead of the components listed above.

[0031] The client system **200** may be any one of the client systems **110**, **114**, **116**, **118**, **120**, and/or handheld wireless device **122** that may be used as one of the network devices of FIG. **1**. In other embodiments, the client system **200** may include additional components and/or may not include all of the components listed above. The output system **202** may include any one of, some of, any combination of or all of a monitor system, a wireless transmitter, a handheld display system, a printer system, a speaker system, a connection or an interface system to a sound system, an interface system to peripheral devices and/or a connection and/or an interface system to a computer system, a smart television, an intranet, and/or the Internet, for example.

[0032] The input system **204** may include any one of, some of, any combination of or all of a keyboard system, a mouse system, a track ball system, a track pad system, one or more buttons on a handheld system, a scanner system, a wireless receiver, a microphone system, a connection to a sound system, and/or a connection and/or an interface system to a computer system, an intranet, and/or the Internet (i.e., Infrared Data Association or IrDA, Universal Serial Bus or USB), for example. The memory system **206** may include, for example, any one of, some of, any combination of or all of a long-term storage system, such as a hard drive, a short-term storage system, such as a random-access memory; a removable storage system, such as a floppy drive or a removable drive, and/or a flash memory. The memory system **206** may include one or more machine-readable mediums that may store a variety of different types of information. The term machine-readable medium is used to refer to any medium that is structurally configured for carrying information in a format that is readable by a machine. One example of a machine-readable medium is a computer-readable medium. The memory system **206** also stores a high capacity CD-ROM and DVD player system.

[0033] The processor system **208** may include any one of, some of, any combination of, or all of multiple parallel processors, a single processor, a system of processors having one or more central processors and/or one or more specialized processors dedicated to specific tasks. The processor system **208** implements the programs stored in the memory system **206**. The communications system **212** communicatively buttons the output system **202**, the input system **204**, the memory system **206**, the processor system **208**, and/or the input/output system **214** to each other. The communications system **212** may include any one of, some of, any combination of, or all of one or more electrical cables, fiber optic cables, and/or means for sending signals through air or water (i.e., wireless communications), or the like. Some examples of means for sending signals through air and/or water include systems for transmitting electromagnetic waves such as infrared and/or radio waves and/or systems for sending sound waves.

[0034] The input/output system **214** may include devices that have the dual function as input and output devices. For example, the input/output system **214** may include one or

more touch sensitive screens, which display an image and therefore are an output device and accept input when the screens are pressed by a finger or a stylus, for example. The touch sensitive screens may be sensitive to heat, capacitance and/or pressure. One or more of the input/output devices may be sensitive to a voltage or a current produced by a stylus, for example. The input/output system **214** is optional and may be used in addition to or in place of the output system **202** and/or the input device **204**.

[0035] The client systems **110**, **114**, **116**, **118**, **120** and the handheld wireless device **122** may also be tied into a website **216** or a wireless portal **218** which is also tied directly into the communications system **212**. Any website **216** or wireless portal **218** would also include software and a website module (no number) to maintain, allow access to and run the website as well.

[0036] FIG. **2**B illustrates a block diagram of a server system **104** that may be a high capacity CD-ROM and DVD player system, in accordance with one embodiment of the present invention.

[0037] The server system **104** may include a high capacity DVD and CD player system having a power source **220**, an output system **230**, an input system **240**, a memory system **250**, which may store an operating system **251**, a communications module **252**, a web browser module **253**, a web server application **254**, a non-transitory storage media for a high capacity CD-ROM and DVD player system **255** and an electronic text repository **256**. The server system **104** may also include a processor system **260**, a communications interface **270**, a communications system **275** and an input/output system **280**. In other embodiments, the server system **104** may include additional components and/or may not include all of the components listed above.

[0038] The output system **230** may include any one of, some of, any combination of, or all of a monitor system, a handheld display system, a printer system, a speaker system, a connection or interface system to a sound system, an interface system to one or more peripheral devices and/or a connection and/or interface system to a computer system, an intranet, and/or the Internet, for example.

[0039] The input system **240** may include any one of, some of, any combination of, or all of a keyboard system, a mouse system, a track ball system, a track pad system, one or more buttons on a handheld system, a scanner system, a microphone system, a connection to a sound system, and/or a connection and/or an interface system to a computer system, an intranet, and/or the Internet (i.e., IrDA, USB), for example.

[0040] The memory system **250** may include, for example, any one of, some of, any combination of, or all of a long-term storage system, such as a hard drive; a short-term storage system, such as random-access memory; a removable storage system, such as a floppy drive or a removable drive and/or a flash memory. The memory system **250** may include one or more machine-readable mediums that may store a variety of different types of information. The term machine-readable medium is used to refer to any medium capable of carrying information that is readable by a machine. One example of a machine-readable medium is a computer-readable medium. The memory system **250** may store a high capacity CD-ROM and DVD player system. The operating system **251** controls all software or non-transitory storage media and hardware of the overall system **100**. The communications module **252** may enable the server system **104** to communicate on the communications network **112**. The web browser module **253** allows for browsing the Internet. The web server application **254** serves a plurality of web pages to client systems that request the webpages, thereby facilitating browsing on the Internet.

