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Presented for filing is a new continuation patent application of:

Applicant: DAVID STROBER

Title: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

Assignee:

Enclosed are the following papers, including those required to receive a filing date under 37 C.F.R. § 1.53(b):

	Pages
Specification	16
Claims	6
Abstract	1
Declaration	2
Drawing(s)	9

Enclosures:

— Application Data Sheet, 4 pages.
— Information disclosure statement, 1 page.
PTO-1449, 2 pages.
— **Request for Prioritized Examination**.

Applicant claims small entity status. See 37 CFR 1.27.

Basic Filing Fee	$95
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Total Claims 27	over 20	**7 x $30**	$210
Independent Claims 3	over 3	**0 x $125**	$0
Fee for Multiple Dependent claims			$0
Fee for each additional 50 pages of Specification and Drawings over 100 32(total pages)*.75 = 24 - 100/50 = 0 x			$0
Total Filing fee			$3570

The total filing fee in the amount of $3570 is being paid concurrently herewith on the Electronic Filing System (EFS) by way of Deposit Account authorization.

Please apply all necessary charges or any credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 30160-0002002.

If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (212) 765-5070.

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Respectfully submitted,

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COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name islisted below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE, the specification of which:

[] is attached hereto.
[X] was filed on June 10, 2011 as Application Serial No. 13/157,821.
[] was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
61/477,998	April 21, 2011	Pending

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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Country	Application No.	Filing Date	Priority Claimed
			[] Yes [] No
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PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

CROSS-REFERENCE TO RELATED APPLICATION(S)

This application is a continuation of U.S. Application No. 13/157,821, filed on June 10, 2011, which in turn claims the benefit of priority of U.S. Provisional Patent Application No. 61/477,998, filed on April 21, 2011.

BACKGROUND

This disclosure relates to play control of content on a display device. Such display devices include, for example, television displays used by consumers in their home for viewing videos and other media that are either provided from the Web or previously stored. In particular, the disclosure relates to the creation, storage, manipulation and access of media playlists used in conjunction with display devices and control of the display devices.

Web media often is played on computers rather than television displays. Although it is known to connect a computer to a television set in order to watch Web media, it is difficult to control such a system within the typical scenario for television watching where the viewer is positioned some distance from the television. Furthermore, although a wireless device can enable the user to control the television from a distance, it can be difficult to view a web browser display on the television set and may interfere with normal television program viewing by other persons.

Given the desire to watch various World Wide Web media on a family's primary television set, and to control this operation from the comfort of one's couch, there is a need to operate a television set or other display remotely from a personal computing device, such as a mobile phone. It also is desirable to allow a user to perform a general Web search to locate and capture Web media, and to control a television or other display remotely using the personal computing device.

SUMMARY

Various aspects of the invention are set forth in the claims.

For example, according to one aspect, a system for presenting and controlling content on a display device includes a network, a server system coupled to the network and comprising one or more servers, a display device coupled to the network and having a display, and a personal computing device operable to transmit a first message according to a specified format over the network to the server system. The server system stores an association between the personal computing device and the display device. The first message identifies user-selected content and a media player to play the content. The server system is operable, in response to receiving the first message from the personal computing device, to provide to the display device a second message identifying the user-selected content and the media player to play the content. In response to receiving the second message, the display device is operable to obtain a first media player needed to play the content, to load the media player and to present the content on the display.

In some implementations, the display device is operable, in response to receiving the second message, to obtain the first media player from the content provider only if the first media player is not already loaded in the display device.

In some implementations, the personal computing device is operable to transmit a message according to a specified format over the network to the server system. The message can include a command for controlling playing of the content on the display device. The server system is operable, in response to receiving the message, to convert the command into a corresponding command recognizable by the media player if the command received from the personal computing device is not recognizable by the media player. The server system is operable to provide to the display device a message that includes the corresponding command, and the display device is operable, in response to receiving the message from the server system, to execute the command.

In some implementations, the personal computing device is, for example, a mobile phone, and the display device is a television set. Other personal computing devices or display devices can be used in other implementations. The network can include, for example, the Internet.

In some implementations, the server system stores a look-up table that includes a synchronization code uniquely associated with the display device. A message from the personal computing device can include the synchronization code, and in response to

receiving the message from personal computing device, the server system can use the synchronization code and the look-up table to identify the display device on which the content is to be played. The synchronization code can be different from an IP address associated with the display device and/or a media access control address associated with the display device.

In various implementations, the system can facilitate allowing a personal computing device to be used to select different content to be played on a remote display even if different media players are required to present the different content. The system also can allow the user to control how the content is displayed on the display device using the personal computing device. For example, user-initiated play commands can be passed from the user's personal computing device, through the server system, to the display device.

Other aspects, features and advantages will be apparent from the following detailed description, the accompanying drawings, and the claims.

BRIEF DECSRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram illustrating an example of a system according to the invention.

FIG. 2 illustrates various details of the flow of information and signals according to some implementations.

FIG. 3 illustrates an example of a transmission code incorporated into a message from a personal computing device.

FIG. 4 illustrates an example of a look-up table that forms part of a server system.

FIG. 5 illustrates an example of entries in a universal API adapter.

FIG. 6 is a flow chart showing steps for display device to load a video player and video.

FIG. 7A illustrates an example of a display device including a synchronization code.

FIG. 7B illustrates an example of a synchronization code look-up table.

FIGS. 8-13 illustrate examples of various scenarios in which the invention can be used.

FIGS. 14A through 14E illustrate examples of display screens that may appear on a user's personal computing device in accordance with the invention.

FIG. 15 illustrates further information that can be stored in the look-up table in the server system.

DETAILED DESCRIPTION

As shown in FIG. 1, a system 10 facilitates synchronizing a connection between two or more devices 20, 22 connected to the Internet 21 or other computer network. The connection is designed to be made by a first device (e.g., a personal computing device) 20 that acts as a controller and a second device (e.g., a television set 22 with a display 23) that acts as a receiver to play content selected by a user of the first device and to respond to commands that originate at the personal computing device. The personal computing device 20 is operable to display an application or web site that contains information and links to content providers 30 on the Internet 21. The television set 22 is operable to link back to a server system 24 from which the television set receives commands. When a user makes a selection using the personal computing device 20 for particular content to be displayed on the television display 23, a signal is sent through the Internet (or other network) 21 to the server system 24. A corresponding command signal then is passed along to the connected television set 22, which acts on a transmission code contained within the signal and performs specified commands. For example, in some scenarios, the command instructs the television set 22 to access a content provider 30 through the Internet 21, load a specific media player, load the media player-specific content (e.g., a video) and play the content on the television display 23. The user can use the personal computing device 20 to control how the content is played on the television display 23. The user may subsequently visit the same or another Web site using the personal computing device 20 to select different content (e.g., a second video) to be played on the television display 23. In that case, another signal would be sent through the server system 24 to the television set 22. A transmission code associated with this command signal instructs the television set 22 to load a new media player (if needed) over the Internet and to load the specified video file to be played on the display 23. Thus, the system 10 allows a personal computing device 20 to be used to select different content to

be played on a remote display 23 even if different media players are required for the different content. The user also can control how the content is displayed (e.g., play, pause, stop, rewind, fast forward, etc.) on the display 23 using the personal computing device 20. The user-initiated play commands are passed from the user's personal computing device 20, through the server system 24, to the television set 22.

Although the following detailed discussion describes videos as an example of the type of content to be played on the display 23, the system 10 can be used for other types of content as well. Thus, depending on the implementation, the content may include one or more of the following: video, audio, interactive video game, streaming media, multimedia, images, slides (e.g., a PowerPoint presentation) or other types of dynamic content. Furthermore, in the following discussion, it is assumed that the personal computing device 20 is a mobile phone that includes a display, an internal microprocessor or other processing circuitry, a keypad, keyboard, touchscreen, mouse, trackball, or other device to receive user selections and other input, and a transceiver to establish communications to the Internet 21 or other communications networks. More generally, however, the personal computing device 20 can be any type of handheld or other Internet-enabled personal computing device, including personal computers, e-books, kiosks, tablets, smart phones, media players, and motion and touch sensory interfaces. In some cases, input from the user can be received in forms other than tactile input (e.g., acoustic or speech).

FIG. 2 illustrates further details of the flow of information and signals according to some implementations. The personal computing device (e.g., mobile phone) 20 is operable to display an application or web site that contains information and links to content providers 30 on the Internet 21. The user operates the mobile phone 20 so as to start the application or access the web site (block 100). In some implementations, a logo appears on the mobile phone's display. By selecting the logo, the user causes a menu to expand and present various options. The options can include, for example: (i) add new content to a playlist, (ii) play a listed item on a secondary device, (iii) play a listed item on the mobile phone 20. If the user selects to add new content to the playlist, the user is presented with a screen that allows him to enter user-defined search parameters or o select predefined search parameters to request video data. The search parameters are sent

from the mobile phone 20 as part of a request for video data that satisfy the search parameters (block 102). The request is transmitted via the Internet 21 and through the server system 24 to the appropriate content provider web site. In response, the content provider 30 provides metadata (e.g., titles, links to the videos) for one or more video files that satisfy the search parameters (block 104). The metadata can be provided to the mobile phone 20, for example, in the form of an XML data file. Upon receiving the data file, the mobile phone 20 displays a list of one or more videos based on the information received from the content provider 30 (block 106).

If desired, the user can take one of several actions, including selecting one of the videos from the displayed list to be played on the television display 23 or initiating a command with respect to a video that already has been loaded to the television set 22 (block 108). The mobile phone 20 then formats and transmits a message to the server system 24 (block 110). The message from the mobile phone 20 contains a transmission code that includes data regarding the user information (e.g., user identification or account number), the secondary display it wants to connect to (e.g., television set 22 with display 23), the location and name of the media player for the selected video, the command (e.g., play, pause, rewind, etc.), and the video file to be acted upon. An example of the format of a transmission code from the mobile phone 20 to the server system 24 is illustrated in FIG. 3. Different formats and/or different information may be appropriate for other implementations.

The message from the mobile phone 20 is transmitted over the Internet 21 and is received by the server system 24 (block 112). Based on information in the message from the mobile phone 20, the server system 24 verifies that the user has an account (block 114), and the contents of the message, as well as the date and time of receipt of the message, are added to a personal computing device database 32 (block 116) which forms part of a switchboard 28. In general, all messages from a particular user's personal computing device 20 are stored in the database 32 corresponding to an account for the particular user. Thus, the database 32 stores a record of all messages received from a user's personal computing device 20, as well as the user's identification, an indication of the target device 22, an identification of the media player that is required for the selected video, and an identification of the selected video.

The switchboard 28 also includes a look-up table 34 that stores a correspondence between a particular personal computing device (such as mobile phone 20) and target devices (e.g., the television set 22) to which the user command is directed. An example of the look-up table 28 is illustrated in FIG. 4. In this example, it is assumed that, at most, a single connection is established at any given time between a particular mobile phone and a display device. However, as explained below, other scenarios are also possible to establish group connections (e.g., multiple mobile phones connected to the same display device). The server system 24 performs a target verification (block 118), which includes checking whether a connection to a particular display device already is established for the mobile phone 20 and, if so, checking the identification of the display device. During the target verification, if the look-up table indicates that there is no connection established between the mobile phone 20 and a particular display device, then the server system 24 sends a message to the mobile phone 20 to prompt the user to identify the device on which the video is to be displayed.

A user can identify the device on which the video is to be displayed in one of several ways, depending on the implementation. In some implementations, the user can select the display device from a list of devices displayed on the mobile phone 20. The list can include a field populated with names or identifications of display devices that previously have been initialized for connection. Alternatively, the user can select the display device by entering a synchronization code uniquely associated with the particular display device. As illustrated in FIG. 7A, the synchronization code 48 can be displayed, for example, on a splash page of the display device as text on the screen or as an image such as a QR code and can be entered into the mobile phone 20, for example, manually by the user or by scanning the code into the mobile phone. The code can be scanned, for example, using optical scanning or RFID techniques. Preferably, the synchronization code is different from the IP address associated with the device 22. The IP address also can be different from the media access control (MAC) address associated with the device 22. For example, in some implementations, the synchronization code is generated randomly and assigned to the display device 22 each time it connects to the server system 24. Thus, a particular display device 22 may have an IP address, a MAC address, a web or browser cookie, and a synchronization code ("sync code") assigned to it at any given

time. This information can be stored, for example, in a look-up table in the server system 24. An example of entries in such a look-up table are illustrated in FIG. 7B.

Once the synchronization code is entered into, or captured by, the mobile phone 20, it is sent from the mobile phone 20 to the server system 24, which stores the information in the look-up table 36 so as to establish a connection between the mobile phone 20 and the display device 22 through the server system 24.

Once a connection is established between the mobile phone 20 and the display device 22, signals sent from the mobile device 20 to its associated database 32 are copied to a database 34 associated with the target device (e.g., television set 24) based on the correspondence between the mobile device and the target device listed in the look-up table 36 (block 122). Thus, the database 32 entries associated with a particular display device (e.g., television set 24) provide a record of the messages received for that display device, as well as an indication of the identification of the device that sent each message, an indication of the media player required to play the video, and an indication of the selected video.

In the illustrated implementation, the command in the transmission code (see FIG. 3) contains a JavaScript reference to control the media player needed to play the selected video. Various types of video players may use different JavaScript commands to control their respective playback. Therefore, in the illustrated implementation, a universal adapter 26 is provided to interpret and convert a standard or universal command (e.g., play, pause, etc.) into the specific command recognized by the media player. Each time a signal is received from the mobile device 20, the API adapter 26 checks and identifies the specific media player that is being requested. Based on this information, the system loads the appropriate set of protocols or application programming interfaces (APIs) from its library and converts the incoming commands from the mobile device 20 into the correct JavaScript (or other programming) code used by the target device 22 to control the specific player (block 120). The server system 24 then copies the converted version of the message to the database 34 associated with the target device 22, as indicated above in connection with block 122.

The universal adapter 26 can be implemented, for example, as a look-up table. Examples of entries in such a look-up table are illustrated in FIG. 5. Thus, for a universal

command "New Video," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "yt_loadVideo" for YouTube). Similarly, for a universal command "Pause," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "pauseVideo" for Ted.com). Other universal commands and the corresponding command(s) for one of more media players also can be stored by the universal adapter 26.

The display device 22 periodically checks the entries in the database 34 to determine if there are any new messages/commands directed to it (block 124). For example, in some implementations, the display device 22 polls the associated database 34 at some predetermined time interval. In some implementations, instead of the display device 22 periodically checking whether there are any messages for it in the database 34, the server system 24 can push the messages to the display device 22. In any event, the system is arranged so that the display device 22 receives the messages intended for it.

When the display device 22 receives a message from the server system 24 (block 126), the display device executes the message (block 128). In some cases, the media player required to play the video indicated in the message is not presently loaded in the display device 22. For example, the received command may be to "play" a particular video. As indicated by FIG. 6, if the media player needed to play the video is not already loaded in the display device 22, the display device 22 requests and obtains a copy of the appropriate media player 40 and a copy of the video file 42 from a content provider 30, loads the media player and then presents the video on the display 23 (FIG. 2, block 130). Likewise, as indicated by FIG. 6, if the appropriate media player already is loaded in the display device, but the particular video is not, then the display device 22 requests and obtains a copy of the video file 42 from the content provider 30 and proceeds to play the video. To allow the display device 22 to switch between different video players (i.e., to load and unload different video players), a software program can be stored on the display device and/or the web site to establish a secure connection back to the server system 24.

Once the video is playing on the display device 22, the user of the mobile phone 20 can control the playing of the video by entering appropriate commands (e.g., pause, fast forward, rewind, stop, play, etc.) through the mobile phone. Each command is incorporated into a message including a transmission code (FIG. 3) as described above.

The message is transmitted to the server system 24, which copies the message into database entries associated with the particular display device 22 (i.e., after performing any conversion of the command by the API adapter 26). Once the message is retrieved by or sent to the display device 22, the display device proceeds to execute the command.

The system and methods described here allow a user of a mobile phone or other personal computing device to create a playlist based on videos (or other types of content) from multiple sources and to play back each video using a single interface that can be used to control different media players.

As mentioned above, the system and methods described above also can be used with types of content other than video. In that case, different types of user-initiated commands may be available to control the content displayed on the display 23. For example, for interactive video games, the user-initiated commands can include control commands appropriate for the particular game.

Although the implementation of FIG. 1 illustrates the display device 22 as a television set with a display screen 23, other types of display devices can be used as well (e.g., a laptop or personal computer).

The systems and methods can be used in various scenarios to play back videos (or other content). Examples of several scenarios that can be implemented using the system described above are described in the following paragraphs. For example, a first scenario involves a single user's smartphone connecting to a single display device (FIG. 8). In this scenario, the user turns on, for example, her display device (e.g., personal computer with a display monitor), opens up a browser and accesses a website associated with the server system 24. The user then clicks on a link that launches the software program to establish a secure connection back to the server system 24. The software program opens a splash page (see FIG. 14A), and a sync-code is displayed on the monitor. The user then opens the appropriate application on her smartphone. In the smartphone application, the user accesses a "Connect" screen from which he can select one of several listed display devices (see FIG. 14B). Alternatively, the user can enter the sync-code displayed on the computer monitor (see FIG. 14B). The user then clicks on a SEND button which causes a message including the sync-code to be sent the server system 24. In response, the server system 24 establishes a connection between the user's smartphone and the selected

display device through a look-up table as described above with respect to FIG. 4. The user can use a search tool in the smartphone application to find a video. In response to the search, a list of videos satisfying the search appears on the smartphone (see FIG. 14C). When the user selects a video from the list displayed on the smartphone, the information is provided through the server system 24 to the personal computer. In some implementations, a pop-up window may appear on the smartphone listing one or more options for the user to take regarding the selected video. Such options can include, for example, play the video on the selected display device (e.g., the personal computer), play the video on the smartphone, or add the video to the playlist on the smartphone. If the user chooses to have the video played on the display device (e.g., the personal computer), the personal computer obtains a copy of the required video player and the selected video from an appropriate content provider over the Internet and begins to play the video on the monitor as described previously. In some implementations, a message is displayed on the user's smartphone indicating that the selected video is playing and providing additional information about the selected video (see FIG. 14D). The user can control playing of the video (e.g., pause, fast forward, rewind, play, etc.) from her smartphone.

A second scenario involves saving a selected video to a playlist on a single user's smartphone, and subsequently playing the video on a display device (FIG. 9). In this scenario, the user opens the appropriate application on his smartphone and searches for videos using the search tool displayed in the application. When a list of videos is displayed on the smartphone in response to the search request, the user selects one or more videos to add to his playlist. At that time, or at a later time, the user can connect to a display device through the server system 24. To do so, the user opens the playlist on his smartphone and selects a video. The information is provided through the server system 24 to the display device, which obtains a copy of the required video player and the selected video from an appropriate content provider over the Internet and begins to play the video. The user can control playing of the video (e.g., pause, fast forward, rewind, play, etc.) from his smartphone.

A third scenario involves multiple users' smartphones and a single display device (FIG. 10). For example, a user may want to share and watch videos with a group of friends watching together on a single display device. In this situation, the user can access

the application or web site to set up a group and serve as the moderator for the group. The user then can send out a request to other members of the group, or other users can send a request to the moderator to join the group. Users can search for other users based, for example, on username or from a contact list. The moderator then can select a user in the group to control the display device. FIG. 14E illustrates an example of a screen on the user's smartphone that allows the user to connect with other users to form a group and to select which member of the group controls the display device (e.g., by selecting a member of the group from the list "Me, Guest 1, Guest 2, . . ." near the top of the screen). Alternatively, the moderator can set it up so that control is passed to each member of the group in turn automatically, or so that the next turn can be determined by consensus of the entire group, via some form of voting. Regardless of who has control of the display device 22, each user in the group retains control of his own smartphone. The look-up table 36 in the server system 24 stores the connections established between the personal computing devices of the users in the group and the display device (see FIG. 15).

A fourth scenario involves one user's smartphone and multiple display devices (FIG. 11). In this example, a user opens the application on his smartphone to establish a connection to a first display device and then repeats the process for multiple display devices. A list of devices that the user's smartphone is connected to is displayed on the smartphone. The user can choose to control all devices simultaneously or one at a time. To do so, the user selects from the list the display device(s) he wants to control. The user then can search for videos using his smartphone. In response to the user selecting a particular video, the selected video is played on the selected display device(s).

A fifth scenario involves multiple users' smartphones and multiple connected display devices (FIG. 12). For example, a user may want to share and watch videos with a group of friends, who may be in different locations each of which has a separate display device. Each user establishes a connection from her smartphone to the display device where she is located. One of the users uses the application or web site to establish a group, with the user who establishes the group serving as the group moderator. The user can send out a request to other users to join the group or other users can send a request to the moderator to join the group. In some implementations, users can search for other users based on username or from a contact list. The moderator chooses which member of

the group has control of the display device. Alternatively, the moderator can set it up control is passed to each member of the group in turn automatically, or so that the next turn can be determined by consensus of the entire group, via some form of voting. The signal sent from the smartphone of the group member who has control is sent (via the server system 24) to all display devices within the group. Regardless of which group member has control of the display devices, each user retains control of her own smartphone. The look-up table 36 in the server system 24 stores the connections established between the personal computing devices of the users in the group and the display devices (see FIG. 15).

A sixth scenario involves sharing video links and a playlist (FIG. 13). For example, a user within a group can share a video playlist and video links via an Instant messaging system built-in to the application. Users also can post video links or a video playlist to third-party web sites (e.g., social networking sites). Other users can view the video link and playlist within the application. When a video from the list is selected, it plays on the selected device.

The system and methods can be used by a wide variety of users in addition to individual viewers. For example, companies that provide on-line video platforms that host videos for other individuals or companies can obtain useful advantages by integrating the platforms with the server system 24. Programming hooks can be created in the API so that the on-line video platform's media player can communicate with the server system 24. When media player commands for an on-line video platform are added to the system 24, the media player's API is placed in an API library and is stored in the API adapter 26. The on-line video platform can then offer customers the ability to add videos to their own mobile web sites that are enabled to operate with the server system 24.

The system and methods also can be used by content providers. For example, the content provider may want to deliver its media on-line. The content provider can use an on-line video platform that is enabled to operate with the server system 24. In some implementations, the content provider is allowed to add links to videos for that web site (i.e., mobile site or an application). The link facilitates synchronization to the secondary

device 22 (e.g., a television set) and allows the end-user to load and control the video on the secondary device.

As used in this disclosure, terms such as "first," "second," etc. with respect to the messages are used simply as labels to distinguish the various messages from one another. Such terms do not imply that there cannot be any other messages prior to the first message or that there cannot be other messages between the first and second messages.

Implementations of the subject matter and the operations described in this specification can include digital electronic circuitry, or in computer software, firmware, or hardware, including the structures disclosed in this specification and their structural equivalents, or in combinations of one or more of them. Implementations of the subject matter described in this specification can include one or more computer programs, i.e., one or more modules of computer program instructions, encoded on computer storage medium for execution by, or to control the operation of, data processing apparatus. Alternatively or in addition, the program instructions can be encoded on an artificially-generated propagated signal, e.g., a machine-generated electrical, optical, or electromagnetic signal that is generated to encode information for transmission to suitable receiver apparatus for execution by a data processing apparatus. A computer storage medium can be, or can be included in, a computer-readable storage device, a computer-readable storage substrate, a random or serial access memory array or device, or a combination of one or more of them. Moreover, while a computer storage medium is not a propagated signal, a computer storage medium can be a source or destination of computer program instructions encoded in an artificially-generated propagated signal. The computer storage medium can also be, or be included in, one or more separate physical components or media (e.g., multiple CDs, disks, or other storage devices).

The operations described in this specification can include operations performed by a data processing apparatus on data stored on one or more computer-readable storage devices or received from other sources. The term "data processing apparatus" encompasses all kinds of apparatus, devices, and machines for processing data, including by way of example a programmable processor, a computer, a system on a chip, or multiple ones, or combinations, of the foregoing. The apparatus and execution

environment can realize various different computing model infrastructures, such as web services, distributed computing and grid computing infrastructures.

A computer program (also known as a program, software, software application, script, or code) can be written in any form of programming language, including compiled or interpreted languages, declarative or procedural languages, and it can be deployed in any form, including as a stand-alone program or as a module, component, subroutine, object, or other unit suitable for use in a computing environment. A computer program may, but need not, correspond to a file in a file system. A program can be stored in a portion of a file that holds other programs or data (e.g., one or more scripts stored in a markup language document), in a single file dedicated to the program in question, or in multiple coordinated files (e.g., files that store one or more modules, sub-programs, or portions of code). A computer program can be deployed to be executed on one computer or on multiple computers that are located at one site or distributed across multiple sites and interconnected by a communication network.

Processors suitable for the execution of a computer program include, by way of example, both general and special purpose microprocessors, and any one or more processors of any kind of digital computer. Generally, a processor will receive instructions and data from a read-only memory or a random access memory or both. Elements of a computer include a processor for performing actions in accordance with instructions and one or more memory devices for storing instructions and data.

Generally, a computer will also include, or be operatively coupled to receive data from or transfer data to, or both, one or more mass storage devices for storing data, e.g., magnetic, magneto-optical disks, or optical disks. However, a computer need not have such devices. Moreover, a computer can be embedded in another device, e.g., a mobile telephone, a personal digital assistant (PDA), a mobile, audio or video player, a game console, a Global Positioning System (GPS) receiver, or a portable storage device (e.g., a universal serial bus (USB) flash drive), to name just a few. Devices suitable for storing computer program instructions and data include all forms of non-volatile memory, media and memory devices, including by way of example semiconductor memory devices, e.g., EPROM, EEPROM, and flash memory devices; magnetic disks, e.g., internal hard disks or removable disks; magneto-optical disks; and CD-ROM and DVD-ROM disks. The

processor and the memory can be supplemented by, or incorporated in, special purpose logic circuitry.

Although this specification contains many specific implementation details, these should not be construed as limitations on the scope of any inventions or of what may be claimed, but rather as descriptions of features specific to particular implementations of particular inventions. Certain features that are described in this specification in the context of separate implementations can also be implemented in combination in a single implementation. Conversely, various features that are described in the context of a single implementation can also be implemented in multiple implementations separately or in any suitable subcombination. Moreover, although features may be described above as acting in certain combinations and even initially claimed as such, one or more features from a claimed combination can in some cases be excised from the combination, and the claimed combination may be directed to a subcombination or variation of a subcombination.

Similarly, while operations are depicted in the drawings in a particular order, this should not be understood as requiring that such operations be performed in the particular order shown or in sequential order, or that all illustrated operations be performed, to achieve desirable results. In certain circumstances, multitasking and parallel processing may be advantageous. Moreover, the separation of various system components in the implementations described herein and the attachments hereto should not be understood as requiring such separation in all implementations, and it should be understood that the described program components and systems can generally be integrated together in a single software product or packaged into multiple software products.

Thus, although particular implementations have been described, other implementations are within the scope of the claims.

What is claimed is:

1. A machine-implemented method of controlling presentation of video content on a display device, the method comprising:

receiving, in a server system, one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a command for controlling the presentation of the video content on the display device,

converting, by the server system, the command into corresponding programming code used by the display device to control the media player; and

storing, in a database associated with the server system, a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code used by the display device to control the media player in accordance with the command.

2. The method of claim 1 including:

checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device;

loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player; and

converting the command from the personal computing device into a corresponding JavaScript code used by the display device to control the media player.

3. The method of claim 1 wherein converting the command into corresponding programming code used by the display device to control the media player includes using information in a look-up table.

4. The method of claim 3 wherein the command contained in the one or more signals from the personal computing device is in the form of a universal command, and wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player.

5. The method of claim 1 wherein the command contained in the one or more signals from the personal computing device is in the form of a universal command, and wherein converting the command includes selecting from among a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player.

6. The method of claim 1 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

7. The method of claim 1 wherein the video content is an interactive video game.

8. The method of claim 1 wherein the video content is streaming media.

9. The method of claim 1 including:

receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played; and

storing in the server system a record establishing a connection between the personal computing device and the display device based on the code.