[0041] The processor system **260** may include any one of, some of, any combination of, or all of multiple parallel processors, a single processor, a system of processors having one or more central processors and/or one or more specialized processors dedicated to specific tasks. The processor system **260** may implement the machine instructions stored in the memory system **250**.

[0042] In an alternative embodiment, the communication interface **270** allows the server system **104** to interface with the network **112**. In this embodiment, the output system **230** sends communications to the communication interface **270**. The communications system **275** communicatively buttons the output system **230**, the input system **240**, the memory system **250**, the processor system **260** and/or the input/output system **280** to each other. The communications system **275** may include any one of, some of, any combination of, or all of one or more electrical cables, fiber optic cables, and/or sending signals through air or water (i.e., wireless communications), or the like. Some examples of sending signals through air and/or water include systems for transmitting electromagnetic waves such as infrared and/or radio waves and/or systems for sending sound waves.

[0043] The input/output system **280** may include devices that have the dual function as the input and output devices. For example, the input/output system **280** may include one or more touch sensitive screens, which display an image and therefore are an output device and accept input when the screens are pressed by a finger or a stylus, for example. The touch sensitive screens may be sensitive to heat and/or pressure. One or more of the input/output devices may be sensitive to a voltage or a current produced by a stylus, for example. The input/output system **280** is optional and may be used in addition to or in place of the output system **230** and/or the input device **240**.

[0044] FIG. **3** illustrates a side perspective view of a high capacity CD-ROM and DVD player system **300**, in accordance with one embodiment of the present invention.

[0045] The high capacity CD-ROM and DVD player system **300** may the housing **310** having a display **312**, a pair of transparent windows **314**, an on/off button **316**, and a time display **318**.

[0046] The display **312** may be a digital display **312**A or the like. The display **312** may include a progress bar **312**B that runs across the display **312** as one of the CDs **315** or one of the DVDs **317** is played. The display **312** may display a plurality of CD data **315**A and a plurality of DVD data **317**A. The pair of transparent windows **314** may be a pair of elongated transparent windows **314**A to allow a person to view the CDs **315** and the DVDs **317** stored inside the housing **310**. The on/off button **316** may be depressed to turn on and turn off the high capacity CD-ROM and DVD player system **300**. The time display **318** may be a digital time display **318**A that more specifically may be a liquid electrode display or LED display **318**B or a liquid crystal display or LCD display **318**C.

[0047] FIG. **4** illustrates a front perspective view of a high capacity CD-ROM and DVD player system **300**, in accordance with one embodiment of the present invention.

[0048] The high capacity CD-ROM and DVD player system **300** may include a housing **310**, a remote control **320**, a BLUETOOTH® signal component **330**, a cloud computer component **340**, and a server system **350**.

[0049] The housing **310** may have a first generally cylindrical shape **310**A and a second generally cylindrical shape **310**B or the like. The first cylindrical shape **310**A is relatively smaller in diameter than the second generally cylindrical shape **3106**. The first cylindrical shape **310**A may have a first generally cylindrical interior **312**A to accommodate, store, and control a plurality of compact discs or CDs **314**. The second generally cylindrical shape **310**B may have a second generally cylindrical interior **312**B to accommodate, store, and control a plurality of digital video discs or DVDs **316**. The CDs **314** may be stored on top of or underneath the DVDs **316** in any order. The housing **310** may store and control in the range of 300 to 500 CDs **314** and DVDs **316** or the like.

[0050] The remote control **320** may be in electrical communication with the housing **310** to control playing, arranging, and digitally saving the CDs **314** and the DVDs **316**.

[0051] The BLUETOOTH® signal component **330** may provide electrical communication between the remote control **320** and the housing **310** to control playing, arranging, and digitally saving the CDs **314** and the DVDs **316**.

[0052] The cloud computer component **340** may be in communication with a cloud computer system **342** via the network (FIG. **1**, **112**) between the housing **310** and the client system **104**.

[0053] The server system **350** may reside within the housing **310** and controls the BLUETOOTH® signal component **330** and the cloud computer component **340**.

[0054] FIG. **5** illustrates a front environmental perspective view of a high capacity CD-ROM and DVD player system **300**, in accordance with one embodiment of the present invention.

[0055] The high capacity CD-ROM and DVD player system **300** may be a personal computer (FIG. **1**, **108**) or the like.

[0056] FIG. **6** illustrates an overhead perspective view of a first cylindrical shape **310**A, in accordance with one embodiment of the present invention.

[0057] The first cylindrical shape **310**A may include a centered elongated stem **315** to accommodate the CDs **314** and the DVDs **316** stored in the housing **310**.

[0058] Use of the high capacity CD-ROM and DVD player system **300** is straightforward. A method for playing a plurality of DVDs and CDs with a high capacity CD-ROM and DVD player system, comprising the steps of obtaining the high capacity CD-ROM and DVD player system, activating the high capacity CD-ROM and DVD player system, utilizing the high capacity CD-ROM and DVD player system within a housing of the high capacity CD-ROM and DVD player system to control playing, arranging, and digitally saving a plurality of CDs and a plurality of DVDs, and shutting down the high capacity CD-ROM and DVD player system.

[0059] A remote control is in electrical communication with the housing to control playing, arranging, and digitally saving the CDs and the DVDs.

[0060] The overall method may be executed by a non-transitory computer storage media having instructions stored thereon which, when executed, execute the overall method.

[0061] While the present invention has been related in terms of the foregoing embodiments, those skilled in the art will recognize that the invention is not limited to the embodiments described. The present invention can be practiced with modification and alteration within the spirit and scope of the appended claims. Thus, the description is to be regarded as illustrative instead of restrictive on the present invention.

What is claimed is:

1. A high capacity CD-ROM and DVD player system, comprising:

a server system with a processor system, a communications interface, a communications system, an input system and an output system, the server system having access to a communications network;

a memory system with an operating system, a communications module, a web browser module, a web server application and a high capacity CD-ROM and DVD player system non-transitory storage media, the high capacity CD-ROM and DVD player system non-transitory storage media includes a plurality of high capacity CD-ROM and DVD player system, the memory system is in communication with the server system through the communications network and the electronic text repository includes the general literature and diverse types of content; and

a high capacity CD-ROM and DVD player in electrical communication with the server system to store and control a plurality of CDs and a plurality of DVDs.

2. The system according to claim **1**, further comprising a client system, the client system accesses the server system via the communications network.

3. The system according to claim **2**, wherein the client system is a system selected from the group consisting of a smart phone, a laptop computer, a personal computer, a workstation, a game console, a handheld network enabled audio/video player, a smart television, or a network appliance.

4. The system according to claim **1**, wherein the high capacity CD-ROM and DVD player includes a housing, a remote control, a BLUETOOTH® signal component, and a cloud computer component.

5. The system according to claim **4**, wherein the housing includes a display, a pair of transparent windows, an on/off button, and a time display.

6. The system according to claim **4**, wherein the housing includes a first generally cylindrical shape and a second generally cylindrical shape.

7. The system according to claim **6**, wherein the first cylindrical shape is smaller in diameter than the second generally cylindrical shape.

8. The system according to claim **6**, wherein the first cylindrical shape includes a first generally cylindrical interior to accommodate, store, and play the CDs.

9. The system according to claim **6**, wherein the first cylindrical shape includes a centered elongated stem to accommodate the CDs and the DVDs stored in the housing.

10. The system according to claim **6**, wherein the second generally cylindrical shape includes a second generally cylindrical interior to accommodate, store, and play the DVDs.

11. The system according to claim **1**, wherein the CDs are stored on top of or underneath the DVDs in any order.

12. The system according to claim **1**, wherein the housing stores and controls in the range of 300 to 500 CDs and DVDs.

13. The system according to claim **4**, wherein the remote control is in electrical communication with the housing to control playing, arranging, and digitally saving the CDs and the DVDs.

14. The system according to claim **4**, wherein The BLUETOOTH® signal component provide electrical communication between the remote control and the housing to control playing, arranging, and digitally saving the CDs and the DVDs.

15. The system according to claim **4**, wherein the cloud computer component is in communication with a cloud computer system via the network between the housing and the client system.

16. The system according to claim **4**, wherein the server system resides within the housing and controls the BLUETOOTH signal component and the cloud computer component.

17. A method for playing a plurality of DVDs and CDs with a high capacity CD-ROM and DVD player system, comprising the steps of:

obtaining the high capacity CD-ROM and DVD player system;

activating the high capacity CD-ROM and DVD player system;

utilizing the high capacity CD-ROM and DVD player system within a housing of the high capacity CD-ROM and DVD player system to control playing, arranging, and digitally saving a plurality of CDs and a plurality of DVDs; and

shutting down the high capacity CD-ROM and DVD player system.

18. The method according to claim **17**, further comprising a remote control is in electrical communication with the housing to control playing, arranging, and digitally saving the CDs and the DVDs.

19. A non-transitory computer storage media having instructions stored thereon which, when executed, execute a method comprising the steps of:

obtaining the high capacity CD-ROM and DVD player system;

activating the high capacity CD-ROM and DVD player system;

utilizing the high capacity CD-ROM and DVD player system within a housing of the high capacity CD-ROM and DVD player system to control playing, arranging, and digitally saving a plurality of CDs and a plurality of DVDs; and

shutting down the high capacity CD-ROM and DVD player system.

20. The non-transitory computer storage media according **6**to claim **19**, further comprising a remote control is in electrical communication with the housing to control playing, arranging, and digitally saving the CDs and the DVDs.

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