10. The method of claim 9 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

11. The method of claim 9 including assigning a randomly generated code to the display device each time the display device connects to the server system.

12. A system for controlling playing of video content on a display device, the system comprising:

a server system;

a first database storing a relationship between a personal computing device and the display device; and

a second database;

wherein the server system is operable to receive one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a command for controlling the presentation of the video content on the display device,

the server system being operable to convert the command into corresponding programming code used by the display device to control the media player;

the server system being further operable to store in the second database a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code used by the display device to control the media player in accordance with the command.

13. The system of claim 12 including:

a library storing protocols or application programming interfaces,

wherein the server system is operable to check the identity of the media player identified in the one or more signals from the personal computing device, load an appropriate set of protocols or application programming interfaces from the library based on the identity of the media player, and convert the command from the personal computing device into a corresponding programming code used by the display device to control the media player.

14. The system of claim 12 including:

a look-up table storing a plurality of commands each of which is for a particular type of media player,

wherein the server system is operable to convert the command into corresponding programming code used by the display device to control the media player based on information in the look-up table.

15. The system of claim 12 wherein the command contained in the one or more signals from the personal computing device is a universal command, and wherein the look-up table stores a correspondence between the universal command and a plurality of specific commands, each of which is for a particular media player.

16. The system of claim 15 the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table.

17. The system of claim 12 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

18. The system of claim 12 wherein the video content is an interactive video game.

19. The system of claim 12 wherein the video content is streaming media.

20. The system of claim 12 wherein the server system is operable to receive a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played, the server system further being operable to store the record establishing a connection between the personal computing device and the display device based on the code.

21. The system of claim 20 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

22. The system of claim 20 wherein the server system is operable to assign a randomly generated code to the display device each time the display device connects to the server system.

23. An automated machine-implemented method of presenting video content on a display device, the method comprising:

retrieving, by the display device, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code used by the display device to control the first media player in accordance with a first command;

obtaining, by the display device, over the Internet the first media player for playing the first video file;

loading the first media player in the display device;

executing the first command with respect to the first video file using the first media player;

subsequently retrieving, by the display device, second information that specifies a second video file to be acted upon, that identifies a second media player for playing the second video file, and that indicates corresponding programming code used by the display device to control the second media player in accordance with a second command;

obtaining, by the display device, over the Internet the second media player for playing the second video file;

loading the second media player in the display device; and

executing the second command with respect to the second video file using the second media player.

24. The method of claim 23 wherein the display device comprises a television set with a display screen.

25. The method of claim 23 wherein the display device comprises a laptop or personal computer.

26. The method of claim 23 wherein each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file.

27. The method of claim 23 wherein the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet.

ABSTRACT OF THE DISCLOSURE

A system for presenting and controlling content on a display device includes a network, a server system coupled to the network and comprising one or more servers, a display device coupled to the network and having a display, and a personal computing device operable to transmit a first message according to a specified format over the network to the server system. The server system stores an association between the personal computing device and the display device. The first message identifies user-selected content and a media player to play the content. The server system is operable, in response to receiving the first message from the personal computing device, to provide to the display device a second message identifying the user-selected content and the media player to play the content. In response to receiving the second message, the display device is operable to obtain a first media player needed to play the content, to load the media player and to present the content on the display.

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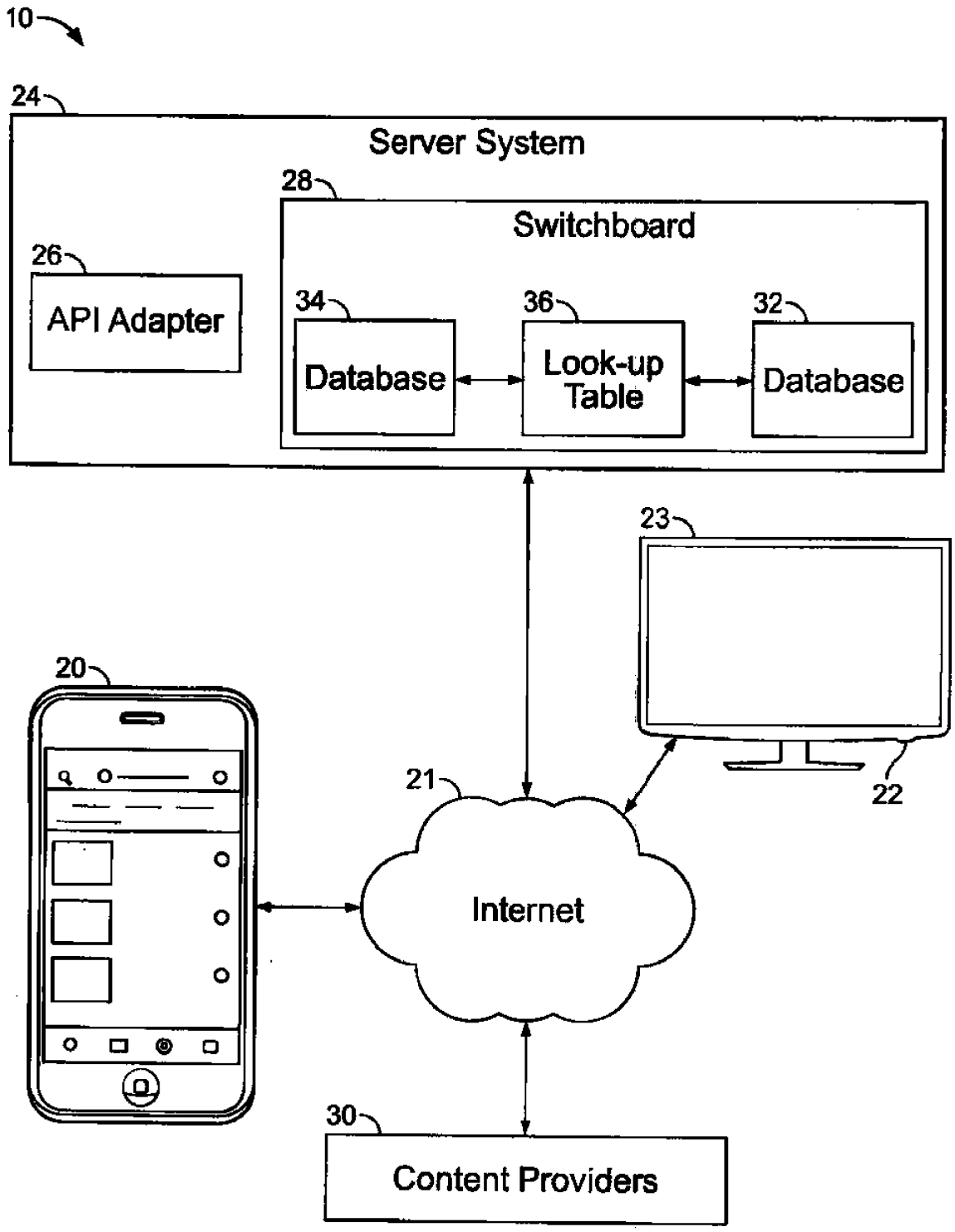

10
24
Server System
28
Switchboard
26
API Adapter
34
Database
36
Look-up Table
32
Database
23
22
20
21
Internet
30
Content Providers

FIG. 1

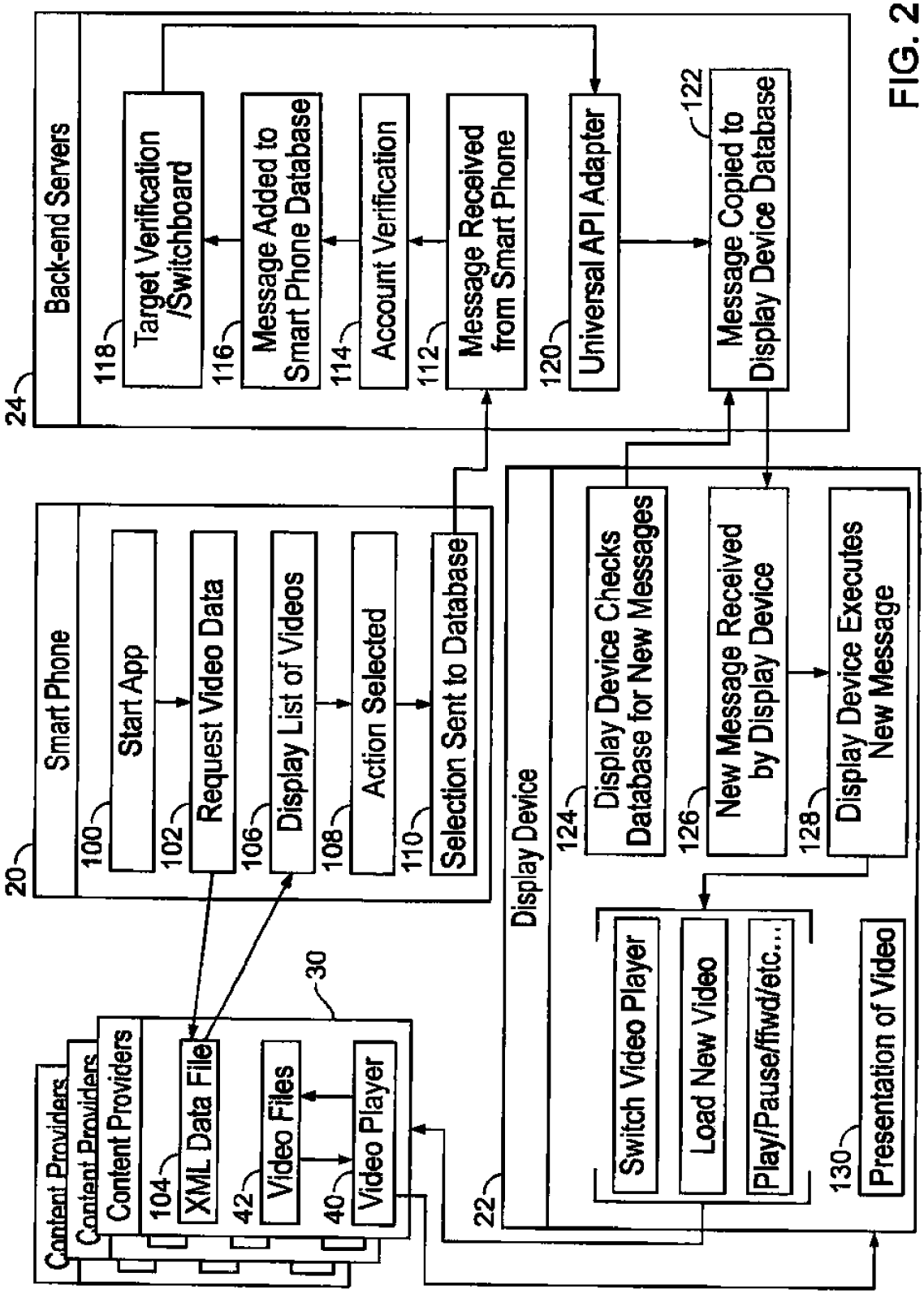

Back-end Servers
24
118
Target Verification /Switchboard
116
Message Added to Smart Phone Database
114
Account Verification
112
Message Received from Smart Phone
120
Universal API Adapter
122
Message Copied to Display Device Database
Smart Phone
20
100
Start App
102
Request Video Data
106
Display List of Videos
108
Action Selected
110
Selection Sent to Database
Display Device
22
124
Display Device Checks Database for New Messages
126
New Message Received by Display Device
128
Display Device Executes New Message
Switch Video Player
Load New Video
Play/Pause/ffwd/etc...
130
Presentation of Video
30
Content Providers
Content Providers
Content Providers
104
XML Data File
42
Video Files
40
Video Player

FIG. 2

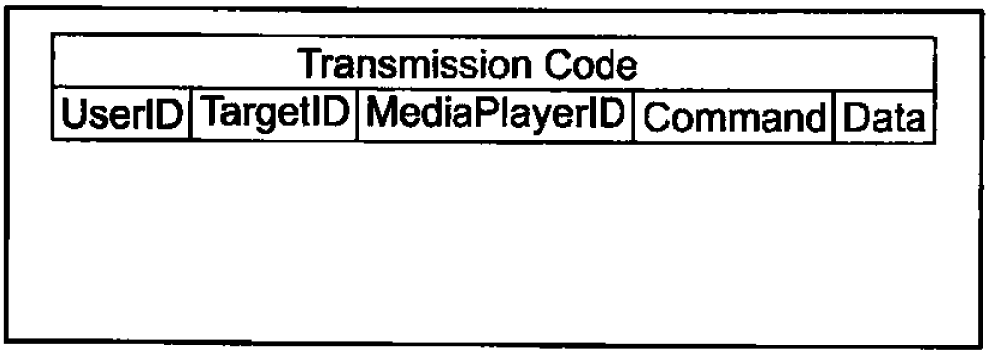


FIG. 3

Single Connection Look-up Table	
Display Device	User - Smartphone
2	A
1	C
3	D
4	B

FIG. 4

26

Universal API Adapter		
Universal Command	MediaPlayerID	Specific Player Command
New Video	YouTube	yt_loadVideo
	Ted.com	getVideo
	Vimeo	loadNewVideo
Pause	YouTube	yt_pauseVideo
	Ted.com	pauseVideo
	Vimeo	pause

FIG. 5

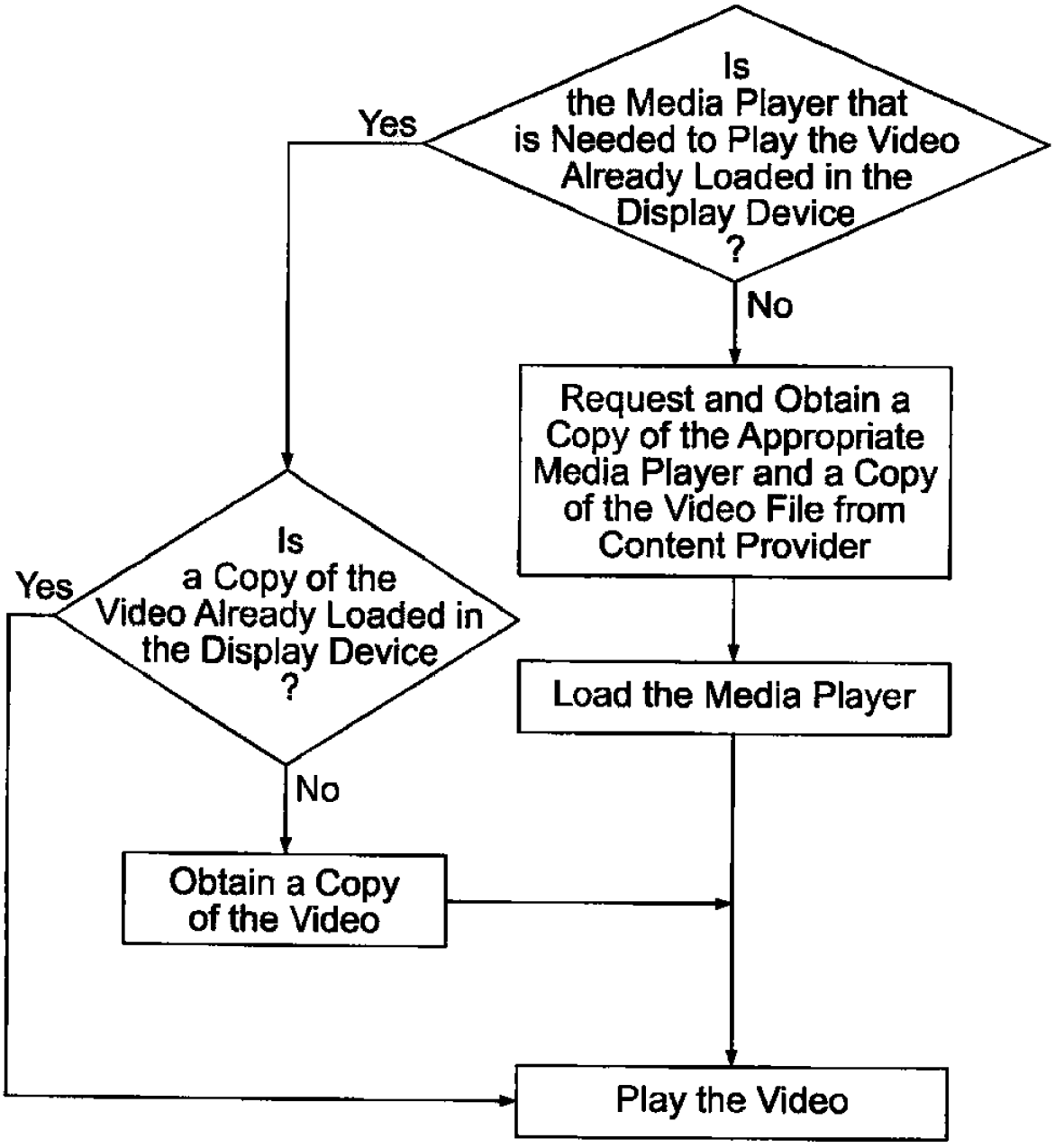

Is the Media Player that is Needed to Play the Video Already Loaded in the Display Device ?
Yes
No
Request and Obtain a Copy of the Appropriate Media Player and a Copy of the Video File from Content Provider
Load the Media Player
Is a Copy of the Video Already Loaded in the Display Device ?
Yes
No
Obtain a Copy of the Video
Play the Video

FIG. 6

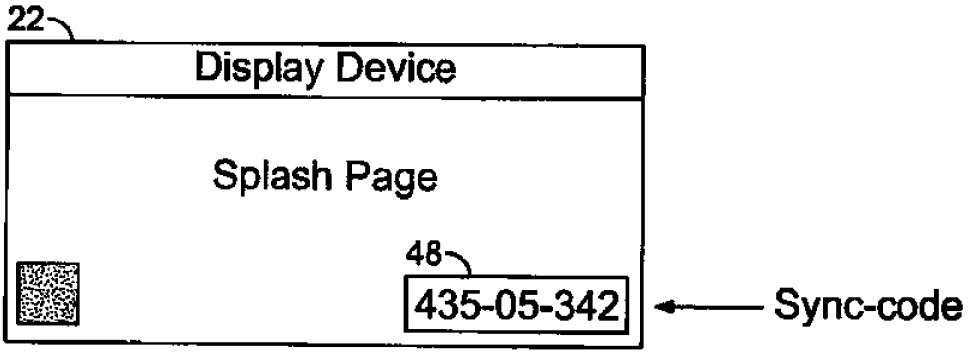


FIG. 7A

Sync-code Look-up Table		
IP Address	Cookie	Sync-code
169.343.231.234	erjg988dhuj	435-05-342

FIG. 7B

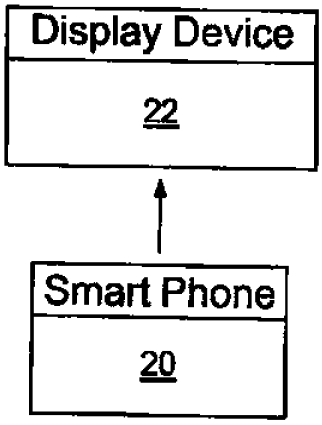
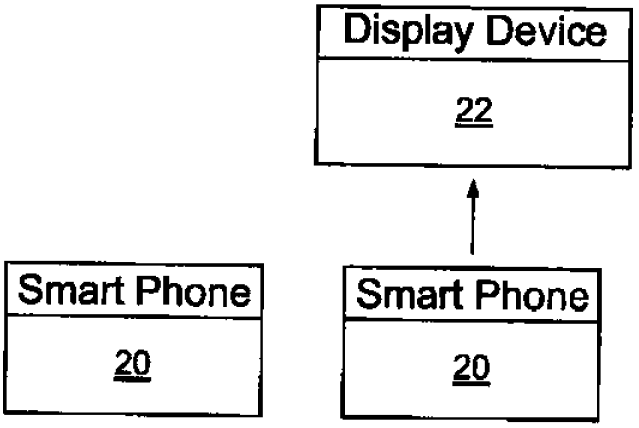


FIG. 8



(A) (B)

FIG. 9

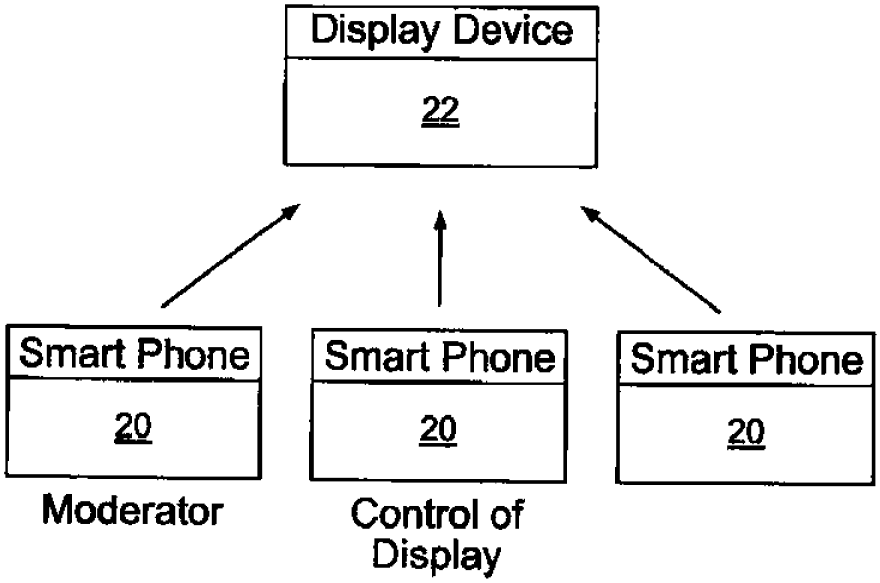

Display Device
22
Smart Phone
20
Moderator
Smart Phone
20
Control of Display
Smart Phone
20

FIG. 10

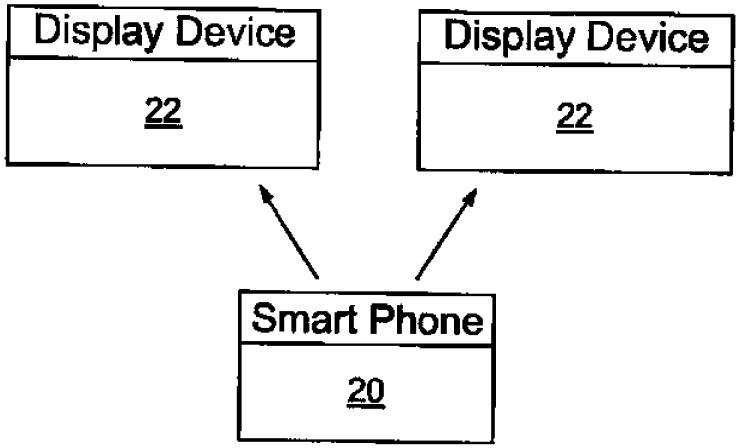

Display Device
22
Display Device
22
Smart Phone
20

FIG. 11

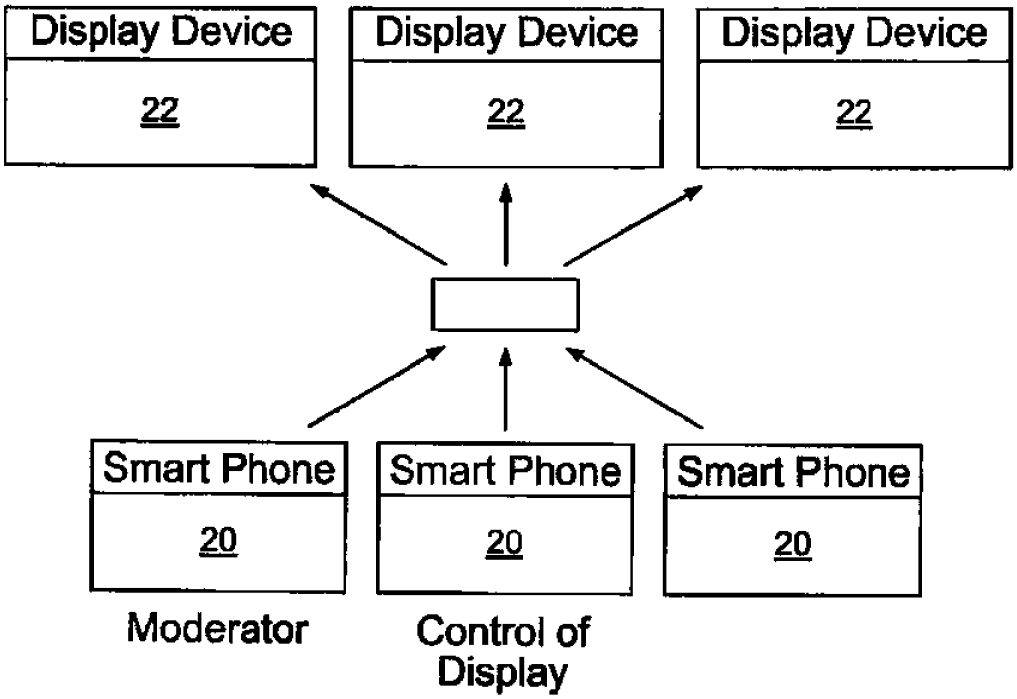

Display Device
22
Display Device
22
Display Device
22
Smart Phone
20
Smart Phone
20
Smart Phone
20
Moderator
Control of Display

FIG. 12

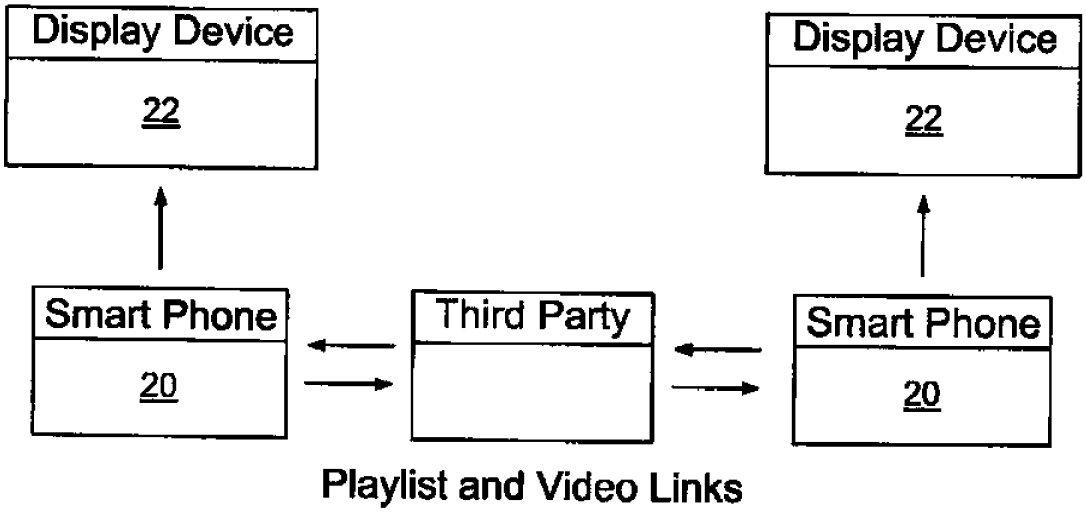

Display Device
22
Display Device
22
Smart Phone
20
Third Party
Smart Phone
20
Playlist and Video Links

FIG. 13

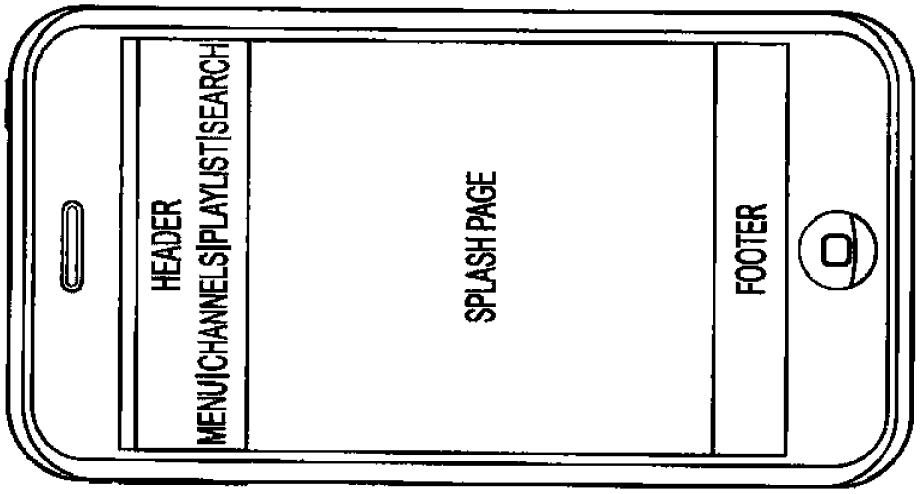


FIG. 14A

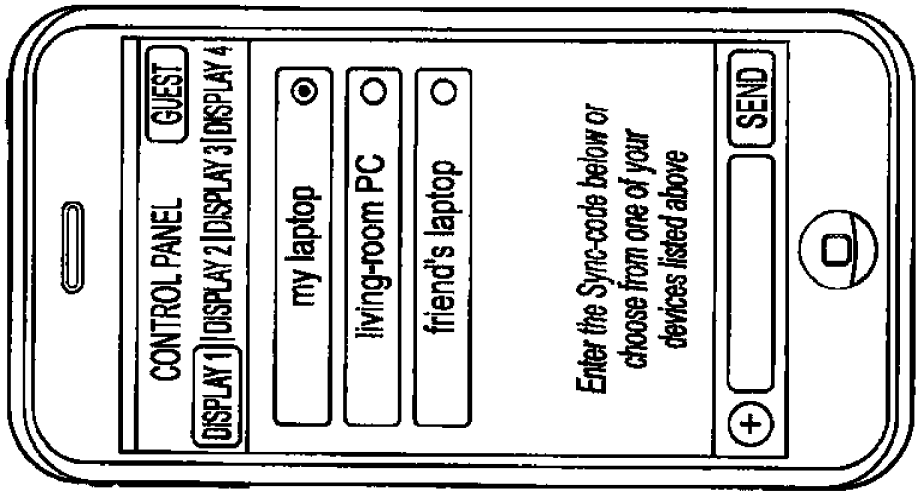


FIG. 14B

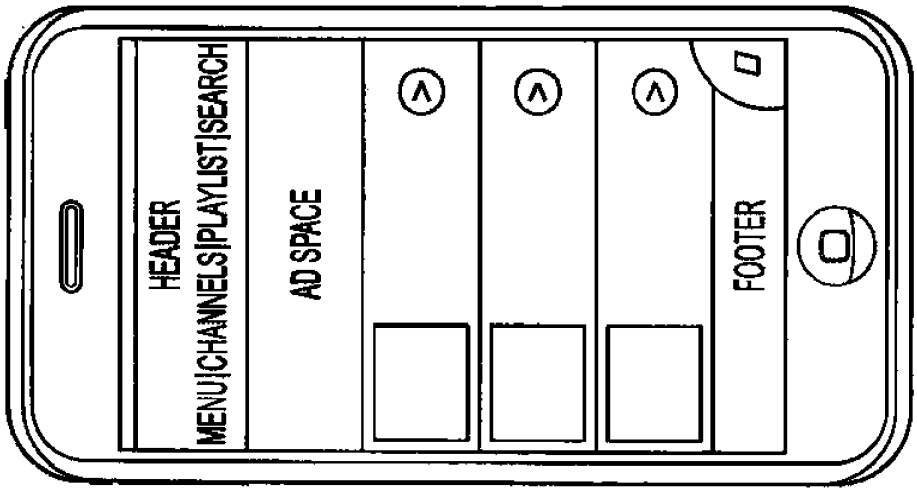


FIG. 14C

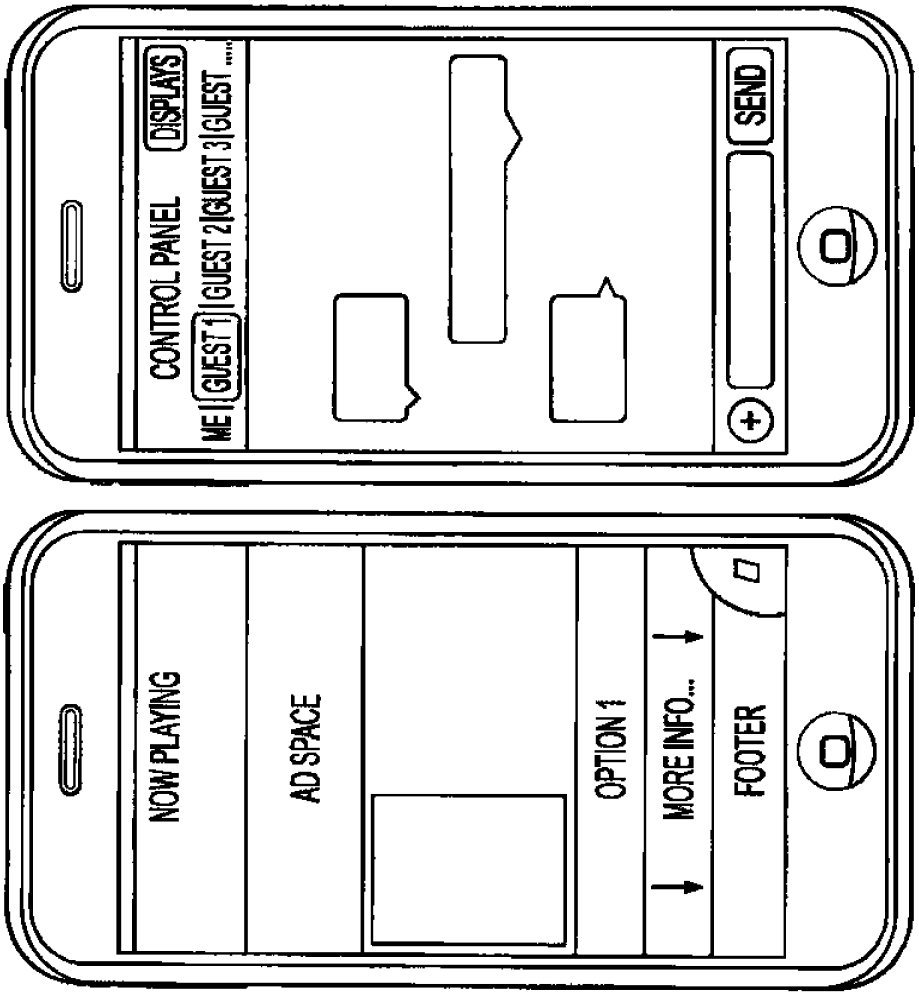


FIG. 14D

FIG. 14E

Group Connection Look-up Table		
Display Device	Group	User - Smartphone
2	X	A",C*,D
1,3	Y	B"*,E

" = Group Moderator,
* = Control of Display Device

FIG. 15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	:
Serial No.	:	Examiner	:
Filed	: September 26, 2011		
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the references listed on the enclosed PTO-1449 form.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 13/157,821, filed on June 10, 2011. All of the cited references were submitted to and/or cited by the Office in the prior application and, therefore, copies are not provided in this application.

This statement is being filed with the application. Please apply any necessary charges or credits to Deposit Account 06 1050, referencing the above attorney docket number.

Respectfully submitted,

Date: September 26, 2011

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	:
Serial No.	:	Examiner	:
Filed	: September 26, 2011		
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Respectfully submitted,

Date: September 26, 2011

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Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	7058356	06/06/2006	Slotznick			
	2	7835505	11/16/2010	Toyama et al.			
	3	7849485	12/07/2010	Paik et al.			
	4	2006/0083194	04/20/2006	Dhrimaj et al.			
	5	2006/0203758	09/14/2006	King Tee et al.			
	6	2007/0202923	08/30/2007	Jung et al.			
	7	2008/0155600	06/26/2008	Klappert et al.			
	8	2009/0228919	09/10/2009	Zott et al.			
	9	2010/0137028	06/03/2010	Farris et al.			
	10	2010/0205628	08/12/2010	Davis et al.			
	11	2011/0030020	02/03/2011	Halttunen			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12	CN101534449	09/16/2009	China				
	13	CN101577650	11/11/2009	China				
	14	CN101778198	07/14/2010	China				
	15	CN101815073	08/25/2010	China				
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	Hachman, M., "Snapstick's Media Streaming App/Box: Hands On," www.pcmag.com/article2/0,2817,2375455,00.asp, 2 pages, (January 8, 2011).
	18	Dolcourt, J., CES: Snapstick takes on Apple TV, Google TV," http://news.cnet.com/8301-17938_105-20025100-1.html, 3 pages, (December 9, 2010).
	19	Shaivitz, M., "The Web to Your TV, With a Flick of a Wrist? Slapstick Says Yes," http://techcocktail.com/the-web-to-our-tv-with-a-flick-of-a-wrist-slapstick-says-yes-2010-12, 2 pages, (December 10, 2010).
	20	Snapstick – Home, "Snapstick," http://www.snapstick.com/, 2 pages, printed on 3/2/2011.

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant David Strober	
(37 CFR §1.98(b))		Filing Date September 26, 2011	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	21	Paul, I., Hands On: YouTube Leanback, PCWORLD, http://www.pcworld.com/article/200769/hands_on_youtube_leanback.html, 3 pages, (July 9, 2010).
	22	Using AirPlay, Article HT4437, http://support.apple.com/kb/HT4437, 3 pages, (April 18, 2011).
	23	Cheng, J., "Stream AirPlay video to regular TV? Apple might make it happen," http://arstechnica.com/apple/news/2011/03/stream-airplay-video-to-a-regular-tv-apple-migh..., 1 page, printed on 6/7/2011.
	24	"Using the Play To feature to stream media," http://windows.microsoft.com/en-US/windows7/using-the-play-to-feature-to-stream-media, 3 pages, printed on 6/7/2011.
	25	"YouTube – Leanback," http://www.youtube.com/t/leanback, 1 page, printed on 6/7/2011.
	26	"Yahoo!7 TV Guide for iPhone, iPod touch and iPad on the iTunes App Store," http://itunes.apple.com/au/app/yahoo-7-tv-guide/id42471992?mt=8, 2 pages, printed on 6/7/2011.
	27	Hu, C., et al., "Mobile Media Content Sharing in UPnP-Based Home Network Environment," Journal of Information Science and Engineering 24, 1753-1769. (2008).
	28	Fallahkhair, S., et al., "Dual Device User interface Design for Ubiquitous Language Learning: Mobile Phone and Interactive Television (iTV)," Proceedings of the 2005 IEEE Int'l Workshop on Wireless an Mobile Technologies in Education, 8 pages, 2005.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

Electronic Patent Application Fee Transmittal	
Application Number:	
Filing Date:	
Title of Invention:	Play Control of Content on a Display Device
First Named Inventor/Applicant Name:	David Strober
Filer:	Samuel Borodach/Gina Maldonado
Attorney Docket Number:	30160-0002002
Filed as Small Entity	

Track I Prioritized Examination - Nonprovisional Application under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	95	95
Utility Search Fee	2111	1	310	310
Utility Examination Fee	2311	1	125	125
Request for Prioritized Examination	2817	1	2400	2400
Pages:				
Claims:				
Claims in excess of 20	2202	7	30	210
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Publ. Fee- early, voluntary, or normal	1504	1	300	300
Processing Fee, except for Provis. apps	1808	1	130	130
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**3570**

Electronic Acknowledgement Receipt	
EFS ID:	11045552
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	Play Control of Content on a Display Device
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Denise Siede
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	26-SEP-2011
Filing Date:	
Time Stamp:	11:00:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$3570
RAM confirmation Number	20018
Deposit Account	061050
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	TrackOne Request	30160-0002002TRACK1_Request.pdf	134205 bd9e1c527dbd8cbd70cfc6eab7f4309acb95aa4e	no	2
Warnings:					
Information:					
2	Application Data Sheet	30160-0002002ADS.pdf	1030950 c9a2346a365ebe44225c47e968fde8a3a90a7bbd	no	4
Warnings:					
Information:					
3	Transmittal of New Application	30160-0002002TRL.pdf	81372 bd727c5f54582c922336fe1edf5e753266bb0427	no	2
Warnings:					
Information:					
4	Oath or Declaration filed	30160-0002002DecPOA.pdf	47633 b522af58d9382ef57a424d3649779f60dea340fd	no	2
Warnings:					
Information:					
5		30160-0002002ContAppln.pdf	152904 01c8e53d6ddabd850de9597450c963853d43ab33	yes	23

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	16
Claims	17	22
Abstract	23	23

Warnings:					
Information:					
6	Drawings-only black and white line drawings	30160-0002002DRWS.pdf	103139 644357b300968b698353705540d887b13aa73872	no	9
Warnings:					
Information:					
7	Transmittal Letter	30160-0002002IDS.pdf	37420 a6c13c72a1ce605862d20b3e5b8195b797f8e761	no	1
Warnings:					
Information:					

8	Information Disclosure Statement (IDS) Form (SB08)	30160-0002002PTOform1449.pdf	87873 6b4f5fc74096746962367351bac100b38c2c6418	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
9	Fee Worksheet (SB06)	fee-info.pdf	41277 fe546b57ede2df32485aaed8862fa34daf25fb05	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1716773		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/SB/424 (09-11)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION (TRACK I) (Page 1 of 1)

First Named Inventor:	David Strober	Nonprovisional Application Number (if known):	
Title of Invention:	Play Control of Content on a Display Device		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION (TRACK I) FOR THE ABOVE-IDENTIFIED APPLICATION.

1. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

   OR

   (b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper. (Note: Plant applications cannot be filed via EFS-Web.)

   Note: The following are excluded from the Track I program: design applications, provisional applications, national stage applications, PCT international applications, reissue applications, and reexamination proceedings.

2. The following fees (in amounts consistent with the current fee schedule available at http://www.uspto.gov/about/offices/cfo/finance/fees.jsp) are filed with the application: (1) basic filing fee; (2) search fee; (3) examination fee; (4) any required excess claims fees; (5) any required application size fee; (6) publication fee; (7) processing fee (Track I) set forth in 37 CFR 1.17(i); and (8) prioritized examination fee (Track I) set forth in 37 CFR 1.17(c).

3. An executed oath or declaration under 37 CFR 1.63 is filed with the application.

4. The application contains or is amended to contain no more than four independent claims and no more than thirty total claims, and no multiple dependent claims.

Signature /Samuel Borodach/	Date 9/26/2011
Name (Print/Typed) Samuel Borodach	Practitioner Registration Number 38388

Note: *Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature. If necessary, submit multiple forms for more than one signature, see below*.*

☐ *Total of _____ forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/14 (11-08)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	30160-0002002
	Application Number	
Title of Invention	Play Control of Content on a Display Device	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1 Remove

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	David		Strober	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Rye	State/Province	NY	Country of Residence i	US

Citizenship under 37 CFR 1.41(b) i: US

Mailing Address of Applicant:

Address 1	6 Davis Avenue		
Address 2	#B22		
City	Rye	State/Province	NY
Postal Code	10580	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	26211		
Email Address	apsi@fr.com	Add Email	Remove Email

Application Information:

Title of the Invention	Play Control of Content on a Display Device		
Attorney Docket Number	30160-0002002	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	9	Suggested Figure for Publication (if any)	

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	30160-0002002
	Application Number	
Title of Invention	Play Control of Content on a Display Device	

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S. C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	26211		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status			Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	13157821	2011-06-10
Prior Application Status			Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13157821	non provisional of	61477998	2011-04-21

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

Remove

Application Number	Country [i]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			○ Yes ○ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

PTO/SB/14 (11-08)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	30160-0002002
	Application Number	
Title of Invention	Play Control of Content on a Display Device	

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1 Remove

If the Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information:

Address 1			
Address 2			
City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the **Add** button. Add

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Samuel Borodach/			Date (YYYY-MM-DD)	2011-09-26
First Name	Samuel	Last Name	Borodach	Registration Number	38388

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/245,001

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	95		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	310		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	125		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	27 minus 20=	* 7	x 30 =	210	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 125 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	740		TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))									
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE($)	ADDITIONAL FEE($)		RATE($)	ADDITIONAL FEE($)
Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))									
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
13/245,001	09/26/2011	2628	1040	30160-0002002	27	3

CONFIRMATION NO. 4575

26211
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

FILING RECEIPT

OC000000050258606

Date Mailed: 10/13/2011

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

David Strober, Rye, NY;

Power of Attorney: The patent practitioners associated with Customer Number 26211

Domestic Priority data as claimed by applicant

This application is a CON of 13/157,821 06/10/2011
which claims benefit of 61/477,998 04/21/2011

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If Required, Foreign Filing License Granted: 10/06/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/245,001**

Projected Publication Date: 10/25/2012

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****

Title

Play Control of Content on a Display Device

Preliminary Class

345

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Oct 13, 2011 05:23:22 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13245001	APP.FILE.REC	10/13/2011	30160-0002002

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

26211 7590 10/25/2011

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER	
ART UNIT	PAPER NUMBER
2173	

NOTIFICATION DATE	DELIVERY MODE
10/25/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

Doc Code: TRACK1.GRANT

Decision Granting Request for Prioritized Examination (Track I)	Application No.: 13245001

1. THE REQUEST FILED September 26, 2011 IS **GRANTED**.

   The above-identified application has met the requirements for prioritized examination (Track I).

2. **The above-identified application will undergo prioritized examination.** The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

   A. filing a **petition for extension of time** to extend the time period for filing a reply;

   B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims**, or a multiple dependent claim;

   C. filing a **request for continued examination**;

   D. filing a notice of appeal;

   E. filing a request for suspension of action;

   F. mailing of a notice of allowance;

   G. mailing of a final Office action;

   H. completion of examination as defined in 37 CFR 41.102; or

   I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to Kakali Chaki at (571-272-3719), Mondays through Fridays. In her absence, calls may be directed to Mano Padmanabhan, at (571)272-4210.

/Kakali Chaki/

Supervisory Patent Examiner, TC 2100

To: PATDOCTC@fr.com,,
From: PAIR_eOfficeAction@uspto.gov
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Oct 28, 2011 05:29:46 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13245001	TRACK1.GRANT	10/25/2011	30160-0002002

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

26211 7590 12/08/2011
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER	
HEFFINGTON, JOHN M	
ART UNIT	PAPER NUMBER
2172	

NOTIFICATION DATE	DELIVERY MODE
12/08/2011	ELECTRONIC

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Office Action Summary	Application No.	Applicant(s)	
	13/245,001	STROBER, DAVID	
	Examiner	Art Unit	
	JOHN HEFFINGTON	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 September 2011*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-27* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-27* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on *26 September 2011* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *9/26/11*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This action is in response to the original filing dated 26 September 2011. Claims 1-27 are pending and have been considered below.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 12-21 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 12-21 are drawn to a system. The claimed system does not exclude a system composed entirely of software. Software per se is none of a process, machine, manufacture or composition of matter, and, therefore is not a statutory category of invention.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10, 12-26 are rejected under 35 U.S.C. 102(e) as being anticiptated by Schwartz et al. (US 2011/00600998 A1).

Claim 1. Schwartz discloses a machine-implemented method of controlling presentation of video content on a display device, the method comprising:

a. receiving, in a server system, one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content (paragraph 0095 [In an embodiment, the application 10 may be a self-contained software application for a personal computer, a laptop personal computer, a PDA, a mobile phone and/or another computing device which is capable of running software applications.], paragraph 0097 [The media content may be and/or may have image content, audio content, video content and/or the like.], paragraph 0114 [The application 10 may have a media server component 100 which may transfer the media content to one or more of the media destinations 21,22,23 in the network 20.], paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.], paragraph 0156 [The media capabilities

of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]),

b. the one or more signals further including a command for controlling the presentation of the video content on the display device (paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.]),

c. converting, by the server system, the command into corresponding programming code used by the display device to control the media player (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]); and

d. storing, in a database associated with the server system, a message for transmission to or retrieval by the display device (paragraph 0156 [One or more of the media destinations may be, for example, a media library, a local media server and/or a media storage device

to which the media content object may be downloaded, copied and/or stored. The media library may be associated with a media player and/or a media management application. The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]), wherein

e. the message specifies the video file to be acted upon, identifies the media player for playing the video content (paragraph 0156 [One or more of the media destinations may be, for example, a media library, a local media server and/or a media storage device to which the media content object may be downloaded, copied and/or stored. The media library may be associated with a media player and/or a media management application. The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]), and

f. includes the corresponding programming code used by the display device to control the media player in accordance with the command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be

reformatted, and/or may be repurposed for transfer to the portable media playback device.], paragraph 0271 [As generally shown at step 725, the application 10 may determine a subset of the identified media content objects which may be suitable for transmittal to and/or rendering by the selected media destination. For example, the application 10 may use user preferences, user input, properties of the identified media content objects and/or the media capabilities of the media destinations to determine the subset of the identified media content objects which may be suitable for transmittal to and/or rendering by the selected media destination.]).

Claim 2. Schwartz discloses the method of claim 1 and Schwartz further discloses:

a. checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]);

b. loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player (paragraph 0120 [The

DDC component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices.]); and

c. converting the command from the personal computing device into a corresponding JavaScript code used by the display device to control the media player (paragraph 0141 [The scripts and/or the active objects may include, for example, JavaScript,]).

Claim 3. Schwartz discloses the method of claim 1 and Schwartz further discloses converting the command into corresponding programming code used by the display device to control the media player includes using information in a look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 4. Schwartz discloses the method of claim 3 and Schwartz further discloses the command contained in the one or more signals from the personal computing device is in

the form of a universal command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]), and wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 5. Schwartz discloses the method of claim 1 and Schwartz further discloses the command contained in the one or more signals from the personal computing device is in the form of a universal command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]), and wherein converting the command includes selecting from among a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities

database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 6. Schwartz discloses the method of claim 1 and Schwartz further discloses the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.]).

Claim 7. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is an interactive video game (paragraph 0100 [The media destinations 21,22,23 may be, for example, available rendering devices to which media content may be sent; ... a portable gaming device]).

Claim 8. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is streaming media (paragraph 0097 [The media content may be

and/or may have image content, audio content, video content and/or the like. … The media content sites may provide the media content to the application 10 using well-known internet delivery protocols, such as, for example, Hypertext Transfer Protocol ("HTTP"), Real Time Streaming Protocol ("RTSP"),]).

Claim 9. Schwartz discloses the method of claim 1 and Schwartz further discloses: receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played (paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]); and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code (paragraph 0036 [In an embodiment, the method has the step of displaying a visual representation for each of a plurality of rendering devices connected to the network wherein the terminal concurrently displays the first webpage, the first set of symbolic representations and the visual representation for each of the plurality of rendering devices.]).

Claim 10. Schwartz discloses the method of claim 9 and Schwartz further discloses the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device (paragraph 0120 [The DDC component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices. The other properties may be, for example, a manufacturer name, a model number, a description, a graphic representation, and/or like properties of the portable media playback devices.]).

Claim 12 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 1 and is rejected with the same rational. Schwartz further discloses a first database storing a relationship between a personal computing device and the display device (paragraph 0116 [devices. The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with

the associated media management application.]). Claims 13, 14, 15, 17, 18, 19, 20, 21 are similarly rejected with the same rational as claims 2, 4, 5, 6, 7, 8, 9, 10.

Claim 16. Schwartz discloses the system of claim 15 and Schwartz further discloses the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.], paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]).

Claim 23. Schwartz discloses an automated machine-implemented method of presenting video content on a display device, the method comprising:

a. retrieving, by the display device, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code used by the display device to control the first media player in accordance with a first command (paragraph 0095 [In an embodiment, the application 10 may be a self-contained software application for a personal computer, a laptop personal computer, a PDA, a mobile phone and/or another computing device which is capable of running software applications.], paragraph 0097 [The media content may be and/or may have image content, audio content, video content and/or the like.], paragraph 0114 [The application 10 may have a media server component 100 which may transfer the media content to one or more of the media destinations 21,22,23 in the network 20.], paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.], paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or

repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.], paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]);

b. obtaining, by the display device, over the Internet the first media player for playing the first video file, loading the first media player in the display device (paragraph 0004 [Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites.]);

c. executing the first command with respect to the first video file using the first media player (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be

transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]);

d. subsequently retrieving, by the display device, second information that specifies a second video file to be acted upon, that identifies a second media player for playing the second video file, and that indicates corresponding programming code used by the display device to control the second media player in accordance with a second command; obtaining, by the display device, over the Internet the second media player for playing the second video file; loading the second media player in the display device; and executing the second command with respect to the second video file using the second media player (paragraph 0204 [The controls presented in the workspace area may enable the user 40 to save the playlist, play and/or listen to music associated with the playlist using the device which hosts the application 10, and/or redirect the music associated with the playlist to a rendering device in the home network.], paragraph 0234 [FIG. 10 generally illustrates the symbolic representations 315 for the identified media content objects of webpage tabs 360 in an embodiment of the present invention. The symbolic representations 315 for the identified media content objects of the webpage tabs 360 may be displayed in the workspace area 325. As known to one having ordinary skill in the art, the webpage tabs 360 may

enable the webpages corresponding to the webpage tabs 360 to be open simultaneously in the user interface 300.]).

Claim 24. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a television set with a display screen (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions,]).

Claim 25. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a laptop or personal computer (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions, personal computers,]).

Claim 26. Schwartz discloses the method of claim 23 and Schwartz further discloses each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file (paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or

other playback controls known to one having ordinary skill in the art.]).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 11, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1) in view of www.vbulletin.com (Best way to generate Random, Unique Session ID's), hereinafter referred to as vbulletin.

Claim 11. Schwartz discloses the method of claim 9 and Schwartz further discloses "In an embodiment, the method has the step of displaying page selection controls which indicate that multiple webpages are available in a current web browsing session wherein the page selection controls enable the user to select any of the multiple webpages for display and further wherein one or more of the symbolic representations depict additional media content objects associated with a second webpage which is one of the multiple webpages wherein the second webpage is a different webpage than the first webpage." (paragraph 0064). Schwartz does not disclose assigning a

randomly generated code to the display device each time the display device connects to the server system, as disclosed in the claims. However, in the same field of invention, vbulletin discloses “Best way to generate Random, Unique Session ID’s” (title). Therefore, considering the teachings of Schwartz and vbullettin, it would have been obvious to one having ordinary skill in the art at the time of the invention to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz. One would have been motivated to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz to ensure that each user is assigned a unique session ID such that there is no conflicting user sessions from different users.

Claim 22 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 11 and is rejected with the same rational.

6. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1).

Claim 27. Schwartz discloses the method of claim 23, but Schwartz does not disclose the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the

media player over the Internet, as disclosed in the claims. However, Schwartz discloses "Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites." (paragraph 0004), "The internal list may include portable media playback devices which are not currently connected to and/or available to the application 10. For example, the internal list may include portable media playback devices which have previously been connected to the application 10, which have been configured by the user 40, and/or which are otherwise known to the application 10." (paragraph 0121). Therefore, considering the teachings of Schwartz, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet to the teachings of Schwartz. One would have been motivated to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media

player over the Internet to the teachings of Schwartz in order to provide users with a convenient means to access internet media content.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN HEFFINGTON whose telephone number is (571)270-1696. The examiner can normally be reached on 8:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boris M. Pesin can be reached on 571-272-4070. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMH
11/20/11
/Boris Pesin/

Supervisory Patent Examiner, Art Unit 2172

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
	Examiner JOHN HEFFINGTON	Art Unit 2172	Page 1 of 3

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*	B	US-2002/0120666 A1	08-2002	Landsman et al.	709/200
*	C	US-2002/0129102 A1	09-2002	Landsman et al.	709/203
*	D	US-2002/0133518 A1	09-2002	Landsman et al.	707/513
*	E	US-2002/0198778 A1	12-2002	Landsman et al.	705/14
*	F	US-2003/0004804 A1	01-2003	Landsman et al.	705/14
*	G	US-2003/0005000 A1	01-2003	Landsman et al.	707/513
*	H	US-2003/0018885 A1	01-2003	Landsman et al.	713/2
*	I	US-2003/0023488 A1	01-2003	Landsman et al.	705/14
*	J	US-2003/0028565 A1	02-2003	Landsman et al.	707/513
*	K	US-2003/0193520 A1	10-2003	Oetzel, Kenneth G.	345/723
*	L	US-2004/0088728 A1	05-2004	Shimizu, Seiya	725/089
*	M	US-2005/0144305 A1	06-2005	Fegan et al.	709/231

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	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Ask Search Internet Search, session identifier random
	V	Webopedia computer dictionary, session cookie
	W	Webopedia computer dictionary, web identifier
	X	Webopedia computer dictionary, user session

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
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*	A	US-2006/0098624 A1	05-2006	Morgan et al.	370/352
*	B	US-2006/0101098 A1	05-2006	Morgan et al.	707/204
*	C	US-2007/0094408 A1	04-2007	Gundla et al.	709/231
*	D	US-2008/0008439 A1	01-2008	Liu et al.	386/046
*	E	US-2008/0028037 A1	01-2008	Moyer et al.	709/217
*	F	US-7,330,875 B1	02-2008	Parasnis et al.	709/204
*	G	US-2008/0126943 A1	05-2008	Parasnis et al.	715/730
*	H	US-7,424,718 B2	09-2008	Dutton, Faron	719/318
*	I	US-2008/0267369 A1	10-2008	Parlamas et al.	379/93.01
*	J	US-2008/0270881 A1	10-2008	Meyer et al.	715/202
*	K	US-7,440,972 B2	10-2008	Oetzel, Kenneth G.	386/252
*	L	US-7,769,827 B2	08-2010	Girouard et al.	709/219
*	M	US-2010/0265939 A1	10-2010	Parlamas et al.	370/352

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	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	www.vbulletin.com, Best way to generate Random, Unique ID's
	V	www.vbulletin.com, Best way to generate Random, Unique ID's, Internet Archive Wayback Machine, January 16, 2009
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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*	A	US-2010/0281042 A1	11-2010	Windes et al.	707/756
*	B	US-2011/0060998 A1	03-2011	Schwartz et al.	715/738
*	C	US-2011/0090898 A1	04-2011	Patel et al.	370/352
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*	E	US-2011/0138354 A1	06-2011	HERTENSTEIN et al.	717/115
*	F	US-2011/0214148 A1	09-2011	Gossweiler et al.	725/46
*	G	US-2011/0231265 A1	09-2011	Brown et al.	705/14.73
*	H	US-2011/0231566 A1	09-2011	Gelter et al.	709/231
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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	V	
	W	
	X	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

SEARCHED			
Class	Subclass	Date	Examiner
715	716	10/20/11	JMH

SEARCH NOTES		
Search Notes	Date	Examiner
EAST Search	11/08/11 - 11/20/11	JMH
Text Search 715/716		

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18559	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:50
S2	447	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:51
S3	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:52
S4	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media)) not (strober).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:55
S5	2	"20110138354".pn. and ((video file) same source)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:16
S6	2	"20110138354".pn. and ((mashup application) same video)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:45
S7	2	"20110138354".pn. and ((mashup application) same (video file))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:46

S8	1	"20110060998".pn. and ((player or application) with compatib$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 16:33
S9	0	"20110060998".pn. and (library same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S10	1	"20110060998".pn. and (library and message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S11	0	"20110060998".pn. and (library same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S12	0	"20110060998".pn. and (library same3 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S13	0	"20110060998".pn. and (library same4 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S14	1	"20110060998".pn. and (library same5 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S15	1	"20110060998".pn. and (library same5 server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:00
S16	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:02
S17	2	"20110060998".pn. and (media with content with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:13

S18	2	"20110060998".pn. and (media content object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:16
S19	0	"20110060998".pn. and ((media content object) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S20	1	"20110060998".pn. and ((media content object) same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S21	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:19
S22	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5) same play$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:05
S23	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:15
S24	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:30
S25	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4 or capabilities))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:31
S26	1	"20110060998".pn. and ((media content object) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:57
S27	1	"20110060998".pn. and ((media content) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:59

S28	1	"20110060998".pn. and (((media content) or list) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:21
S29	0	"20110060998".pn. and ((playlist) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S30	0	"20110060998".pn. and ((playlist) same property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S31	1	"20110060998".pn. and ((playlist))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S32	1	"20110060998".pn. and ((playlist) with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:25
S33	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 08:45
S34	0	"20110060998".pn. and (database with (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:18
S35	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:19
S36	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20
S37	1	"20110060998".pn. and (database and (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20

S38	1	"20110060998".pn. and (destination same (device or player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 10:30
S39	1	"20110060998".pn. and (destination with application)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:37
S40	1	"20110060998".pn. and ((media management application) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:58
S41	1	"20110060998".pn. and (server with destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 15:11
S42	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 10:56
S43	1	"20110060998".pn. and ((stor$3 or database or library) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:00
S44	1	"20110060998".pn. and ((compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:09
S45	1	"20110060998".pn. and ((message) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:10
S46	0	"20110060998".pn. and ((property) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17
S47	0	"20110060998".pn. and ((properties) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17

S48	1	"20110060998".pn. and ((property) same2 transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:18
S49	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:49
S50	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:01
S51	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:16
S52	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:32
S53	1	"20110060998".pn. and ((webpage or (web$1page) or (web page)) same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:07
S54	1	"20110060998".pn. and ("210" same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:23
S55	2	"20080086760".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:09
S56	467	((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:43
S57	468	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44

S58	0	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) with (reload or (re$1load) or reopen or (re$1open)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S59	47	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same (reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:47
S60	41	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same ((reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)) with player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:48
S61	0	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485")".PN"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:32
S62	22	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:33
S63	1726	715/716.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:35
S64	370	715/716.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:37

EAST Search History (Interference)

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following procedure. A **session-id** is obtained by taking an MD5 hash over 128- bits generated using one of Java's pseudo-**random** number generators (PRNG). ...
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ASP and Web **Session** Management

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python - Most secure way to generate a **random session ID** for a ...

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A crawl can be a duplicate of the last one. It happens about 25% of the time across 420,000,000 websites. FAQ

JAN

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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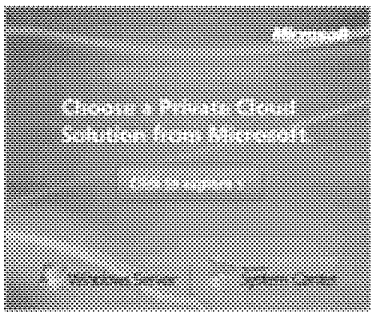

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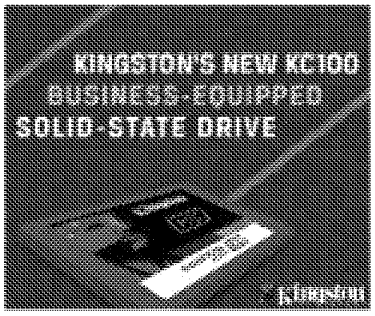

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session cookie

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Also called a *transient cookie*, a cookie that is erased when the user closes the Web browser. The session cookie is stored in temporary memory and is not retained after the browser is closed. Session cookies do not collect information from the user◆◆s computer. They typically will store information in the form of a session identification that does not personally identify the user.

Compare with *persistent cookie*.

Previous Term

Next Term

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cookie »

persistent cookie »

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returning sessions »

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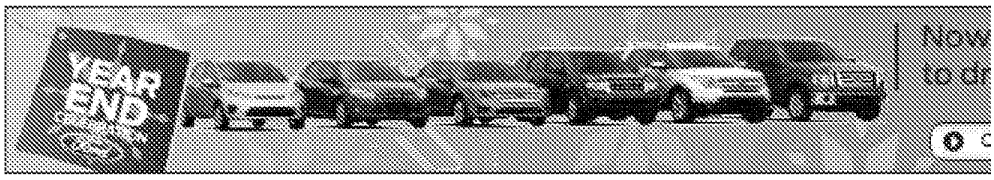

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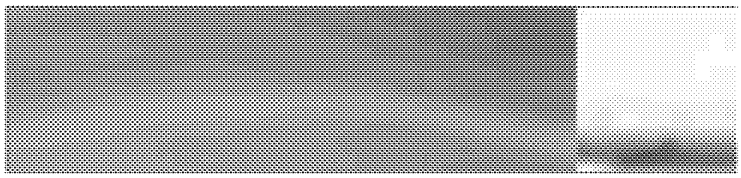

user session

Like 1 0 0

(1) The session of activity that a user with a unique IP address spends on a Web site during a specified period of time. The number of user sessions on a site is used in measuring the amount of traffic a Web site gets. The site administrator determines what the time frame of a user session will be (e.g., 30 minutes). If the visitor comes back to the site within that time period, it is still considered one user session because any number of visits within that 30 minutes will only count as one session. If the visitor returns to the site after the allotted time period has expired, say an hour from the initial visit, then it is counted as a separate user session.

Contrast with unique visitor, hit, click-through and page view, which are all other ways that site administrators measure the amount of traffic a Web site gets.

(2) The period of time a user interfaces with an application. The user session begins when the user accesses the application and ends when the user quits the application.

Previous Term Next Term

Related Terms

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session cookie »
returning sessions »
session controller »
WSP »
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View Full Version : Best way to generate Random, Unique Session ID's

Lorddraco98 Mon 2nd Dec '02, 9:08pm

i'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP??

Gamefreak Wed 4th Dec '02, 4:47pm

use the function uniqid(val$)

the val$ can be blank, but if you put something in there it will have that val$ in the id. After you do that, then put the result through md5(), it will give you good session ids.

Scott MacVicar Wed 4th Dec '02, 8:19pm

Originally posted by Lorddraco98
i'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP?? just try and shove as much random stuff into md5, i use the following

```
md5(uniqid(microtime()) . $_SERVER['REMOTE_ADDR'] . $_SERVER['HTTP_USER_AGENT']);
```

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	7058356	06/06/2006	Slotznick			
	2	7835505	11/16/2010	Toyama et al.			
	3	7849485	12/07/2010	Paik et al.			
	4	2006/0083194	04/20/2006	Dhrimaj et al.			
	5	2006/0203758	09/14/2006	King Tee et al.			
	6	2007/0202923	08/30/2007	Jung et al.			
	7	2008/0155600	06/26/2008	Klappert et al.			
	8	2009/0228919	09/10/2009	Zott et al.			
	9	2010/0137028	06/03/2010	Farris et al.			
	10	2010/0205628	08/12/2010	Davis et al.			
	11	2011/0030020	02/03/2011	Halttunen			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12	CN101534449	09/16/2009	China				
	13	CN101577650	11/11/2009	China				
	14	CN101778198	07/14/2010	China				
	15	CN101815073	08/25/2010	China				
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Other Documents (include Author, Title, Date, and Place of Publication)

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	17	Hachman, M., "Snapstick's Media Streaming App/Box: Hands On," www.pcmag.com/article2/0,2817,2375455,00.asp, 2 pages, (January 8, 2011).
	18	Dolcourt, J., CES: Snapstick takes on Apple TV, Google TV," http://news.cnet.com/8301-17938_105-20025100-1.html, 3 pages, (December 9, 2010).
	19	Shaivitz, M., "The Web to Your TV, With a Flick of a Wrist? Slapstick Says Yes," http://techcocktail.com/the-web-to-our-tv-with-a-flick-of-a-wrist-slapstick-says-yes-2010-12, 2 pages, (December 10, 2010).
	20	Snapstick – Home, "Snapstick," http://www.snapstick.com/, 2 pages, printed on 3/2/2011.

Examiner Signature /John Heffington/	Date Considered 11/20/2011

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Filing Date September 26, 2011	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)

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	21	Patel, I., Hands On: YouTube Leanback, PCWORLD, http://www.pcworld.com/article/200769/hands_on_youtube_leanback.html, 3 pages, (July 9, 2010).
	22	Using AirPlay, Article HT4437, http://support.apple.com/kb/HT4437, 3 pages, (April 18, 2011).
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	24	"Using the Play To feature to stream media," http://windows.microsoft.com/en-US/windows7/using-the-play-to-feature-to-stream-media, 3 pages, printed on 6/7/2011.
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Examiner Signature	/John Heffington/	Date Considered	11/20/2011

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	Filing Date June 10, 2011	Group Art Unit

U.S. Patent Documents

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	1	2002/0075332 A1	06/2002	Geilfuss et al.			
	2	2002/0120666 A1	08/2002	Landsman et al.			
	3	2002/0129102 A1	09/2002	Landsman et al.			
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	8	2003/0018885 a1	01/2003	Landsman et al			
	9	2003/0023488 a1	01/2003	Landsman et al			
	10	2003/0028565 a1	02/2003	Landsman et al			
	11	2003/0193520	10/2003	Oetzel, Kenneth G.			
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	13	2005/0144305	06/2005	Fegan et al.			
	14	2006/0098624 a1	05/2006	Morgan et al.			
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	20	2008/0126943 a1	05/2008	Parasnis et al.			
	21	7,424,718 b2	09/2008	Dutton, Faron			
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	23	2008/0270881 a1	10/2008	Meyer et al.			
	24	7,440,972 b2	10/2008	Oetzel, Kenneth G.			
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	41	Webopedia computer dictionary, session cookie, printed on 11/19/11.

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	43	Webopedia computer dictionary, user session, printed on 11/19/11.
	44	www.vbulletin.com. Best way to generate Random, Unique ID's, printed on 11/19/11.
	45	www.vbulletin.com. Best way to generate Random, Unique ID's, Internet Archive Wayback Machine, January 16, 2009.
	46	Official communication from the USPTO in Serial No. 13/245,001, dated December 8, 2011.
	47	U.S. Application No. 13/245,001, filed on September 26, 2011.

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following procedure. A **session-id** is obtained by taking an MD5 hash over 128-bits generated using one of Java's pseudo-**random** number generators (PRNG). ...
research.microsoft.com/pubs/64680/gm05.pdf

ASP and Web Session Management

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msdn.microsoft.com/en-us/library/ms972338.aspx

python - Most secure way to generate a random session ID for a ...

I'm writing my own **sessions** controller that issues a unique **id** to a user ... If the only information in the cookie is an **identifier**, essentially a label, ...
stackoverflow.com/questions/2541742/most-secure-way-to-...

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Compare with *persistent cookie*.

Previous Term

Next Term

Related Terms

cookie »

persistent cookie »

user session »

returning sessions »

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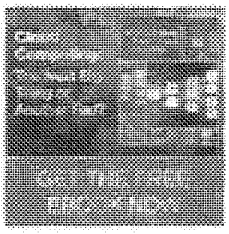

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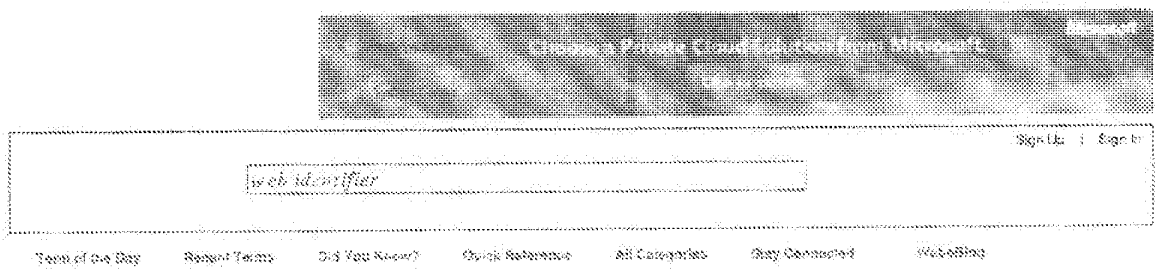
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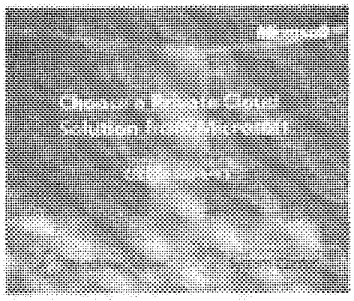

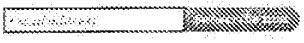

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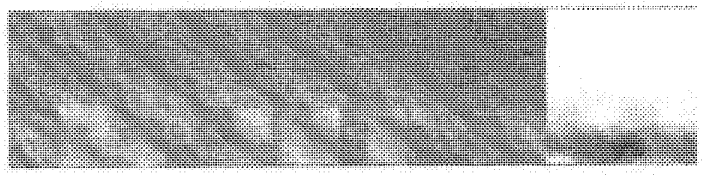

user session

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(1) The session of activity that a user with a unique IP address spends on a Web site during a specified period of time. The number of user sessions on a site is used in measuring the amount of traffic a Web site gets. The site administrator determines what the time frame of a user session will be (e.g., 30 minutes). If the visitor comes back to the site within that time period, it is still considered one user session because any number of visits within that 30 minutes will only count as one session. If the visitor returns to the site after the allotted time period has expired, say an hour from the initial visit, then it is counted as a separate user session.

Contrast with unique visitor, hit, click-through and page view, which are all other ways that site administrators measure the amount of traffic a Web site gets.

(2) The period of time a user interfaces with an application. The user session begins when the user accesses the application and ends when the user quits the application.

Previous Term Next Term

Related Terms

user »
session hijacking »
session cookie »
returning sessions »
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WSP »
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SDP »
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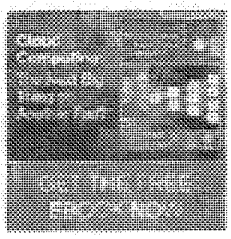

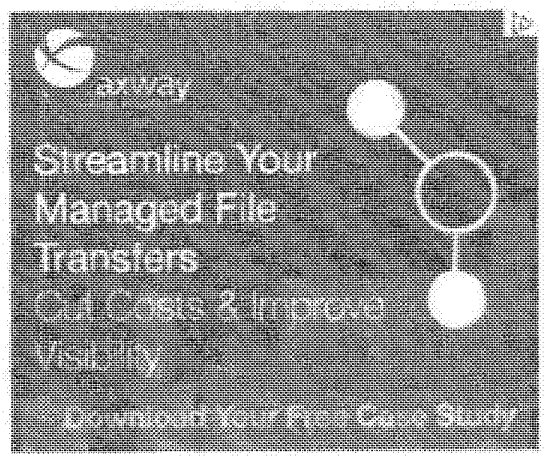

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View Full Version : Best way to generate Random, Unique Session ID's

Lorddraco98 Mon 2nd Dec '02, 9:08pm

I'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP??

Gamefreak Wed 4th Dec '02, 4:47pm

use the function uniqid(val$)

the val$ can be blank, but if you put something in there it will have that val$ in the id. After you do that, then put the result through md5(), it will give you good session ids.

Scott MacVicar Wed 4th Dec '02, 8:19pm

Originally posted by Lorddraco98
I'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP?? just try and shove as much random stuff into md5, I use the following

```
md5(uniqid(microtime()) . $_SERVER['REMOTE_ADDR'] . $_SERVER['HTTP_USER_AGENT']);
```

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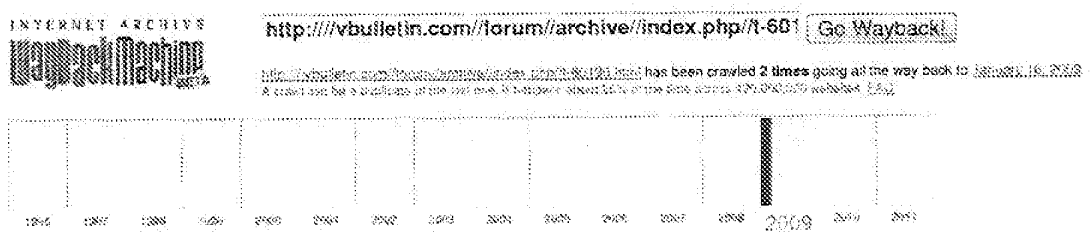

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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 September 2011*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-27* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-27* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on *26 September 2011* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *9/26/11*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This action is in response to the original filing dated 26 September 2011. Claims 1-27 are pending and have been considered below.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 12-21 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 12-21 are drawn to a system. The claimed system does not exclude a system composed entirely of software. Software per se is none of a process, machine, manufacture or composition of matter, and, therefore is not a statutory category of invention.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10, 12-26 are rejected under 35 U.S.C. 102(e) as being anticiptated by Schwartz et al. (US 2011/00600998 A1).

Claim 1. Schwartz discloses a machine-implemented method of controlling presentation of video content on a display device, the method comprising:

a. receiving, in a server system, one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content (paragraph 0095 [In an embodiment, the application 10 may be a self-contained software application for a personal computer, a laptop personal computer, a PDA, a mobile phone and/or another computing device which is capable of running software applications.], paragraph 0097 [The media content may be and/or may have image content, audio content, video content and/or the like.], paragraph 0114 [The application 10 may have a media server component 100 which may transfer the media content to one or more of the media destinations 21,22,23 in the network 20.], paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.], paragraph 0156 [The media capabilities

of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]),

b. the one or more signals further including a command for controlling the presentation of the video content on the display device (paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.]),

c. converting, by the server system, the command into corresponding programming code used by the display device to control the media player (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]); and

d. storing, in a database associated with the server system, a message for transmission to or retrieval by the display device (paragraph 0156 [One or more of the media destinations may be, for example, a media library, a local media server and/or a media storage device

to which the media content object may be downloaded, copied and/or stored. The media library may be associated with a media player and/or a media management application. The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]), wherein

e. the message specifies the video file to be acted upon, identifies the media player for playing the video content (paragraph 0156 [One or more of the media destinations may be, for example, a media library, a local media server and/or a media storage device to which the media content object may be downloaded, copied and/or stored. The media library may be associated with a media player and/or a media management application. The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]), and

f. includes the corresponding programming code used by the display device to control the media player in accordance with the command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be

reformatted, and/or may be repurposed for transfer to the portable media playback device.], paragraph 0271 [As generally shown at step 725, the application 10 may determine a subset of the identified media content objects which may be suitable for transmittal to and/or rendering by the selected media destination. For example, the application 10 may use user preferences, user input, properties of the identified media content objects and/or the media capabilities of the media destinations to determine the subset of the identified media content objects which may be suitable for transmittal to and/or rendering by the selected media destination.]).

Claim 2. Schwartz discloses the method of claim 1 and Schwartz further discloses:

a. checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]);

b. loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player (paragraph 0120 [The

DDC component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices.]); and

c. converting the command from the personal computing device into a corresponding JavaScript code used by the display device to control the media player (paragraph 0141 [The scripts and/or the active objects may include, for example, JavaScript,]).

Claim 3. Schwartz discloses the method of claim 1 and Schwartz further discloses converting the command into corresponding programming code used by the display device to control the media player includes using information in a look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 4. Schwartz discloses the method of claim 3 and Schwartz further discloses the command contained in the one or more signals from the personal computing device is in

the form of a universal command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]), and wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 5. Schwartz discloses the method of claim 1 and Schwartz further discloses the command contained in the one or more signals from the personal computing device is in the form of a universal command (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]), and wherein converting the command includes selecting from among a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities

database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 6. Schwartz discloses the method of claim 1 and Schwartz further discloses the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.]).

Claim 7. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is an interactive video game (paragraph 0100 [The media destinations 21,22,23 may be, for example, available rendering devices to which media content may be sent; ... a portable gaming device]).

Claim 8. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is streaming media (paragraph 0097 [The media content may be

and/or may have image content, audio content, video content and/or the like. … The media content sites may provide the media content to the application 10 using well-known internet delivery protocols, such as, for example, Hypertext Transfer Protocol ("HTTP"), Real Time Streaming Protocol ("RTSP"),]).

Claim 9. Schwartz discloses the method of claim 1 and Schwartz further discloses: receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played (paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]); and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code (paragraph 0036 [In an embodiment, the method has the step of displaying a visual representation for each of a plurality of rendering devices connected to the network wherein the terminal concurrently displays the first webpage, the first set of symbolic representations and the visual representation for each of the plurality of rendering devices.]).

Claim 10. Schwartz discloses the method of claim 9 and Schwartz further discloses the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device (paragraph 0120 [The DDC component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices. The other properties may be, for example, a manufacturer name, a model number, a description, a graphic representation, and/or like properties of the portable media playback devices.]).

Claim 12 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 1 and is rejected with the same rational. Schwartz further discloses a first database storing a relationship between a personal computing device and the display device (paragraph 0116 [devices. The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with

the associated media management application.]). Claims 13, 14, 15, 17, 18, 19, 20, 21 are similarly rejected with the same rational as claims 2, 4, 5, 6, 7, 8, 9, 10.

Claim 16. Schwartz discloses the system of claim 15 and Schwartz further discloses the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.], paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]).

Claim 23. Schwartz discloses an automated machine-implemented method of presenting video content on a display device, the method comprising:

a. retrieving, by the display device, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code used by the display device to control the first media player in accordance with a first command (paragraph 0095 [In an embodiment, the application 10 may be a self-contained software application for a personal computer, a laptop personal computer, a PDA, a mobile phone and/or another computing device which is capable of running software applications.], paragraph 0097 [The media content may be and/or may have image content, audio content, video content and/or the like.], paragraph 0114 [The application 10 may have a media server component 100 which may transfer the media content to one or more of the media destinations 21,22,23 in the network 20.], paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.], paragraph 0137 [The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or

repurposed internet media content. The request messages from the target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.], paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]);

b. obtaining, by the display device, over the Internet the first media player for playing the first video file, loading the first media player in the display device (paragraph 0004 [Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites.]);

c. executing the first command with respect to the first video file using the first media player (paragraph 0122 [As a result, the one or more media content objects may be requested, may be retrieved, may be

transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]);

d. subsequently retrieving, by the display device, second information that specifies a second video file to be acted upon, that identifies a second media player for playing the second video file, and that indicates corresponding programming code used by the display device to control the second media player in accordance with a second command; obtaining, by the display device, over the Internet the second media player for playing the second video file; loading the second media player in the display device; and executing the second command with respect to the second video file using the second media player (paragraph 0204 [The controls presented in the workspace area may enable the user 40 to save the playlist, play and/or listen to music associated with the playlist using the device which hosts the application 10, and/or redirect the music associated with the playlist to a rendering device in the home network.], paragraph 0234 [FIG. 10 generally illustrates the symbolic representations 315 for the identified media content objects of webpage tabs 360 in an embodiment of the present invention. The symbolic representations 315 for the identified media content objects of the webpage tabs 360 may be displayed in the workspace area 325. As known to one having ordinary skill in the art, the webpage tabs 360 may

enable the webpages corresponding to the webpage tabs 360 to be open simultaneously in the user interface 300.]).

Claim 24. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a television set with a display screen (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions,]).

Claim 25. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a laptop or personal computer (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions, personal computers,]).

Claim 26. Schwartz discloses the method of claim 23 and Schwartz further discloses each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file (paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or

other playback controls known to one having ordinary skill in the art.]).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 11, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1) in view of www.vbulletin.com (Best way to generate Random, Unique Session ID's), hereinafter referred to as vbulletin.

Claim 11. Schwartz discloses the method of claim 9 and Schwartz further discloses "In an embodiment, the method has the step of displaying page selection controls which indicate that multiple webpages are available in a current web browsing session wherein the page selection controls enable the user to select any of the multiple webpages for display and further wherein one or more of the symbolic representations depict additional media content objects associated with a second webpage which is one of the multiple webpages wherein the second webpage is a different webpage than the first webpage." (paragraph 0064). Schwartz does not disclose assigning a

randomly generated code to the display device each time the display device connects to the server system, as disclosed in the claims. However, in the same field of invention, vbulletin discloses “Best way to generate Random, Unique Session ID’s” (title). Therefore, considering the teachings of Schwartz and vbullettin, it would have been obvious to one having ordinary skill in the art at the time of the invention to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz. One would have been motivated to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz to ensure that each user is assigned a unique session ID such that there is no conflicting user sessions from different users.

Claim 22 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 11 and is rejected with the same rational.

6. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1).

Claim 27. Schwartz discloses the method of claim 23, but Schwartz does not disclose the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the

media player over the Internet, as disclosed in the claims. However, Schwartz discloses "Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites." (paragraph 0004), "The internal list may include portable media playback devices which are not currently connected to and/or available to the application 10. For example, the internal list may include portable media playback devices which have previously been connected to the application 10, which have been configured by the user 40, and/or which are otherwise known to the application 10." (paragraph 0121). Therefore, considering the teachings of Schwartz, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet to the teachings of Schwartz. One would have been motivated to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media

player over the Internet to the teachings of Schwartz in order to provide users with a convenient means to access internet media content.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN HEFFINGTON whose telephone number is (571)270-1696. The examiner can normally be reached on 8:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boris M. Pesin can be reached on 571-272-4070. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMH
11/20/11
/Boris Pesin/

Supervisory Patent Examiner, Art Unit 2172

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
	Examiner JOHN HEFFINGTON	Art Unit 2172	Page 1 of 3

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2002/0075332 A1	06-2002	GEILFUSS et al.	345/859
*	B	US-2002/0120666 A1	08-2002	Landsman et al.	709/200
*	C	US-2002/0129102 A1	09-2002	Landsman et al.	709/203
*	D	US-2002/0133518 A1	09-2002	Landsman et al.	707/513
*	E	US-2002/0198778 A1	12-2002	Landsman et al.	705/14
*	F	US-2003/0004804 A1	01-2003	Landsman et al.	705/14
*	G	US-2003/0005000 A1	01-2003	Landsman et al.	707/513
*	H	US-2003/0018885 A1	01-2003	Landsman et al.	713/2
*	I	US-2003/0023488 A1	01-2003	Landsman et al.	705/14
*	J	US-2003/0028565 A1	02-2003	Landsman et al.	707/513
*	K	US-2003/0193520 A1	10-2003	Oetzel, Kenneth G.	345/723
*	L	US-2004/0088728 A1	05-2004	Shimizu, Seiya	725/089
*	M	US-2005/0144305 A1	06-2005	Fegan et al.	709/231

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Ask Search Internet Search, session identifier random
	V	Webopedia computer dictionary, session cookie
	W	Webopedia computer dictionary, web identifier
	X	Webopedia computer dictionary, user session

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
	Examiner JOHN HEFFINGTON	Art Unit 2172	Page 2 of 3

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2006/0098624 A1	05-2006	Morgan et al.	370/352
*	B	US-2006/0101098 A1	05-2006	Morgan et al.	707/204
*	C	US-2007/0094408 A1	04-2007	Gundla et al.	709/231
*	D	US-2008/0008439 A1	01-2008	Liu et al.	386/046
*	E	US-2008/0028037 A1	01-2008	Moyer et al.	709/217
*	F	US-7,330,875 B1	02-2008	Parasnis et al.	709/204
*	G	US-2008/0126943 A1	05-2008	Parasnis et al.	715/730
*	H	US-7,424,718 B2	09-2008	Dutton, Faron	719/318
*	I	US-2008/0267369 A1	10-2008	Parlamas et al.	379/93.01
*	J	US-2008/0270881 A1	10-2008	Meyer et al.	715/202
*	K	US-7,440,972 B2	10-2008	Oetzel, Kenneth G.	386/252
*	L	US-7,769,827 B2	08-2010	Girouard et al.	709/219
*	M	US-2010/0265939 A1	10-2010	Parlamas et al.	370/352

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	www.vbulletin.com, Best way to generate Random, Unique ID's
	V	www.vbulletin.com, Best way to generate Random, Unique ID's, Internet Archive Wayback Machine, January 16, 2009
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
	Examiner JOHN HEFFINGTON	Art Unit 2172	Page 3 of 3

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2010/0281042 A1	11-2010	Windes et al.	707/756
*	B	US-2011/0060998 A1	03-2011	Schwartz et al.	715/738
*	C	US-2011/0090898 A1	04-2011	Patel et al.	370/352
*	D	US-2011/0107227 A1	05-2011	Rempell et al.	715/738
*	E	US-2011/0138354 A1	06-2011	HERTENSTEIN et al.	717/115
*	F	US-2011/0214148 A1	09-2011	Gossweiler et al.	725/46
*	G	US-2011/0231265 A1	09-2011	Brown et al.	705/14.73
*	H	US-2011/0231566 A1	09-2011	Gelter et al.	709/231
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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	2	7835505	11/16/2010	Toyama et al.			
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	12	CN101534449	09/16/2009	China				
	13	CN101577650	11/11/2009	China				
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Examiner Signature	/John Heffington/	Date Considered	11/20/2011

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

CROSS-REFERENCE TO RELATED APPLICATION(S)

This application is a continuation of U.S. Application No. 13/157,821, filed on June 10, 2011, which in turn claims the benefit of priority of U.S. Provisional Patent Application No. 61/477,998, filed on April 21, 2011.

BACKGROUND

This disclosure relates to play control of content on a display device. Such display devices include, for example, television displays used by consumers in their home for viewing videos and other media that are either provided from the Web or previously stored. In particular, the disclosure relates to the creation, storage, manipulation and access of media playlists used in conjunction with display devices and control of the display devices.

Web media often is played on computers rather than television displays. Although it is known to connect a computer to a television set in order to watch Web media, it is difficult to control such a system within the typical scenario for television watching where the viewer is positioned some distance from the television. Furthermore, although a wireless device can enable the user to control the television from a distance, it can be difficult to view a web browser display on the television set and may interfere with normal television program viewing by other persons.

Given the desire to watch various World Wide Web media on a family's primary television set, and to control this operation from the comfort of one's couch, there is a need to operate a television set or other display remotely from a personal computing device, such as a mobile phone. It also is desirable to allow a user to perform a general Web search to locate and capture Web media, and to control a television or other display remotely using the personal computing device.

SUMMARY

Various aspects of the invention are set forth in the claims.

For example, according to one aspect, a system for presenting and controlling content on a display device includes a network, a server system coupled to the network and comprising one or more servers, a display device coupled to the network and having a display, and a personal computing device operable to transmit a first message according to a specified format over the network to the server system. The server system stores an association between the personal computing device and the display device. The first message identifies user-selected content and a media player to play the content. The server system is operable, in response to receiving the first message from the personal computing device, to provide to the display device a second message identifying the user-selected content and the media player to play the content. In response to receiving the second message, the display device is operable to obtain a first media player needed to play the content, to load the media player and to present the content on the display.

In some implementations, the display device is operable, in response to receiving the second message, to obtain the first media player from the content provider only if the first media player is not already loaded in the display device.

In some implementations, the personal computing device is operable to transmit a message according to a specified format over the network to the server system. The message can include a command for controlling playing of the content on the display device. The server system is operable, in response to receiving the message, to convert the command into a corresponding command recognizable by the media player if the command received from the personal computing device is not recognizable by the media player. The server system is operable to provide to the display device a message that includes the corresponding command, and the display device is operable, in response to receiving the message from the server system, to execute the command.

In some implementations, the personal computing device is, for example, a mobile phone, and the display device is a television set. Other personal computing devices or display devices can be used in other implementations. The network can include, for example, the Internet.

In some implementations, the server system stores a look-up table that includes a synchronization code uniquely associated with the display device. A message from the personal computing device can include the synchronization code, and in response to

receiving the message from personal computing device, the server system can use the synchronization code and the look-up table to identify the display device on which the content is to be played. The synchronization code can be different from an IP address associated with the display device and/or a media access control address associated with the display device.

In various implementations, the system can facilitate allowing a personal computing device to be used to select different content to be played on a remote display even if different media players are required to present the different content. The system also can allow the user to control how the content is displayed on the display device using the personal computing device. For example, user-initiated play commands can be passed from the user's personal computing device, through the server system, to the display device.

Other aspects, features and advantages will be apparent from the following detailed description, the accompanying drawings, and the claims.

BRIEF DECSRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram illustrating an example of a system according to the invention.

FIG. 2 illustrates various details of the flow of information and signals according to some implementations.

FIG. 3 illustrates an example of a transmission code incorporated into a message from a personal computing device.

FIG. 4 illustrates an example of a look-up table that forms part of a server system.

FIG. 5 illustrates an example of entries in a universal API adapter.

FIG. 6 is a flow chart showing steps for display device to load a video player and video.

FIG. 7A illustrates an example of a display device including a synchronization code.

FIG. 7B illustrates an example of a synchronization code look-up table.

FIGS. 8-13 illustrate examples of various scenarios in which the invention can be used.

FIGS. 14A through 14E illustrate examples of display screens that may appear on a user's personal computing device in accordance with the invention.

FIG. 15 illustrates further information that can be stored in the look-up table in the server system.

DETAILED DESCRIPTION

As shown in FIG. 1, a system 10 facilitates synchronizing a connection between two or more devices 20, 22 connected to the Internet 21 or other computer network. The connection is designed to be made by a first device (e.g., a personal computing device) 20 that acts as a controller and a second device (e.g., a television set 22 with a display 23) that acts as a receiver to play content selected by a user of the first device and to respond to commands that originate at the personal computing device. The personal computing device 20 is operable to display an application or web site that contains information and links to content providers 30 on the Internet 21. The television set 22 is operable to link back to a server system 24 from which the television set receives commands. When a user makes a selection using the personal computing device 20 for particular content to be displayed on the television display 23, a signal is sent through the Internet (or other network) 21 to the server system 24. A corresponding command signal then is passed along to the connected television set 22, which acts on a transmission code contained within the signal and performs specified commands. For example, in some scenarios, the command instructs the television set 22 to access a content provider 30 through the Internet 21, load a specific media player, load the media player-specific content (e.g., a video) and play the content on the television display 23. The user can use the personal computing device 20 to control how the content is played on the television display 23. The user may subsequently visit the same or another Web site using the personal computing device 20 to select different content (e.g., a second video) to be played on the television display 23. In that case, another signal would be sent through the server system 24 to the television set 22. A transmission code associated with this command signal instructs the television set 22 to load a new media player (if needed) over the Internet and to load the specified video file to be played on the display 23. Thus, the system 10 allows a personal computing device 20 to be used to select different content to

be played on a remote display 23 even if different media players are required for the different content. The user also can control how the content is displayed (e.g., play, pause, stop, rewind, fast forward, etc.) on the display 23 using the personal computing device 20. The user-initiated play commands are passed from the user's personal computing device 20, through the server system 24, to the television set 22.

Although the following detailed discussion describes videos as an example of the type of content to be played on the display 23, the system 10 can be used for other types of content as well. Thus, depending on the implementation, the content may include one or more of the following: video, audio, interactive video game, streaming media, multimedia, images, slides (e.g., a PowerPoint presentation) or other types of dynamic content. Furthermore, in the following discussion, it is assumed that the personal computing device 20 is a mobile phone that includes a display, an internal microprocessor or other processing circuitry, a keypad, keyboard, touchscreen, mouse, trackball, or other device to receive user selections and other input, and a transceiver to establish communications to the Internet 21 or other communications networks. More generally, however, the personal computing device 20 can be any type of handheld or other Internet-enabled personal computing device, including personal computers, e-books, kiosks, tablets, smart phones, media players, and motion and touch sensory interfaces. In some cases, input from the user can be received in forms other than tactile input (e.g., acoustic or speech).

FIG. 2 illustrates further details of the flow of information and signals according to some implementations. The personal computing device (e.g., mobile phone) 20 is operable to display an application or web site that contains information and links to content providers 30 on the Internet 21. The user operates the mobile phone 20 so as to start the application or access the web site (block 100). In some implementations, a logo appears on the mobile phone's display. By selecting the logo, the user causes a menu to expand and present various options. The options can include, for example: (i) add new content to a playlist, (ii) play a listed item on a secondary device, (iii) play a listed item on the mobile phone 20. If the user selects to add new content to the playlist, the user is presented with a screen that allows him to enter user-defined search parameters or o select predefined search parameters to request video data. The search parameters are sent

from the mobile phone 20 as part of a request for video data that satisfy the search parameters (block 102). The request is transmitted via the Internet 21 and through the server system 24 to the appropriate content provider web site. In response, the content provider 30 provides metadata (e.g., titles, links to the videos) for one or more video files that satisfy the search parameters (block 104). The metadata can be provided to the mobile phone 20, for example, in the form of an XML data file. Upon receiving the data file, the mobile phone 20 displays a list of one or more videos based on the information received from the content provider 30 (block 106).

If desired, the user can take one of several actions, including selecting one of the videos from the displayed list to be played on the television display 23 or initiating a command with respect to a video that already has been loaded to the television set 22 (block 108). The mobile phone 20 then formats and transmits a message to the server system 24 (block 110). The message from the mobile phone 20 contains a transmission code that includes data regarding the user information (e.g., user identification or account number), the secondary display it wants to connect to (e.g., television set 22 with display 23), the location and name of the media player for the selected video, the command (e.g., play, pause, rewind, etc.), and the video file to be acted upon. An example of the format of a transmission code from the mobile phone 20 to the server system 24 is illustrated in FIG. 3. Different formats and/or different information may be appropriate for other implementations.

The message from the mobile phone 20 is transmitted over the Internet 21 and is received by the server system 24 (block 112). Based on information in the message from the mobile phone 20, the server system 24 verifies that the user has an account (block 114), and the contents of the message, as well as the date and time of receipt of the message, are added to a personal computing device database 32 (block 116) which forms part of a switchboard 28. In general, all messages from a particular user's personal computing device 20 are stored in the database 32 corresponding to an account for the particular user. Thus, the database 32 stores a record of all messages received from a user's personal computing device 20, as well as the user's identification, an indication of the target device 22, an identification of the media player that is required for the selected video, and an identification of the selected video.

The switchboard 28 also includes a look-up table 34 that stores a correspondence between a particular personal computing device (such as mobile phone 20) and target devices (e.g., the television set 22) to which the user command is directed. An example of the look-up table 28 is illustrated in FIG. 4. In this example, it is assumed that, at most, a single connection is established at any given time between a particular mobile phone and a display device. However, as explained below, other scenarios are also possible to establish group connections (e.g., multiple mobile phones connected to the same display device). The server system 24 performs a target verification (block 118), which includes checking whether a connection to a particular display device already is established for the mobile phone 20 and, if so, checking the identification of the display device. During the target verification, if the look-up table indicates that there is no connection established between the mobile phone 20 and a particular display device, then the server system 24 sends a message to the mobile phone 20 to prompt the user to identify the device on which the video is to be displayed.

A user can identify the device on which the video is to be displayed in one of several ways, depending on the implementation. In some implementations, the user can select the display device from a list of devices displayed on the mobile phone 20. The list can include a field populated with names or identifications of display devices that previously have been initialized for connection. Alternatively, the user can select the display device by entering a synchronization code uniquely associated with the particular display device. As illustrated in FIG. 7A, the synchronization code 48 can be displayed, for example, on a splash page of the display device as text on the screen or as an image such as a QR code and can be entered into the mobile phone 20, for example, manually by the user or by scanning the code into the mobile phone. The code can be scanned, for example, using optical scanning or RFID techniques. Preferably, the synchronization code is different from the IP address associated with the device 22. The IP address also can be different from the media access control (MAC) address associated with the device 22. For example, in some implementations, the synchronization code is generated randomly and assigned to the display device 22 each time it connects to the server system 24. Thus, a particular display device 22 may have an IP address, a MAC address, a web or browser cookie, and a synchronization code ("sync code") assigned to it at any given

time. This information can be stored, for example, in a look-up table in the server system 24. An example of entries in such a look-up table are illustrated in FIG. 7B.

Once the synchronization code is entered into, or captured by, the mobile phone 20, it is sent from the mobile phone 20 to the server system 24, which stores the information in the look-up table 36 so as to establish a connection between the mobile phone 20 and the display device 22 through the server system 24.

Once a connection is established between the mobile phone 20 and the display device 22, signals sent from the mobile device 20 to its associated database 32 are copied to a database 34 associated with the target device (e.g., television set 24) based on the correspondence between the mobile device and the target device listed in the look-up table 36 (block 122). Thus, the database 32 entries associated with a particular display device (e.g., television set 24) provide a record of the messages received for that display device, as well as an indication of the identification of the device that sent each message, an indication of the media player required to play the video, and an indication of the selected video.

In the illustrated implementation, the command in the transmission code (see FIG. 3) contains a JavaScript reference to control the media player needed to play the selected video. Various types of video players may use different JavaScript commands to control their respective playback. Therefore, in the illustrated implementation, a universal adapter 26 is provided to interpret and convert a standard or universal command (e.g., play, pause, etc.) into the specific command recognized by the media player. Each time a signal is received from the mobile device 20, the API adapter 26 checks and identifies the specific media player that is being requested. Based on this information, the system loads the appropriate set of protocols or application programming interfaces (APIs) from its library and converts the incoming commands from the mobile device 20 into the correct JavaScript (or other programming) code used by the target device 22 to control the specific player (block 120). The server system 24 then copies the converted version of the message to the database 34 associated with the target device 22, as indicated above in connection with block 122.

The universal adapter 26 can be implemented, for example, as a look-up table. Examples of entries in such a look-up table are illustrated in FIG. 5. Thus, for a universal

command "New Video," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "yt_loadVideo" for YouTube). Similarly, for a universal command "Pause," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "pauseVideo" for Ted.com). Other universal commands and the corresponding command(s) for one of more media players also can be stored by the universal adapter 26.

The display device 22 periodically checks the entries in the database 34 to determine if there are any new messages/commands directed to it (block 124). For example, in some implementations, the display device 22 polls the associated database 34 at some predetermined time interval. In some implementations, instead of the display device 22 periodically checking whether there are any messages for it in the database 34, the server system 24 can push the messages to the display device 22. In any event, the system is arranged so that the display device 22 receives the messages intended for it.

When the display device 22 receives a message from the server system 24 (block 126), the display device executes the message (block 128). In some cases, the media player required to play the video indicated in the message is not presently loaded in the display device 22. For example, the received command may be to "play" a particular video. As indicated by FIG. 6, if the media player needed to play the video is not already loaded in the display device 22, the display device 22 requests and obtains a copy of the appropriate media player 40 and a copy of the video file 42 from a content provider 30, loads the media player and then presents the video on the display 23 (FIG. 2, block 130). Likewise, as indicated by FIG. 6, if the appropriate media player already is loaded in the display device, but the particular video is not, then the display device 22 requests and obtains a copy of the video file 42 from the content provider 30 and proceeds to play the video. To allow the display device 22 to switch between different video players (i.e., to load and unload different video players), a software program can be stored on the display device and/or the web site to establish a secure connection back to the server system 24.

Once the video is playing on the display device 22, the user of the mobile phone 20 can control the playing of the video by entering appropriate commands (e.g., pause, fast forward, rewind, stop, play, etc.) through the mobile phone. Each command is incorporated into a message including a transmission code (FIG. 3) as described above.

The message is transmitted to the server system 24, which copies the message into database entries associated with the particular display device 22 (i.e., after performing any conversion of the command by the API adapter 26). Once the message is retrieved by or sent to the display device 22, the display device proceeds to execute the command.

The system and methods described here allow a user of a mobile phone or other personal computing device to create a playlist based on videos (or other types of content) from multiple sources and to play back each video using a single interface that can be used to control different media players.

As mentioned above, the system and methods described above also can be used with types of content other than video. In that case, different types of user-initiated commands may be available to control the content displayed on the display 23. For example, for interactive video games, the user-initiated commands can include control commands appropriate for the particular game.

Although the implementation of FIG. 1 illustrates the display device 22 as a television set with a display screen 23, other types of display devices can be used as well (e.g., a laptop or personal computer).

The systems and methods can be used in various scenarios to play back videos (or other content). Examples of several scenarios that can be implemented using the system described above are described in the following paragraphs. For example, a first scenario involves a single user's smartphone connecting to a single display device (FIG. 8). In this scenario, the user turns on, for example, her display device (e.g., personal computer with a display monitor), opens up a browser and accesses a website associated with the server system 24. The user then clicks on a link that launches the software program to establish a secure connection back to the server system 24. The software program opens a splash page (see FIG. 14A), and a sync-code is displayed on the monitor. The user then opens the appropriate application on her smartphone. In the smartphone application, the user accesses a "Connect" screen from which he can select one of several listed display devices (see FIG. 14B). Alternatively, the user can enter the sync-code displayed on the computer monitor (see FIG. 14B). The user then clicks on a SEND button which causes a message including the sync-code to be sent the server system 24. In response, the server system 24 establishes a connection between the user's smartphone and the selected

display device through a look-up table as described above with respect to FIG. 4. The user can use a search tool in the smartphone application to find a video. In response to the search, a list of videos satisfying the search appears on the smartphone (see FIG. 14C). When the user selects a video from the list displayed on the smartphone, the information is provided through the server system 24 to the personal computer. In some implementations, a pop-up window may appear on the smartphone listing one or more options for the user to take regarding the selected video. Such options can include, for example, play the video on the selected display device (e.g., the personal computer), play the video on the smartphone, or add the video to the playlist on the smartphone. If the user chooses to have the video played on the display device (e.g., the personal computer), the personal computer obtains a copy of the required video player and the selected video from an appropriate content provider over the Internet and begins to play the video on the monitor as described previously. In some implementations, a message is displayed on the user's smartphone indicating that the selected video is playing and providing additional information about the selected video (see FIG. 14D). The user can control playing of the video (e.g., pause, fast forward, rewind, play, etc.) from her smartphone.

A second scenario involves saving a selected video to a playlist on a single user's smartphone, and subsequently playing the video on a display device (FIG. 9). In this scenario, the user opens the appropriate application on his smartphone and searches for videos using the search tool displayed in the application. When a list of videos is displayed on the smartphone in response to the search request, the user selects one or more videos to add to his playlist. At that time, or at a later time, the user can connect to a display device through the server system 24. To do so, the user opens the playlist on his smartphone and selects a video. The information is provided through the server system 24 to the display device, which obtains a copy of the required video player and the selected video from an appropriate content provider over the Internet and begins to play the video. The user can control playing of the video (e.g., pause, fast forward, rewind, play, etc.) from his smartphone.

A third scenario involves multiple users' smartphones and a single display device (FIG. 10). For example, a user may want to share and watch videos with a group of friends watching together on a single display device. In this situation, the user can access

the application or web site to set up a group and serve as the moderator for the group. The user then can send out a request to other members of the group, or other users can send a request to the moderator to join the group. Users can search for other users based, for example, on username or from a contact list. The moderator then can select a user in the group to control the display device. FIG. 14E illustrates an example of a screen on the user's smartphone that allows the user to connect with other users to form a group and to select which member of the group controls the display device (e.g., by selecting a member of the group from the list "Me, Guest 1, Guest 2, . . ." near the top of the screen). Alternatively, the moderator can set it up so that control is passed to each member of the group in turn automatically, or so that the next turn can be determined by consensus of the entire group, via some form of voting. Regardless of who has control of the display device 22, each user in the group retains control of his own smartphone. The look-up table 36 in the server system 24 stores the connections established between the personal computing devices of the users in the group and the display device (see FIG. 15).

A fourth scenario involves one user's smartphone and multiple display devices (FIG. 11). In this example, a user opens the application on his smartphone to establish a connection to a first display device and then repeats the process for multiple display devices. A list of devices that the user's smartphone is connected to is displayed on the smartphone. The user can choose to control all devices simultaneously or one at a time. To do so, the user selects from the list the display device(s) he wants to control. The user then can search for videos using his smartphone. In response to the user selecting a particular video, the selected video is played on the selected display device(s).

A fifth scenario involves multiple users' smartphones and multiple connected display devices (FIG. 12). For example, a user may want to share and watch videos with a group of friends, who may be in different locations each of which has a separate display device. Each user establishes a connection from her smartphone to the display device where she is located. One of the users uses the application or web site to establish a group, with the user who establishes the group serving as the group moderator. The user can send out a request to other users to join the group or other users can send a request to the moderator to join the group. In some implementations, users can search for other users based on username or from a contact list. The moderator chooses which member of

the group has control of the display device. Alternatively, the moderator can set it up control is passed to each member of the group in turn automatically, or so that the next turn can be determined by consensus of the entire group, via some form of voting. The signal sent from the smartphone of the group member who has control is sent (via the server system 24) to all display devices within the group. Regardless of which group member has control of the display devices, each user retains control of her own smartphone. The look-up table 36 in the server system 24 stores the connections established between the personal computing devices of the users in the group and the display devices (see FIG. 15).

A sixth scenario involves sharing video links and a playlist (FIG. 13). For example, a user within a group can share a video playlist and video links via an Instant messaging system built-in to the application. Users also can post video links or a video playlist to third-party web sites (e.g., social networking sites). Other users can view the video link and playlist within the application. When a video from the list is selected, it plays on the selected device.

The system and methods can be used by a wide variety of users in addition to individual viewers. For example, companies that provide on-line video platforms that host videos for other individuals or companies can obtain useful advantages by integrating the platforms with the server system 24. Programming hooks can be created in the API so that the on-line video platform's media player can communicate with the server system 24. When media player commands for an on-line video platform are added to the system 24, the media player's API is placed in an API library and is stored in the API adapter 26. The on-line video platform can then offer customers the ability to add videos to their own mobile web sites that are enabled to operate with the server system 24.

The system and methods also can be used by content providers. For example, the content provider may want to deliver its media on-line. The content provider can use an on-line video platform that is enabled to operate with the server system 24. In some implementations, the content provider is allowed to add links to videos for that web site (i.e., mobile site or an application). The link facilitates synchronization to the secondary

device 22 (e.g., a television set) and allows the end-user to load and control the video on the secondary device.

As used in this disclosure, terms such as "first," "second," etc. with respect to the messages are used simply as labels to distinguish the various messages from one another. Such terms do not imply that there cannot be any other messages prior to the first message or that there cannot be other messages between the first and second messages.

Implementations of the subject matter and the operations described in this specification can include digital electronic circuitry, or in computer software, firmware, or hardware, including the structures disclosed in this specification and their structural equivalents, or in combinations of one or more of them. Implementations of the subject matter described in this specification can include one or more computer programs, i.e., one or more modules of computer program instructions, encoded on computer storage medium for execution by, or to control the operation of, data processing apparatus. Alternatively or in addition, the program instructions can be encoded on an artificially-generated propagated signal, e.g., a machine-generated electrical, optical, or electromagnetic signal that is generated to encode information for transmission to suitable receiver apparatus for execution by a data processing apparatus. A computer storage medium can be, or can be included in, a computer-readable storage device, a computer-readable storage substrate, a random or serial access memory array or device, or a combination of one or more of them. Moreover, while a computer storage medium is not a propagated signal, a computer storage medium can be a source or destination of computer program instructions encoded in an artificially-generated propagated signal. The computer storage medium can also be, or be included in, one or more separate physical components or media (e.g., multiple CDs, disks, or other storage devices).

The operations described in this specification can include operations performed by a data processing apparatus on data stored on one or more computer-readable storage devices or received from other sources. The term "data processing apparatus" encompasses all kinds of apparatus, devices, and machines for processing data, including by way of example a programmable processor, a computer, a system on a chip, or multiple ones, or combinations, of the foregoing. The apparatus and execution

environment can realize various different computing model infrastructures, such as web services, distributed computing and grid computing infrastructures.

A computer program (also known as a program, software, software application, script, or code) can be written in any form of programming language, including compiled or interpreted languages, declarative or procedural languages, and it can be deployed in any form, including as a stand-alone program or as a module, component, subroutine, object, or other unit suitable for use in a computing environment. A computer program may, but need not, correspond to a file in a file system. A program can be stored in a portion of a file that holds other programs or data (e.g., one or more scripts stored in a markup language document), in a single file dedicated to the program in question, or in multiple coordinated files (e.g., files that store one or more modules, sub-programs, or portions of code). A computer program can be deployed to be executed on one computer or on multiple computers that are located at one site or distributed across multiple sites and interconnected by a communication network.

Processors suitable for the execution of a computer program include, by way of example, both general and special purpose microprocessors, and any one or more processors of any kind of digital computer. Generally, a processor will receive instructions and data from a read-only memory or a random access memory or both. Elements of a computer include a processor for performing actions in accordance with instructions and one or more memory devices for storing instructions and data.

Generally, a computer will also include, or be operatively coupled to receive data from or transfer data to, or both, one or more mass storage devices for storing data, e.g., magnetic, magneto-optical disks, or optical disks. However, a computer need not have such devices. Moreover, a computer can be embedded in another device, e.g., a mobile telephone, a personal digital assistant (PDA), a mobile, audio or video player, a game console, a Global Positioning System (GPS) receiver, or a portable storage device (e.g., a universal serial bus (USB) flash drive), to name just a few. Devices suitable for storing computer program instructions and data include all forms of non-volatile memory, media and memory devices, including by way of example semiconductor memory devices, e.g., EPROM, EEPROM, and flash memory devices; magnetic disks, e.g., internal hard disks or removable disks; magneto-optical disks; and CD-ROM and DVD-ROM disks. The

processor and the memory can be supplemented by, or incorporated in, special purpose logic circuitry.

Although this specification contains many specific implementation details, these should not be construed as limitations on the scope of any inventions or of what may be claimed, but rather as descriptions of features specific to particular implementations of particular inventions. Certain features that are described in this specification in the context of separate implementations can also be implemented in combination in a single implementation. Conversely, various features that are described in the context of a single implementation can also be implemented in multiple implementations separately or in any suitable subcombination. Moreover, although features may be described above as acting in certain combinations and even initially claimed as such, one or more features from a claimed combination can in some cases be excised from the combination, and the claimed combination may be directed to a subcombination or variation of a subcombination.

Similarly, while operations are depicted in the drawings in a particular order, this should not be understood as requiring that such operations be performed in the particular order shown or in sequential order, or that all illustrated operations be performed, to achieve desirable results. In certain circumstances, multitasking and parallel processing may be advantageous. Moreover, the separation of various system components in the implementations described herein and the attachments hereto should not be understood as requiring such separation in all implementations, and it should be understood that the described program components and systems can generally be integrated together in a single software product or packaged into multiple software products.

Thus, although particular implementations have been described, other implementations are within the scope of the claims.

What is claimed is:

1. A machine-implemented method of controlling presentation of video content on a display device, the method comprising:

receiving, in a server system, one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a command for controlling the presentation of the video content on the display device,

converting, by the server system, the command into corresponding programming code used by the display device to control the media player; and

storing, in a database associated with the server system, a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code used by the display device to control the media player in accordance with the command.

2. The method of claim 1 including:

checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device;

loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player; and

converting the command from the personal computing device into a corresponding JavaScript code used by the display device to control the media player.

3. The method of claim 1 wherein converting the command into corresponding programming code used by the display device to control the media player includes using information in a look-up table.

4. The method of claim 3 wherein the command contained in the one or more signals from the personal computing device is in the form of a universal command, and wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player.

5. The method of claim 1 wherein the command contained in the one or more signals from the personal computing device is in the form of a universal command, and wherein converting the command includes selecting from among a plurality of specific commands, each of which represents, respectively, a corresponding command for a particular media player.

6. The method of claim 1 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

7. The method of claim 1 wherein the video content is an interactive video game.

8. The method of claim 1 wherein the video content is streaming media.

9. The method of claim 1 including:

receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played; and

storing in the server system a record establishing a connection between the personal computing device and the display device based on the code.

10. The method of claim 9 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

11. The method of claim 9 including assigning a randomly generated code to the display device each time the display device connects to the server system.

12. A system for controlling playing of video content on a display device, the system comprising:

a server system;

a first database storing a relationship between a personal computing device and the display device; and

a second database;

wherein the server system is operable to receive one or more signals from a personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a command for controlling the presentation of the video content on the display device,

the server system being operable to convert the command into corresponding programming code used by the display device to control the media player;

the server system being further operable to store in the second database a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code used by the display device to control the media player in accordance with the command.

13. The system of claim 12 including:

a library storing protocols or application programming interfaces,

wherein the server system is operable to check the identity of the media player identified in the one or more signals from the personal computing device, load an appropriate set of protocols or application programming interfaces from the library based on the identity of the media player, and convert the command from the personal computing device into a corresponding programming code used by the display device to control the media player.

14. The system of claim 12 including:

a look-up table storing a plurality of commands each of which is for a particular type of media player,

wherein the server system is operable to convert the command into corresponding programming code used by the display device to control the media player based on information in the look-up table.

15. The system of claim 12 wherein the command contained in the one or more signals from the personal computing device is a universal command, and wherein the look-up table stores a correspondence between the universal command and a plurality of specific commands, each of which is for a particular media player.

16. The system of claim 15 the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table.

17. The system of claim 12 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

18. The system of claim 12 wherein the video content is an interactive video game.

19. The system of claim 12 wherein the video content is streaming media.

20. The system of claim 12 wherein the server system is operable to receive a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played, the server system further being operable to store the record establishing a connection between the personal computing device and the display device based on the code.

21. The system of claim 20 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

22. The system of claim 20 wherein the server system is operable to assign a randomly generated code to the display device each time the display device connects to the server system.

23. An automated machine-implemented method of presenting video content on a display device, the method comprising:

retrieving, by the display device, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code used by the display device to control the first media player in accordance with a first command;

obtaining, by the display device, over the Internet the first media player for playing the first video file;

loading the first media player in the display device;

executing the first command with respect to the first video file using the first media player;

subsequently retrieving, by the display device, second information that specifies a second video file to be acted upon, that identifies a second media player for playing the second video file, and that indicates corresponding programming code used by the display device to control the second media player in accordance with a second command;

obtaining, by the display device, over the Internet the second media player for playing the second video file;

loading the second media player in the display device; and

executing the second command with respect to the second video file using the second media player.

24. The method of claim 23 wherein the display device comprises a television set with a display screen.

25. The method of claim 23 wherein the display device comprises a laptop or personal computer.

26. The method of claim 23 wherein each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file.

27. The method of claim 23 wherein the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet.

ABSTRACT OF THE DISCLOSURE

A system for presenting and controlling content on a display device includes a network, a server system coupled to the network and comprising one or more servers, a display device coupled to the network and having a display, and a personal computing device operable to transmit a first message according to a specified format over the network to the server system. The server system stores an association between the personal computing device and the display device. The first message identifies user-selected content and a media player to play the content. The server system is operable, in response to receiving the first message from the personal computing device, to provide to the display device a second message identifying the user-selected content and the media player to play the content. In response to receiving the second message, the display device is operable to obtain a first media player needed to play the content, to load the media player and to present the content on the display.

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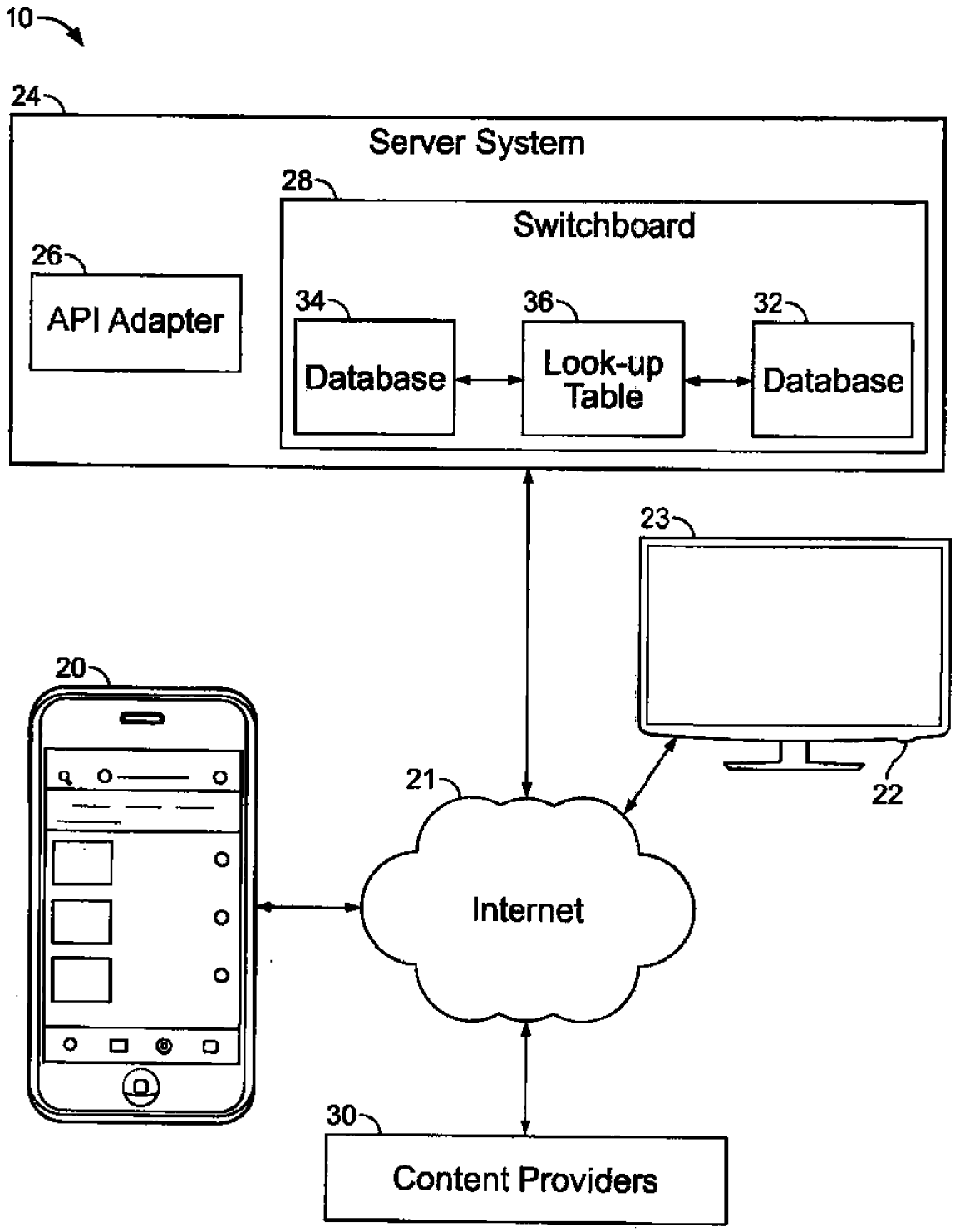

10
24
Server System
28
Switchboard
26
API Adapter
34
Database
36
Look-up Table
32
Database
23
22
20
21
Internet
30
Content Providers

FIG. 1

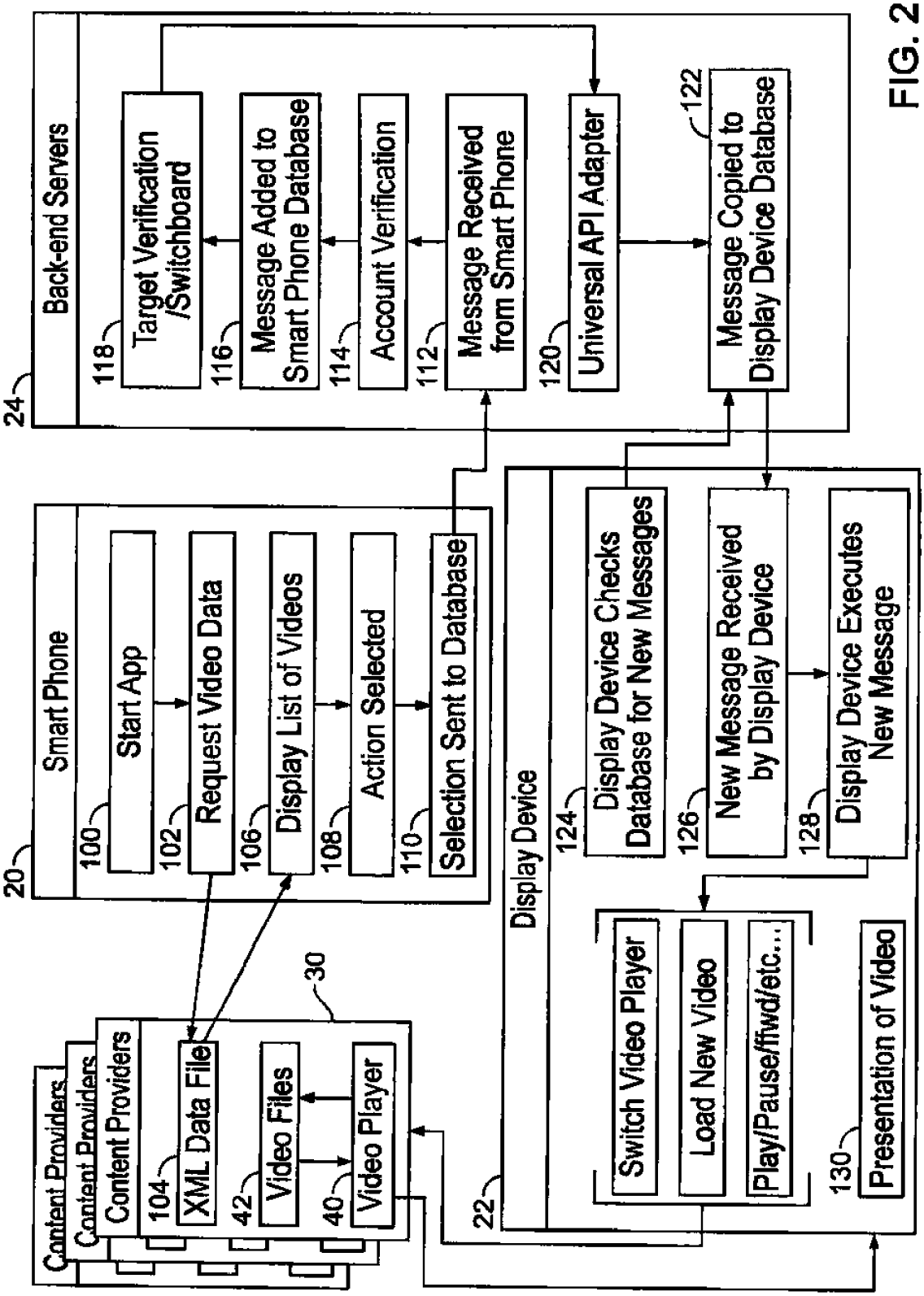

Back-end Servers
24
118
Target Verification /Switchboard
116
Message Added to Smart Phone Database
114
Account Verification
112
Message Received from Smart Phone
120
Universal API Adapter
122
Message Copied to Display Device Database
Smart Phone
20
100
Start App
102
Request Video Data
106
Display List of Videos
108
Action Selected
110
Selection Sent to Database
Display Device
22
124
Display Device Checks Database for New Messages
126
New Message Received by Display Device
128
Display Device Executes New Message
Switch Video Player
Load New Video
Play/Pause/ffwd/etc...
130
Presentation of Video
30
Content Providers
Content Providers
Content Providers
104
XML Data File
42
Video Files
40
Video Player

FIG. 2

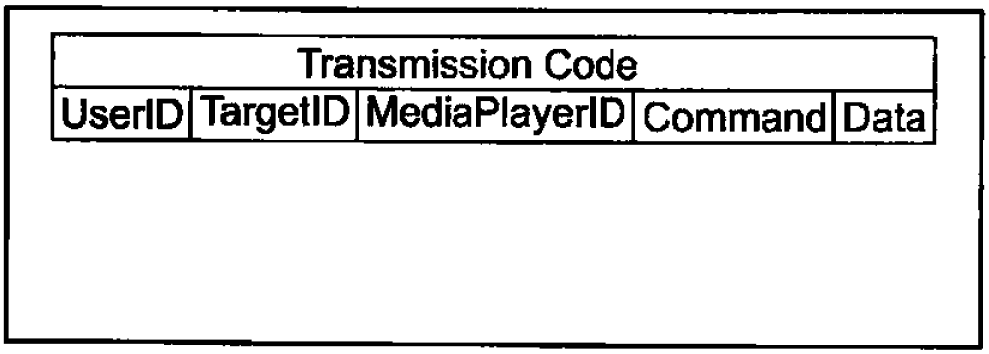


FIG. 3

Single Connection Look-up Table	
Display Device	User - Smartphone
2	A
1	C
3	D
4	B

FIG. 4

26

Universal API Adapter		
Universal Command	MediaPlayerID	Specific Player Command
New Video	YouTube	yt_loadVideo
	Ted.com	getVideo
	Vimeo	loadNewVideo
Pause	YouTube	yt_pauseVideo
	Ted.com	pauseVideo
	Vimeo	pause

FIG. 5

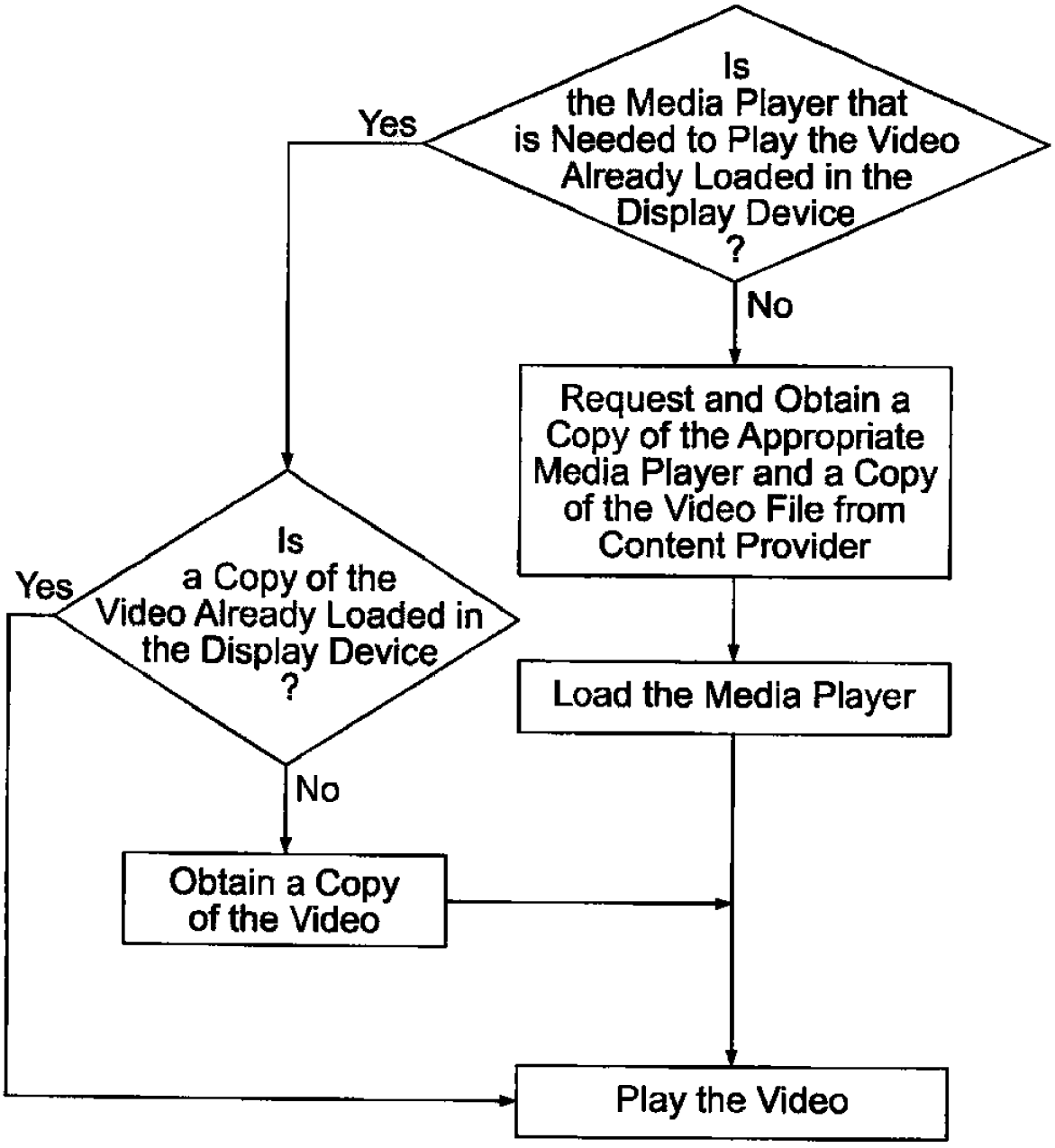

Is the Media Player that is Needed to Play the Video Already Loaded in the Display Device ?
Yes
No
Request and Obtain a Copy of the Appropriate Media Player and a Copy of the Video File from Content Provider
Load the Media Player
Is a Copy of the Video Already Loaded in the Display Device ?
Yes
No
Obtain a Copy of the Video
Play the Video

FIG. 6

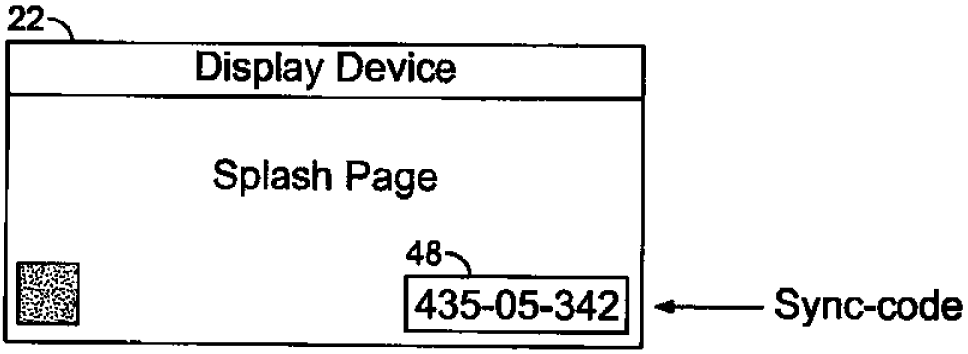


FIG. 7A

Sync-code Look-up Table		
IP Address	Cookie	Sync-code
169.343.231.234	erjg988dhuj	435-05-342

FIG. 7B

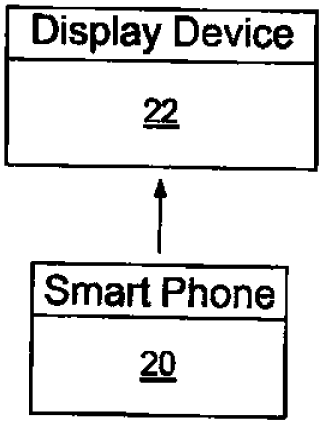
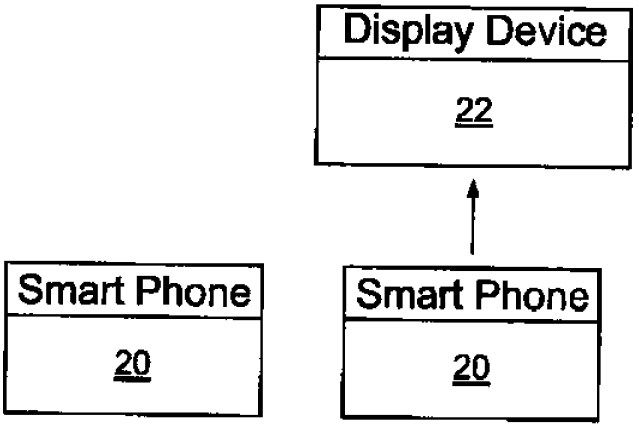


FIG. 8



(A) (B)

FIG. 9

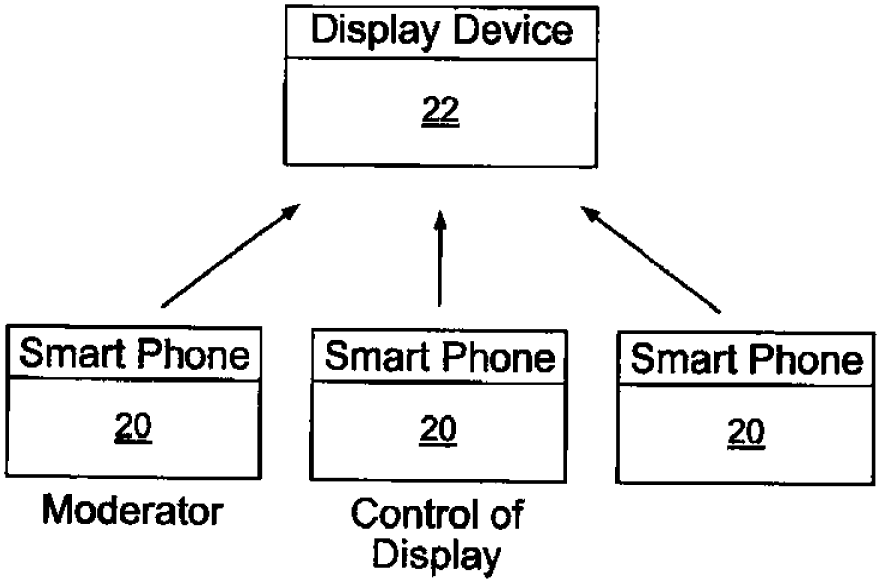

Display Device
22
Smart Phone
20
Moderator
Smart Phone
20
Control of Display
Smart Phone
20

FIG. 10

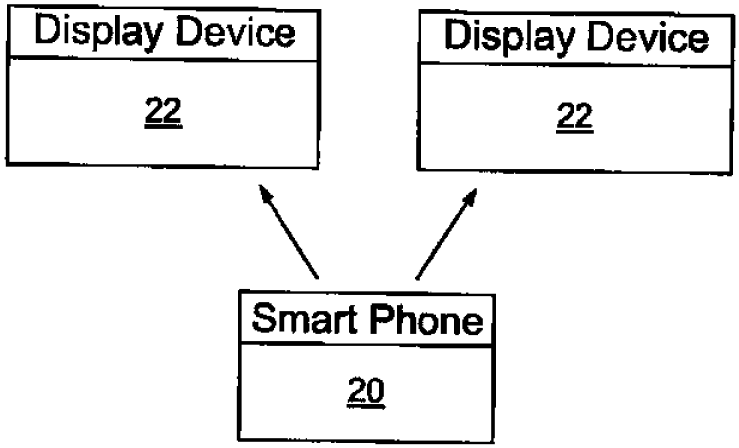

Display Device
22
Display Device
22
Smart Phone
20

FIG. 11

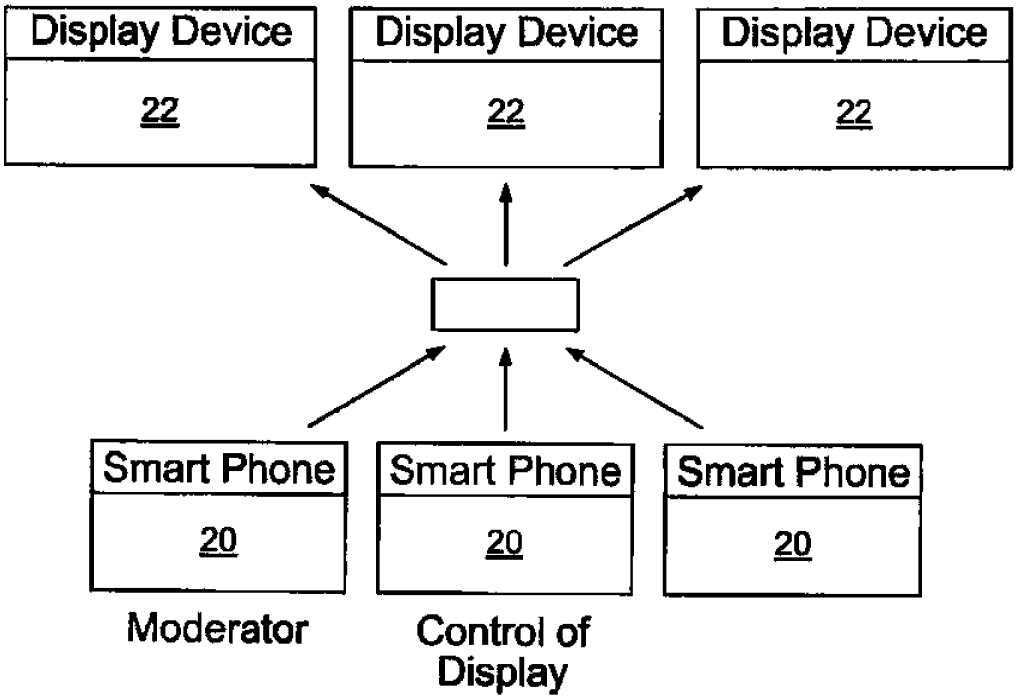

Display Device
22
Display Device
22
Display Device
22
Smart Phone
20
Smart Phone
20
Smart Phone
20
Moderator
Control of Display

FIG. 12

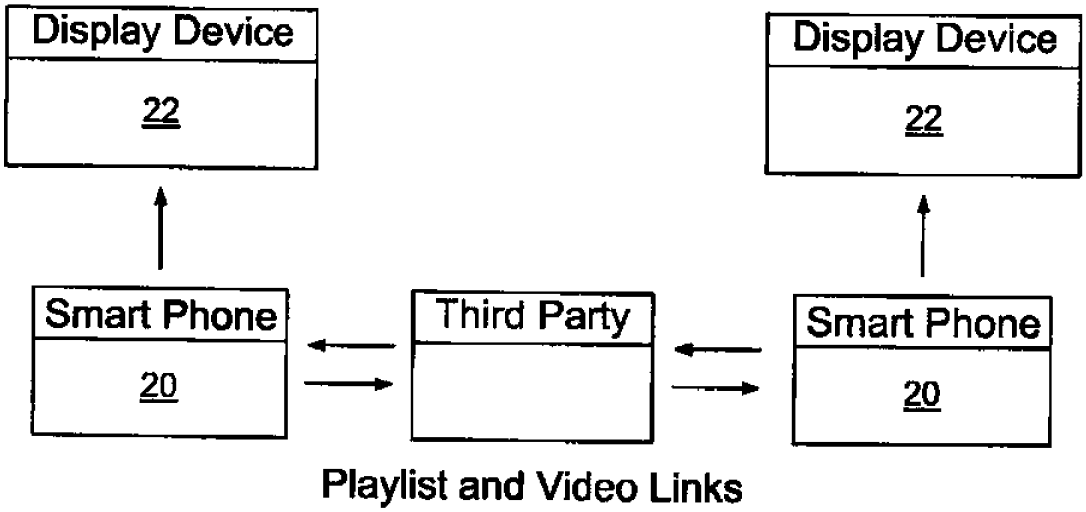

Display Device
22
Display Device
22
Smart Phone
20
Third Party
Smart Phone
20
Playlist and Video Links

FIG. 13

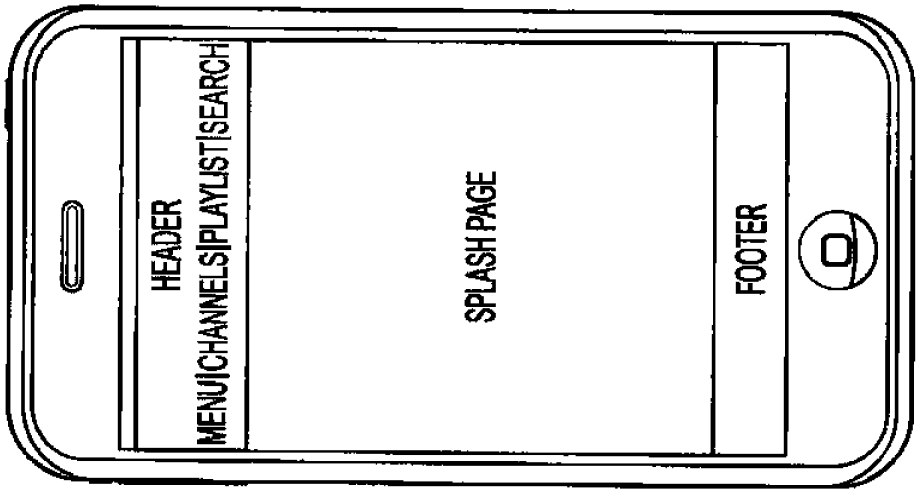


FIG. 14A

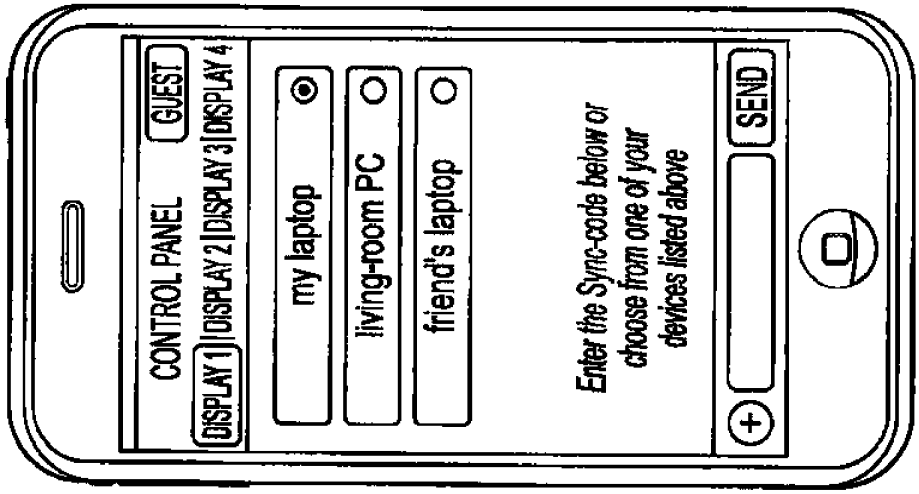


FIG. 14B

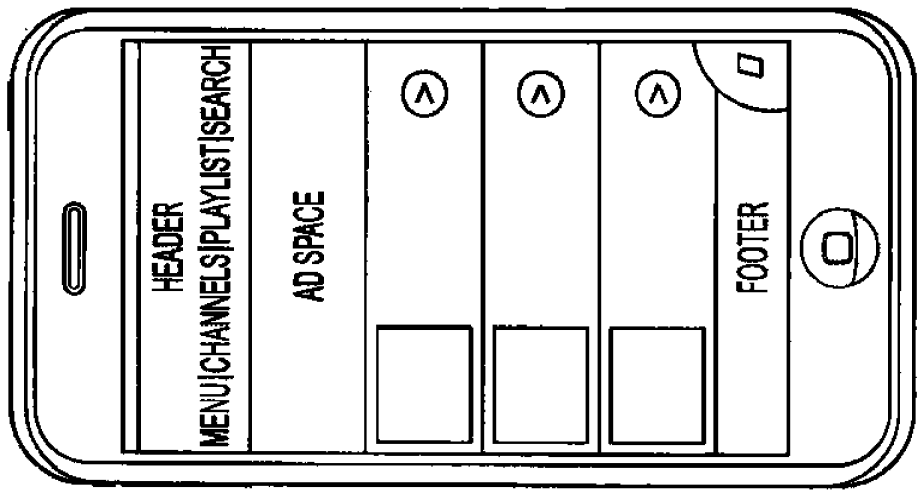


FIG. 14C

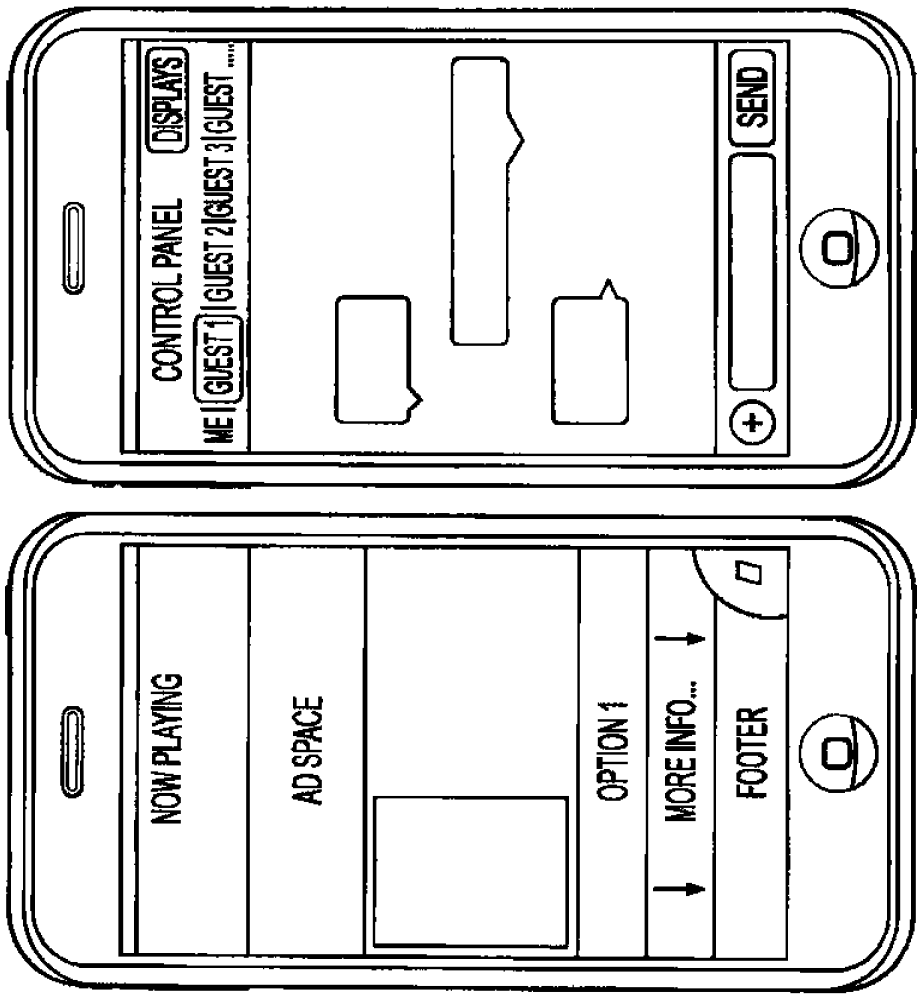


FIG. 14D

FIG. 14E

Group Connection Look-up Table		
Display Device	Group	User - Smartphone
2	X	A",C*,D
1,3	Y	B"*,E

" = Group Moderator,
* = Control of Display Device

FIG. 15

Electronic Acknowledgement Receipt

EFS ID:	11606892
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	Play Control of Content on a Display Device
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Paula Romeo
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	13-DEC-2011
Filing Date:	26-SEP-2011
Time Stamp:	15:37:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		301600002001IDS.pdf	839395 862cb3ddf2e1ec2af14a8b8d8219999e2fe95c49	yes	4

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	4	
Warnings:					
Information:					
2	Non Patent Literature	301600002001Ref1.pdf	250451 eb2f7ae80844d3f2b3b3f1c3485fb2a8a2fd0969	no	1
Warnings:					
Information:					
3	Non Patent Literature	301600002001Ref2.pdf	519262 8a788940840e4f7edd0b1495240b7be4b1da01fb	no	3
Warnings:					
Information:					
4	Non Patent Literature	301600002001Ref3.pdf	470279 916bc7244fbda2f2640166798815fddcafbd777c	no	3
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Information:					
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7	Non Patent Literature	301600002001Ref6.pdf	148320 0b58b5fc876916b48909eb3b04be5c5f8d86886d	no	1
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Information:					
8	Non Patent Literature	301600002001Ref7.pdf	954577 292648b670c22f49337ae7fca1f395841ef39909	no	27
Warnings:					
Information:					

9	Non Patent Literature	301600002001Ref8.pdf	255704 87059fc3a9fdeb7bc46d6a39f8fbdaad4df24466	no	32

Warnings:	
Information:	
Total Files Size (in bytes):	4193674

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: Unknown
Serial No.	: 13/157,821	Examiner	: Unknown
Filed	: June 10, 2011	Conf. No.	: 8023
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the references listed on the enclosed PTO-1449 form. Copies of any non-U.S. patent literature and the references listed under the heading "Other Documents" are enclosed. Copies of cited U.S. patents and patent application publications will be provided on request.

This statement is being filed before the receipt of a first Office Action on the merits. Please apply any necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: December 13, 2011

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

30656155.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: 2172
Serial No.	: 13/245,001	Examiner	: John M. Heffington
Filed	: September 26, 2011	Conf. No.	: 4575
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT IN REPLY TO ACTION OF DECEMBER 8, 2011

Please amend the above-identified application as follows:

REMARKS

Claims 1-27 are presented for further examination.

Request that the Office consider all reference submitted in the IDS of 9/26/11

Applicant submitted an Information Disclosure Statement (IDS) together with the application on September 26, 2011. The Office action "lined through" items 12-15 and 17-28 on the form 1449 that accompanied the IDS, indicating that the Examiner might not have considered these items. The Office, however, failed to provide any explanation for not considering all the listed items.

As indicated in the IDS, copies of the foregoing items, as well as English-language abstracts for items 12-15, were provided in the parent application (serial no. 13/157,821) in an IDS submitted on June 10, 2011. Therefore, the Office should have considered each and every item listed on the form 1449 in the IDS for the present application. *See* 37 C.F.R. §§1.97-1.98. Applicant requests that the Office acknowledge its consideration of all references in the next communication.

Rejections under 35 U.S.C. §§102-103

The Office rejected the claims over the following references:

(1) Claims 1-10, 12-21 and 23-26 were rejected as anticipated by U.S. Patent Publication No. 2011/0060998 (Schwartz).[1]

(2) Claims 11 and 22 were rejected as obvious from Schwartz in view of the information from the web site www.vbulletin.com.

(3) Claim 27 was rejected as obvious from Schwartz.

[1] Although page 2, par. 3 of the Office action seems to indicate that claim 11 also is rejected as anticipated by Schwartz, the remainder of the action indicates that claim 11 is rejected only under section 103 as obvious.

Reconsideration is requested.

Claims 1-12

Independent claim 1 recites a machine-implemented method of controlling presentation of video content on a display device. The method includes receiving, in a server system, one or more signals from a remote personal computing device. The one or more signals (i) specify a video file to be acted upon, (ii) identify a media player[2] for playing the video content, and (iii) include a universal playback command for controlling playing of the video content on the display device by the media player. The claim is amended to clarify that the command is a playback control command. Support for this feature can be found, for example, in the Specification at page 6, lines 13-17, page 8, lines 18-21, page 9, lines 17-18 and 28-31. In some implementations, as explained in the Specification (page 9, line 28 – page 10, line 1):

> [T]he user of the mobile phone 20 can control the playing of the video by entering appropriate commands (e.g., pause, fast forward, rewind, stop, play, etc.) through the mobile phone. Each command is incorporated into a message including a transmission code (FIG. 3) as described above. The message is transmitted to the server system 24, . . .

The method further includes converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player. As recited in claim 1, converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player. As

[2] In the context of the present application, it is clear that a "media player" refers to application software for playing back the video content. Thus, the claims and specification refer in some cases, for example, to "loading" or "unloading" a media player (*see, e.g.*, Specification at page 4, line 22, page 9, lines 18-27). A particular display device, therefore, may, in some cases, be able to load or store any one of different media players.

explained in the Specification (page 8, line 18 – page 9, line 6) according to example implementations:

> Various types of video players may use different JavaScript commands to control their respective playback. Therefore, in the illustrated implementation, a universal adapter 26 is provided to interpret and convert a standard or universal command (e.g., play, pause, etc.) into the specific command recognized by the media player. Each time a signal is received from the mobile device 20, the API adapter 26 checks and identifies the specific media player that is being requested. Based on this information, the system loads the appropriate set of protocols or application programming interfaces (APIs) from its library and converts the incoming commands from the mobile device 20 into the correct JavaScript (or other programming) code used by the target device 22 to control the specific player (block 120). The server system 24 then copies the converted version of the message to the database 34 associated with the target device 22, as indicated above in connection with block 122.
>
> [ ] Thus, for a universal command "New Video," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "yt_loadVideo" for YouTube). Similarly, for a universal command "Pause," the universal adapter 26 provides the corresponding command for each of several specific media players (e.g., "pauseVideo" for Ted.com). Other universal commands and the corresponding command(s) for one of more media players also can be stored by the universal adapter 26.

The method of claim 1 also includes storing, in a database associated with the server system, a message for transmission to or retrieval by the display device. The message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the playback control command.

The method may be used to facilitate, for example, a user's creating a playlist based on videos from multiple sources and playing back any of the videos, where the server system acts as a single interface that can be used to control the different media players (*i.e.*, the computer software applications) that may be needed to play the various video files.

Schwartz discloses a system and method for managing Internet media content. As illustrated in FIG. 2 (reproduced below), the system can include a computing device (e.g., a mobile phone) that executes an application 10 (i.e., a software program) (see par. [0138]) to facilitate accessing various media content, including video content. The application is connected through a home network 20 to one or more media destinations 21, 22, 23 (e.g., a television), which can serve as target rendering devices to which the media content can be sent.

FIG. 2

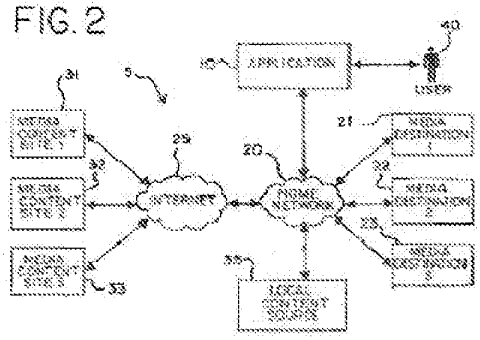
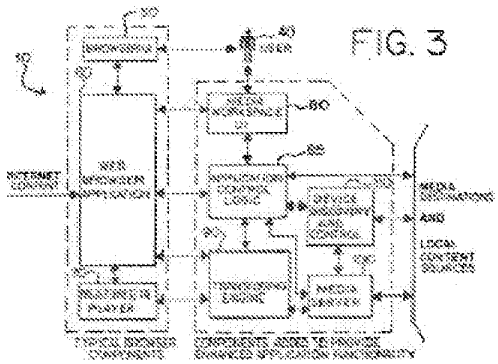


FIG. 3



As illustrated in FIG. 3 of Schwartz (reproduced above), the application 10 residing on the computing device (*e.g.*, the mobile phone) includes various components, such as a transcoding engine 90, a media server component 100 and a device discovery and control (DDC) component 110. The transcoding engine 90 can be used to reformat media content to prepare it for delivery to the specified target media destination (pars. [0114], [0124]). Thus, for example, in response to user input directing transfer of media content to a particular target rendering device, the DDC component 110 communicates with the transcoding engine and/or the media server component 100 to obtain the media content in a form that matches the media capabilities of the target rendering device ([par.0122]). Likewise, in response to user input directing a target rendering device to render media content, the DDC component 110 communicates with the target rendering device to instruct it to request, retrieve, process and/or render the media content (par. [0118]). In addition, Schwartz discloses that the media server component 100 of the application

10 can receive messages from the target rendering device, which may request the transcoded or reformatted media content (par. [0137]).

The Office alleges that such messages sent by the target rendering device to the media server component 100 of the Schwartz's software application 10 correspond to the "one or more signals" in claim 1. As explained below, that is incorrect.

First, applicant points out that claim 1 recites that the one or more signals are received *in a server system from a remote personal computing device*, and that the message stored in the database associated with the server system is for transmission to or retrieval *by a display device*. Thus, the server system acts an interface for facilitating the transfer of information contained in the one or more signals (received from the personal computing device) to the display device. The claimed method is significantly different from the method of operation disclosed by Schwartz in which the application 10 residing on the computing device communicates directly through the home network 20 with the target rendering device (e.g., media destination 21). In view of the fact that in Schwartz's system the application 10 residing on the computing device communicates directly through the home network 20 with the target rendering device, there is no need to perform the particular operations recited in the method of claim 1 and indeed, as explained below, Schwartz does not disclose the claimed method.

The Office alleges that the media component 100 of the application 10 corresponds to the claimed "server system" and the target rendering device corresponds to the claimed "personal computing device." However, the messages sent by the target rendering device (*e.g.*, media destination 21) to the media server component 100 of the software application 10 do not correspond to the "one or more signals" in claim 1. In particular, Schwartz explains that the media server component 100 can receive request messages from the target rendering device (par. [0137]) (emphasis added):

> *The media server component 100 may receive request messages from the target rendering device which may request the transcoded, reformatted and/or repurposed internet media content. The request messages from the*

> *target rendering device may request specific portions of the transcoded, reformatted and/or repurposed internet media content.* The media server component 100 may receive instructions from the transcoding engine 90 and/or from other components of the application 10. The instructions may direct the media server component 100 to transmit the transcoded, reformatted and/or repurposed internet media content. The instructions may direct the media server component 100 to transmit the specific portions of the transcoded, reformatted and/or repurposed internet media content. In response to the request messages and/or the instructions, the media server component 100 may transmit the transcoded, reformatted and/or repurposed internet media content and/or the specific portions to the target rendering device.

There is nothing in Schwartz to indicate that the messages sent *from* the target rendering device *to* the media server component 100 include a "playback control command" for controlling playing of the video content on the display device.

Furthermore, although Schwartz elsewhere discloses user-initiated playback controls such as "play," "pause," etc., any such playback controls are sent from the DDC component 110 of the application 10 residing on the computing device to the target rendering device (par. [0119]; *see also* par. [0214] and FIG. 6). Such playback controls are *not* sent from the target rendering device (which allegedly corresponds to the claimed "personal computing device") to the media server component 100 or any component of the application 10 (which allegedly corresponds to the claimed "server system").[3] Therefore, the media component 100 of the application 10 also does not "convert" any playback control commands that were received "from" the target rendering device. Furthermore, there is nothing in Schwartz that discloses or suggests that converting a universal playback control command includes "selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player," as recited in claim 1.

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[3] Receipt *by the application 10* of playback controls also does not satisfy the claim language of "receiving, in a server system, one or more signals from a remote personal computing device. . ." For one thing, the application 10 and the computing device executing the application are not a "server system." Furthermore, the user-initiated playback controls are not received in the application 10 "from a *remote* personal computing device." Instead, the application 10 is being executed by the computing device on which is resides.

Applicant acknowledges that, as discussed above, the application 10 includes a transcoding engine 90 that "may reformat and/or repurpose *the media content*" for compatibility with the media destination(s) (par. [0114]). As explained by Schwartz:

> The transcoding engine 90 may process the internet *media content* and/or the locally stored *media content* to prepare the media content for delivery to the specified media destination. The transcoding engine 90 may transcode the internet *media content* and/or the locally stored *media content* based on the media capabilities of the specified media destination. For example, the transcoding engine 90 may transcode the *media content* to produce transcoded media content which may conform to media codecs, profiles and/or levels which may be supported by the specified media destination. The transcoding engine 90 may reformat the *media content*. For example, the transcoding engine 90 may reformat the *media content* to produce reformatted media content which may have a file format and/or a delivery format appropriate for the specified media destination.

Here too, however, there is nothing to indicate that the transcoding engine "converts" playback control commands. Instead, any reformatting or repurposing it might perform is with respect to the media content itself, not with respect to a playback control command.

In view of the foregoing remarks, it is clear that Schwartz fails to disclose (1) receiving, in a server system, one or more signals from a remote personal computing device, . . . the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player, and (2) converting, by the server system, the playback control command into corresponding programming code to control playing of the video content on the display device by the media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player.

The information from the web site www.vbulletin.com also fails to disclose or render obvious the claim limitations missing from Schwartz. Therefore, neither Schwartz nor the information from the web site www.vbulletin.com, taken alone or in combination, discloses or renders obvious the subject matter of claim 1 or its dependent claims.

At least for these reasons, the rejections of claim 1 and its dependent claims should be withdrawn.

Furthermore, the dependent claims recite additional language that renders those claims independently patentable.

Claims 12-22

Independent claim 12 recites a system for controlling playing of video content on a display device. The system includes a server system operable to receive one or more signals from a remote personal computing device. The one or more signals specify a video file to be acted upon, identify a media player for playing the video content, and include a universal playback control command for controlling the playing of the video content on the display device by the media player. The server system also is operable to convert the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player.

The rejections of claim 12 as well as its dependent claims under sections 102-103 should be withdrawn at least for the same reasons as discussed above with respect to claim 1.

Claims 23-27

Independent claim 23 recites an automated machine-implemented method of presenting video content on a display device. The method includes the display device retrieving[4] from a server system first information (i) that specifies a first video file to be acted upon, (ii) that

[4] For example, in some implementations, the display device can retrieve the information by periodically checking entries in a database or polling the database to determine where there are any new messages directed to it (page 9, lines 7-10).

identifies a first media player for playing the first video file, and (iii) that indicates corresponding programming code to control playing of the first video file on the display device by the first media player in accordance with a first playback control command. The display device obtains over the Internet the first media player for playing the first video file, loads the first media player in the display device, and executes the first playback control command with respect to the first video file using the first media player. The display device also performs the foregoing operations with respect to a second video file, a second media player, and a second playback control command.

In contrast, none of the components in Schwartz's system performs the recited operations. For example, the application 10 executing on the computing device can "retrieve" specified media content from an appropriate media content site (pars. [0102], [0122]). Likewise, the DDC component 110 of the application 10 may instruct the target rendering device to "retrieve" media content and may specify an appropriate location from which the media content is to be retrieved by the target rendering device (par. [0118]).

However, neither the application 10 nor the target rendering device "retrieves," from a server system, information (i) that specifies a first video file to be acted upon, (ii) that identifies a first media player for playing the first video file and (iii) that indicates corresponding programming code used to control playing of a video file by the first media player in accordance with a first playback control command. Although the DDC component 110 of the application 10 transmits playback control instructions to the target rendering device (par. [0119]), neither the DDC component 110 not any other component in the application 10 "retrieves" such instructions form a server system, as recited in claim 23. Likewise, although the target rendering device can receive the playback control instructions from the DDC component 110, the target rendering device does not "retrieve" such information, as recited in claim 23.

Therefore, neither Schwartz nor the information from the web site www.vbulletin.com, taken alone or in combination, discloses or renders obvious the subject matter of claim 23 or its dependent claims.

At least for these reasons, the rejections of claim 23 and its dependent claims should be withdrawn.

Furthermore, the dependent claims recite additional language that renders those claims independently patentable.

Rejections under 35 U.S.C. §101

The Office rejected claims 12-21 as directed to non-statutory subject matter because the claimed system "does not exclude a system composed entirely of software."

Applicant respectfully disagrees.

First, claim 12 is directed to a "system" that includes a server system "operable to receive one or more signals . . ." Therefore, the claimed system is not an "abstract idea" that is ineligible for patent protection under the Supreme Court's 2010 decision in *Bilski*. Furthermore, in view of the fact that the claimed system is "operable to receive one or more signals . . .," it is clear that the claimed system does not encompass a system "entirely composed of software" as alleged by the Office.

Also, claim 12 is amended to recite "one or more computer-readable media storing instructions that when executed by the server system, cause the server system to perform operations . . ." Support for this amendment can be found, for example, in the Specification at page 14, lines 7-24). As explained by the MPEP (§2106.01.I):

> [A] claimed computer-readable medium encoded with a computer program is a computer element which defines structural and functional interrelationships between the computer program and the rest of the computer which permit the computer program's functionality to be realized, and is thus statutory.
>
> * * *

> Only when the claimed invention taken as a whole is directed to a mere program listing, i.e., to only its description or expression, is it descriptive material *per se* and hence nonstatutory.

Therefore, the system of claim 12, which includes one or more computer-readable media, clearly satisfies the requirements of section 101. Accordingly, the rejections of claim 12 and its dependent claims under section 101 should be withdrawn.

Conclusion

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Please apply any necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: February 22, 2012

/Samuel Borodach/
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30655917.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: 2172
Serial No.	: 13/245,001	Examiner	: John M. Heffington
Filed	: September 26, 2011	Conf. No.	: 4575
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the references listed on the enclosed PTO-1449 form. A copy of the listed U.S. patent application publication will be provided on request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. The fees in the amount of $180 in payment of the submission fee of §1.17(p) are being paid concurrently herewith. In addition, please apply any other necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: February 22, 1012

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30671155.doc

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No. 13/245,001
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2011/0296465	Dec 1, 2011	Krishnan et al.			
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12							
	13							
	14							
	15							
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	
	18	
	19	
	20	

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Electronic Patent Application Fee Transmittal

Application Number:	13245001
Filing Date:	26-Sep-2011
Title of Invention:	Play Control of Content on a Display Device
First Named Inventor/Applicant Name:	David Strober
Filer:	Samuel Borodach/Paula Romeo
Attorney Docket Number:	30160-0002002

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt	
EFS ID:	12133821
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	Play Control of Content on a Display Device
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Paula Romeo
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	22-FEB-2012
Filing Date:	26-SEP-2011
Time Stamp:	15:29:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180
RAM confirmation Number	2020
Deposit Account	061050
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		301600002002Amendment.pdf	4158697 be190a6d3d423a74d03d5f62ab21209160883e24	yes	19

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	8
	Applicant Arguments/Remarks Made in an Amendment	9	19

Warnings:

Information:

2		3016000002002IDS.pdf	391355 4f88d8e60b8bafb2569875bc4be1ea7bb068f525	yes	2

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	1
	Information Disclosure Statement (IDS) Form (SB08)	2	2

Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	29772 38e0bebc7be107885c4cc489cf3d484af94647b0	no	2

Warnings:

Information:

Total Files Size (in bytes):	4579824

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
13/245,001	09/26/2011	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 02/22/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 26	Minus	** 27	= 0	X $30 =	0	OR	X $ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $125 =	0	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/LAVINIA JOHNSON/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
13/245,001	09/26/2011	

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY ☒ RATE ($)	SMALL ENTITY ☒ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 02/22/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 26	Minus	** 27	= 0	X $30 =	0	OR	X $ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $125 =	0	OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/LAVINIA JOHNSON/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A machine-implemented method of controlling presentation of video content on a display device by a media player, the method comprising:

receiving, in a server system, one or more signals from a remote personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a universal playback control command for controlling ~~the presentation~~ playing of the video content on the display device by the media player,

converting, by the server system, the universal playback control command into corresponding programming code ~~used by the display device~~ to control playing of the video content on the display device by the media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player; and

storing, in a database associated with the server system, a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code ~~used by the display device~~ to control playing of the video content on the display device by the media player in accordance with the universal playback control command.

2. (Currently amended) The method of claim 1 including:

checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device;

loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player; and

converting the command from the personal computing device into a corresponding JavaScript code ~~used by the display device~~ to control the media player.

3. (Currently amended) The method of claim 1 wherein converting the command into corresponding programming code ~~used by the display device~~ to control the media player includes using information in a look-up table.

4. (Currently amended) The method of claim 3 ~~wherein the command contained in the one or more signals from the personal computing device is in the form of a universal command, and~~ wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a ~~particular~~ different media player.

5. (Canceled)

6. (Original) The method of claim 1 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

7. (Original) The method of claim 1 wherein the video content is an interactive video game.

8. (Original) The method of claim 1 wherein the video content is streaming media.

9. (Original) The method of claim 1 including:

receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played; and

storing in the server system a record establishing a connection between the personal computing device and the display device based on the code.

10. (Original) The method of claim 9 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

11. (Original) The method of claim 9 including assigning a randomly generated code to the display device each time the display device connects to the server system.

12. (Currently amended) A system for controlling playing of video content on a display device by a media player, the system comprising:

a server system;

a first database storing a relationship between a personal computing device and the display device; and

a second database;

wherein the server system is operable to receive one or more signals from a remote personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content, the one or more signals further including a universal playback control command for controlling ~~the presentation~~ playing of the video content on the display device,

one or more computer-readable media storing instructions that when executed by the server system, cause the server system ~~being operable~~ to perform operations including converting the universal playback control command into corresponding programming code ~~used by the display device~~ to control playing of the video content by the media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player;

the server system being further operable to store in the second database a message for transmission to or retrieval by the display device, wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content, and includes the corresponding programming code ~~used by the display device~~ to control playing of the video content on the display device by the media player in accordance with the universal playback control command.

13. (Currently amended) The system of claim 12 including:

a library storing protocols or application programming interfaces,

wherein the server system is operable to check the identity of the media player identified in the one or more signals from the personal computing device, load an appropriate set of protocols or application programming interfaces from the library based on the identity of the media player, and convert the command from the personal computing device into a corresponding programming code ~~used by the display device~~ to control the media player.

14. (Currently amended) The system of claim 12 including:

a look-up table storing a plurality of commands each of which is for a particular type of media player,

wherein the server system is operable to convert the command into corresponding programming code ~~used by the display device~~ to control the media player based on information in the look-up table.

15. (Currently amended) The system of claim 12 ~~wherein the command contained in the one or more signals from the personal computing device is a universal command, and~~ wherein the look-up table stores a correspondence between the universal command and a plurality of specific commands, each of which is for a ~~particular~~ different media player.

16. (Original) The system of claim 15 the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table.

17. (Original) The system of claim 12 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

18. (Original) The system of claim 12 wherein the video content is an interactive video game.

19. (Original) The system of claim 12 wherein the video content is streaming media.

20. (Original) The system of claim 12 wherein the server system is operable to receive a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played, the server system further being operable to store the record establishing a connection between the personal computing device and the display device based on the code.

21. (Original) The system of claim 20 wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

22. (Original) The system of claim 20 wherein the server system is operable to assign a randomly generated code to the display device each time the display device connects to the server system.

23. (Currently amended) An automated machine-implemented method of presenting video content on a display device by a media player, the method comprising:

retrieving, by the display device from a server system, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code ~~used by the display device~~ to control playing of the first video file on the display device by the first media player in accordance with a first playback control command;

obtaining, by the display device, over the Internet the first media player for playing the first video file;

loading the first media player in the display device;

executing the first playback control command with respect to the first video file using the first media player;

subsequently retrieving, by the display device from the server system, second information that specifies a second video file to be acted upon, that identifies a second media player different from the first media player for playing the second video file, and that indicates corresponding programming code ~~used by the display device~~ to control playing of the second video file on the display device by the second media player in accordance with a second playback control command;

obtaining, by the display device, over the Internet the second media player for playing the second video file;

loading the second media player in the display device; and

executing the second playback control command with respect to the second video file using the second media player.

24. (Original) The method of claim 23 wherein the display device comprises a television set with a display screen.

25. (Original) The method of claim 23 wherein the display device comprises a laptop or personal computer.

26. (Original) The method of claim 23 wherein each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file.

27. (Original) The method of claim 23 wherein the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

26211 7590 06/26/2012

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EXAMINER	
HEFFINGTON, JOHN M	

ART UNIT	PAPER NUMBER
2172	

NOTIFICATION DATE	DELIVERY MODE
06/26/2012	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

Office Action Summary	Application No.	Applicant(s)	
	13/245,001	STROBER, DAVID	
	Examiner	Art Unit	
	JOHN HEFFINGTON	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *22 February 2012*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1-4 and 6-27* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4, 6-27* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *9/26/11, 12/13/11, 2/22/12*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This action is in response to the amendment filed 22 February 2012. Claims 1-4, 12-14, 23 have been amended. Claim 5 has been canceled. Claims 1-4, 6-27 are pending and have been considered below.

Response to Arguments

1. Applicant's arguments filed 22 February 2012 have been fully considered but they are not persuasive.

The applicant argues “Thus, the server system acts an interface for facilitating the transfer of information contained in the one or more signals (received from the personal computing device) to the display device. … In view of the fact that in Schwartz's system the application 10 residing on the computing device communicates directly through the home network 20 with the target rendering device, there is no need to perform the particular operations recited in the method of claim 1 and indeed, as explained below, Schwartz does not disclose the claimed method. ... There is nothing in Schwartz to indicate that the messages sent/from the target rendering device to the media server component 100 include a "playback control command" for controlling playing of the video content on the display device.” The examiner respectfully disagrees. Schwartz discloses “The media server component 100 may indicate the availability of the media content and/or may provide access to the media content to the rendering devices, portable media

players, other media destinations, control points and/or multimedia clients which may be accessible to the application 10 using the network 20 and/or other means. … For example, the media server component 100 may indicate the availability of the media content and/or may provide the access to the media content regardless of whether the application 10 is being actively used and/or controlled by the user 40 using the browser user interface 50 and/or the media workspace user interface 80. Thus, the user 40 may discover, may select and/or may access the media content, such as, for example, the internet media content, directly from the media destinations, the control points and/or other applications in the network 20." (paragraph 0130), "The user 40 may access the media server component 100 of the application 10 using a user interface provided by the UPnP AV compliant television." (paragraph 0136). As can be seen, the user can access the media server component directly from the media destination/rendering device using a user interface whether or not any user is actively using or controlling the media server component. Furthermore, Schwartz, discloses "The DDC component 110 may communicate with the target rendering device to control the rendering of the one or more media content objects. For example, the DDC component 110 may control the rendering of the one or more media content objects by the target rendering device in

accordance with playback controls which may be presented by the application 10 in the media workspace user interface 80 and/or which may be accessed, invoked and/or used by the user 40." (paragraph 0119), "The user 40 may access the media server component 100 of the application 10 using a user interface provided by the UPnP AV compliant television. The availability of the bookmarked internet media content may be indicated to the user 40 by the media server component 100, and/or the user 40 may select a specific bookmark to view the associated media content on the UPnP AV compliant television. In response to selection of the specific bookmark, the UPnP AV compliant television may request the associated media content from the media server component 100 of the application 10. The application 10 may request the associated media content from a media content site that provides the media content associated with the specific bookmark. The application 10 may receive the media content associated with the specific bookmark from the media content site. The transcoding engine 90 may transcode, may reformat and/or may repurpose the media content for compatibility with the UPnP AV compliant television. The application 10 may begin transmitting the transcoded, reformatted and/or repurposed media content to the UPnP AV compliant television for rendering as the transcoding engine 90 transcodes, reformats and/or repurposes the media

content." (paragraph 0136). It can be seen that from the media destination/rendering device, the user can request, through the media server, media content via a bookmark. After the media content is selected, the media server determines the capabilities of the media destination/rendering device and sends playback commands depending on the rendering capabilities of the media destination/rendering device. Since any media destination/rendering device, which can have different rendering capabilities from other media destinations/rendering devices, can request media content and the rendering/playback commands will be determined according to the rendering capabilities of the media destination/rendering device, the request for the media content via a bookmark acts as a universal playback control. In addition, the applicant seems to be arguing that the remote personal computing device and the display device are different; however, there is nothing in the claims that requires that the display device and the remote personal computing device be separate. In fact, the limitation, "a message for transmission to or retrieval by the display device," seems to indicate that the remote personal computing device and the display device are connected to each other. Therefore, the media destination/rendering device, which can include a display device, reads on both the personal computing device and the display device.

The applicant argues "Such playback controls are not sent from the target rendering device (which allegedly corresponds to the claimed 'personal computing device') to the media server component 100 or any component of the application 10 (which allegedly corresponds to the claimed "server system").[3] Therefore, the media component 100 of

the application 10 also does not 'convert' any playback control commands that were received 'from' the target rendering device. Furthermore, there is nothing in Schwartz that discloses or suggests that converting a universal playback control command includes 'selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player,' as recited in claim 1." The examiner respectfully disagrees. As argued above, any media destination/rendering device can request media content via a bookmark and the server will send back rendering/playback commands depending on the capabilities of the media destination/rendering device. Clearly, the request for the media content from the media destination/rendering device is intended for "playing" the media content if the media destination/rendering device is capable of "playing" the media content. However, the request for the media content via a book mark does not specify the specific rendering/playback commands, these commands are determined by the server. Therefore, the request by the media destination/rendering device of media content via a bookmark initiates the process in the server of determining the appropriate rendering/playback commands. Furthermore, Schwartz discloses "The DDC component 110 may create, may maintain and/or may update an internal list of the available rendering devices in the network 20. The internal list may have the media capabilities of the available rendering devices. The media capabilities of the available rendering devices may have and/or may be, for example, media types, such as, for example, audio, video and/or image;

multimedia codecs, such as, for example, AAC Audio codec, H.264 video codec and/or the like; profiles and/or levels associated with the multimedia codecs; transport methods; and/or digital rights management ("DRM") technologies which may be supported by the available rendering devices. The present invention is not limited to a specific embodiment of the media capabilities which may be determined by the DDC component 110." (paragraph 0117). That is, Schwartz uses a list to map retrieved media content to a media destination/rendering device and its rendering capabilities and then send the appropriate rendering/playback commands; in other words, the list is used to map a request for media content via a bookmark to the appropriate rendering/playback commands of a media destination/rendering device.

The applicant argues "However, neither the application 10 nor the target rendering device 'retrieves,' from a server system, information (i) that specifies a first video file to be acted upon, (ii) that identifies a first media player for playing the first video file and (iii) that indicates corresponding programming code used to control playing of a video file by the first media player in accordance with a first playback control command." The examiner respectfully disagrees. As shown above, Schwartz discloses a list of available rendering devices and the media capabilities of the available rendering devices, which include media types, such as, audio, video and/or image; multimedia codecs; profiles and/or levels associated with the multimedia codecs and transport methods. When the

media destination/rendering device requests media content, the server application retrieves the specified media content as can be seen in Schwartz"As shown in FIG. 2, the application 10 may access a local content source 35 via the network 20. Although not shown in the figure, local content sources not connected to the network 20 may be accessible to the application 10. For example, the application 10 may be a computer application running on a personal computer which has local content stored on a local hard drive, or which has access to local content stored on a device attached to the personal computer by a local connection, such as, for example, a USB cable." (paragraph 0098) "The application 10 may enable the user 40 to control rendering of each of the media content objects during rendering by the rendering device. The application 10 may initiate rendering of a new media content object from the playlist after completion of rendering of the previous media content object. Further, the application 10 may initiate rendering of a new media content object from the playlist after receiving user input requesting that the rendering skip forward to the next media content object, skip backward to a previous media content object, jump to a selected media content object in the playlist, and/or the like." (paragraph 0106). It is clear in Schwartz that

the server application retrieves media objects from a playlist, the media player and capabilities from the capabilities list.

Schwartz (paragraph 0172 [As another example, the user 40 may have established a user preference to identify Windows Media Audio content only if the Windows Media Audio content is encoded in stereo at a bitrate exceeding seventy-five kbit/s.])

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 12-21 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 12-21 are drawn to a system. The claimed system does not exclude a system composed entirely of software. A media player, a server system and a database could consist of software per se, i.e. it is common is the art for a media player, a server system and a database to be implemented as a software only product, e.g. Microsoft ® Media Player, Microsoft ® Windows Server ® and Microsoft ® SQL Server. Nothing in the claim or the specification requires that the media player, server system or the database be tied to a hardware component. Software per se is none of a process, machine, manufacture or composition of matter, and, therefore is not a statutory category of invention. With respect to the added computer-readable media storing instructions, it is the view of the

Office that instructions can be stored in a transmission signal or wave; therefore, simply claiming a computer-readable medium does not preclude a transmission signal or wave. A transmission signal or wave is none of a process, machine, manufacture or composition of matter, and, therefore is not a statutory category of invention.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-4, 6-10, 12-26 are rejected under 35 U.S.C. 102(e) as being anticiptated by Schwartz et al. (US 2011/00600998 A1).

Claim 1. Schwartz discloses a machine-implemented method of controlling presentation of video content on a display device by a media player (paragraph 0130 [The media server component 100 may indicate the availability of the media content and/or may provide access to the media content to the rendering devices, portable media players, other media destinations, control points and/or multimedia clients which may

be accessible to the application 10 using the network 20 and/or other means.]), the method comprising:

a. receiving, in a server system, one or more signals from a remote personal computing device, the one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content (paragraph 0130 [The media server component 100 may indicate the availability of the media content and/or may provide access to the media content to the rendering devices, portable media players, other media destinations, control points and/or multimedia clients which may be accessible to the application 10 using the network 20 and/or other means. … For example, the media server component 100 may indicate the availability of the media content and/or may provide the access to the media content regardless of whether the application 10 is being actively used and/or controlled by the user 40 using the browser user interface 50 and/or the media workspace user interface 80. Thus, the user 40 may discover, may select and/or may access the media content, such as, for example, the internet media content, directly from the media destinations, the control points and/or other applications in the network 20.], 0136 [The user 40 may access the media server component 100 of the application 10

using a user interface provided by the UPnP AV compliant television.]),

b. the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player (paragraph 0119 [The DDC component 110 may communicate with the target rendering device to control the rendering of the one or more media content objects. For example, the DDC component 110 may control the rendering of the one or more media content objects by the target rendering device in accordance with playback controls which may be presented by the application 10 in the media workspace user interface 80 and/or which may be accessed, invoked and/or used by the user 40.]),

c. converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player (paragraph 0119 [The DDC component 110 may transmit rendering control instructions to the target rendering device.]); wherein,

d. converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player (paragraph 0116 [The DDC component 110 may consult additional

sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices. The capabilities and/or the additional capabilities may indicate the media capabilities for the available rendering devices.], paragraph 0117 [The DDC component 110 may create, may maintain and/or may update an internal list of the available rendering devices in the network 20. The internal list may have the media capabilities of the available rendering devices. The media capabilities of the available rendering devices may have and/or may be, for example, media types, such as, for example, audio, video and/or image; multimedia codecs, such as, for example, AAC Audio codec, H.264 video codec and/or the like; profiles and/or levels associated with the multimedia codecs; transport methods; and/or digital rights management ("DRM") technologies which may be supported by the available rendering devices. The present invention is not limited to a specific embodiment of the media capabilities which may be determined by the DDC component 110.]); and

e. storing, in a database associated with the server system, a message for transmission to or retrieval by the display device (paragraph 0116 [The DDC

component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices. The capabilities and/or the additional capabilities may indicate the media capabilities for the available rendering devices.], paragraph 0117 [The DDC component 110 may create, may maintain and/or may update an internal list of the available rendering devices in the network 20. The internal list may have the media capabilities of the available rendering devices. The media capabilities of the available rendering devices may have and/or may be, for example, media types, such as, for example, audio, video and/or image; multimedia codecs, such as, for example, AAC Audio codec, H.264 video codec and/or the like; profiles and/or levels associated with the multimedia codecs; transport methods; and/or digital rights management ("DRM") technologies which may be supported by the available rendering devices. The present invention is not limited to a specific embodiment of the media capabilities which may be determined by the DDC component 110.], paragraph 0122 [In response to user input directing transfer of one or more media content objects to one of the portable media playback devices, the DDC component 110 may

communicate with the transcoding engine 90 and/or the media server component 100 to obtain the one or more media content objects in a form which may match the media capabilities of the portable media playback device. As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device. The DDC component 110 may communicate with the portable media playback device to transfer the one or more media content objects to the portable media playback device.]), wherein

f. the message specifies the video file to be acted upon, identifies the media player for playing the video content paragraph 0122 [In response to user input directing transfer of one or more media content objects to one of the portable media playback devices, the DDC component 110 may communicate with the transcoding engine 90 and/or the media server component 100 to obtain the one or more media content objects in a form which may match the media capabilities of the portable media playback device. As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device. The DDC component 110 may

communicate with the portable media playback device to transfer the one or more media content objects to the portable media playback device.]), and

g. includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command paragraph 0122 [In response to user input directing transfer of one or more media content objects to one of the portable media playback devices, the DDC component 110 may communicate with the transcoding engine 90 and/or the media server component 100 to obtain the one or more media content objects in a form which may match the media capabilities of the portable media playback device. As a result, the one or more media content objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device. The DDC component 110 may communicate with the portable media playback device to transfer the one or more media content objects to the portable media playback device.]).

There are two embodiments in Schwartz; a first embodiment where the application controls the media destination, and a second embodiment where the media destination

retrieves the media object from a user interface through the application and wherein the media object is transcoded via the transcoding engine. Therefore, the playback commands will be sent from the media destination to the application and the rendering commands will be sent from the application to the media destination.

Claim 2. Schwartz discloses the method of claim 1 and Schwartz further discloses:

a. checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]);

b. loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player (paragraph 0120 [The DDC component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices.]); and

c. converting the command from the personal computing device into a corresponding JavaScript code to control the media player (paragraph 0141 [The

scripts and/or the active objects may include, for example, JavaScript,]).

Claim 3. Schwartz discloses the method of claim 1 and Schwartz further discloses converting the command into corresponding programming code to control the media player includes using information in a look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 4. Schwartz discloses the method of claim 3 and Schwartz further discloses the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a different media player (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 5. canceled.

Claim 6. Schwartz discloses the method of claim 1 and Schwartz further discloses the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.]).

Claim 7. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is an interactive video game (paragraph 0100 [The media destinations 21,22,23 may be, for example, available rendering devices to which media content may be sent; ... a portable gaming device]).

Claim 8. Schwartz discloses the method of claim 1 and Schwartz further discloses the video content is streaming media (paragraph 0097 [The media content may be and/or may have image content, audio content, video content and/or the like. … The media content sites may provide the media content to the application 10 using well-known internet delivery

protocols, such as, for example, Hypertext Transfer Protocol ("HTTP"), Real Time Streaming Protocol ("RTSP"),]).

Claim 9. Schwartz discloses the method of claim 1 and Schwartz further discloses: receiving, in the server system, a code from the personal computing device, wherein the code is uniquely associated with the display device on which the video content is to be played (paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]); and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code (paragraph 0036 [In an embodiment, the method has the step of displaying a visual representation for each of a plurality of rendering devices connected to the network wherein the terminal concurrently displays the first webpage, the first set of symbolic representations and the visual representation for each of the plurality of rendering devices.]).

Claim 10. Schwartz discloses the method of claim 9 and Schwartz further discloses the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device (paragraph 0120 [The DDC

component 110 may exchange protocol messages with the portable media playback devices to determine the capabilities of the portable media playback devices and/or other properties of the portable media playback devices. The other properties may be, for example, a manufacturer name, a model number, a description, a graphic representation, and/or like properties of the portable media playback devices.]).

Claim 12 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 1 and is rejected with the same rational. Schwartz further discloses a first database storing a relationship between a personal computing device and the display device (paragraph 0116 [devices. The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0156 [The media capabilities of the media library may specify the media which is compatible with the associated media player and/or which is appropriate for use with the associated media management application.]). Claims 13, 14, 17, 18, 19, 20, 21 are similarly rejected with the same rational as claims 2, 4, 6, 7, 8, 9, 10.

Claim 15. Schwartz discloses the system of claim 12 and Schwartz further discloses the look-up table stores a correspondence between the universal command and a plurality of specific commands, each of which is for a different media player. (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.]).

Claim 16. Schwartz discloses the system of claim 15 and Schwartz further discloses the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table (paragraph 0116 [The DDC component 110 may consult additional sources, such as, for example, a capabilities database to determine the capabilities and/or the additional capabilities of the available rendering devices.], paragraph 0119 [The rendering control instructions may correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.], paragraph 0122 [As a result, the one or more media content

objects may be requested, may be retrieved, may be transcoded, may be reformatted, and/or may be repurposed for transfer to the portable media playback device.]).

Claim 23. Schwartz discloses an automated machine-implemented method of presenting video content on a display device by a media player (paragraph 0130 [The media server component 100 may indicate the availability of the media content and/or may provide access to the media content to the rendering devices, portable media players, other media destinations, control points and/or multimedia clients which may be accessible to the application 10 using the network 20 and/or other means.]), the method comprising:

a. retrieving, by the display device from a server system, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code to control playing of the first video file on the display device by the first media player (paragraph 0130 [The media server component 100 may indicate the availability of the media content and/or may provide access to the media content to the rendering devices, portable media players, other media destinations, control points and/or multimedia clients which may be accessible to the application 10 using the network 20 and/or other means.

… For example, the media server component 100 may indicate the availability of the media content and/or may provide the access to the media content regardless of whether the application 10 is being actively used and/or controlled by the user 40 using the browser user interface 50 and/or the media workspace user interface 80. Thus, the user 40 may discover, may select and/or may access the media content, such as, for example, the internet media content, directly from the media destinations, the control points and/or other applications in the network 20.], 0136 [The user 40 may access the media server component 100 of the application 10 using a user interface provided by the UPnP AV compliant television.])

b. in accordance with a first playback control command (paragraph 0119 [The DDC component 110 may communicate with the target rendering device to control the rendering of the one or more media content objects. For example, the DDC component 110 may control the rendering of the one or more media content objects by the target rendering device in accordance with playback controls which may be presented by the application 10 in the media workspace user interface 80 and/or which may be accessed, invoked and/or used by the user 40.]);

c. obtaining, by the display device, over the Internet the first media player for playing the first video file, loading the first media player in the display device (paragraph 0004 [Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites.]);

d. executing the first playback control command with respect to the first video file using the first media player (paragraph 0119 [The DDC component 110 may transmit rendering control instructions to the target rendering device.]);

e. subsequently retrieving, by the display device from the server system, second information that specifies a second video file to be acted upon, that identifies a second media player different from the first media player for playing the second video file, and that indicates corresponding programming code to control playing of the second video file on the display device by the second media player in accordance with a second command playback control ; obtaining, by the display device, over the Internet the second media player for playing the second video

file; loading the second media player in the display device; and executing the second playback control command with respect to the second video file using the second media player (paragraph 0117 [The media capabilities of the available rendering devices may have and/or may be, for example, media types, such as, for example, audio, video and/or image; multimedia codecs, such as, for example, AAC Audio codec, H.264 video codec and/or the like; profiles and/or levels associated with the multimedia codecs; transport methods; and/or digital rights management ("DRM") technologies which may be supported by the available rendering devices. The present invention is not limited to a specific embodiment of the media capabilities which may be determined by the DDC component 110.], paragraph 0136 [The user 40 may access the media server component 100 of the application 10 using a user interface provided by the UPnP AV compliant television. The availability of the bookmarked internet media content may be indicated to the user 40 by the media server component 100, and/or the user 40 may select a specific bookmark to view the associated media content on the UPnP AV compliant television. In response to selection of the specific bookmark, the UPnP AV compliant television may request the associated media content from the media server component 100 of the application 10. The

application 10 may request the associated media content from a media content site that provides the media content associated with the specific bookmark. The application 10 may receive the media content associated with the specific bookmark from the media content site. The transcoding engine 90 may transcode, may reformat and/or may repurpose the media content for compatibility with the UPnP AV compliant television. The application 10 may begin transmitting the transcoded, reformatted and/or repurposed media content to the UPnP AV compliant television for rendering as the transcoding engine 90 transcodes, reformats and/or repurposes the media content.], paragraph 0150 [information provided at step 214. The context information may indicate the current context and/or may determine context-specific behavior of a filter used in the filtering of the media content. The context information may be, for example, user input, user preferences, an application state, a current task, a list of one or more media destinations, media capabilities of the one or more media destinations, and/or the like.], paragraph 0153 [The rendering device may be, for example, a networked television, a networked stereo, a networked photo frame, a gaming console, a desktop PC with rendering capabilities, a laptop

PC with rendering capabilities, and/or the like.] The rendering device may have multiple media capabilities, audio, video and/or image and filters may be applied to select media content that is compatible to the capabilities of the device. That is, if audio content is passed through the filter, then the audio content will be played with the audio capability of the device, if video content is passed through the filter, then the video content will be played with the video capability of the device.).

Claim 24. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a television set with a display screen (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions,]).

Claim 25. Schwartz discloses the method of claim 23 and Schwartz further discloses the display device comprises a laptop or personal computer (paragraph 0024 [The home network may have various rendering devices, such as, for example, networked stereos, televisions, personal computers,]).

Claim 26. Schwartz discloses the method of claim 23 and Schwartz further discloses each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file (paragraph 0119 [The rendering control instructions may

correspond to the playback controls, such as, for example, "Play," "Pause," "Stop," "Rewind," "Fast Forward," "Seek to a specific time," "Volume Up," "Volume Down," "Skip to the next media content object," "Skip to the previous media content object", "Jump to a specified media content object," and/or other playback controls known to one having ordinary skill in the art.]).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 11, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1) in view of www.vbulletin.com (Best way to generate Random, Unique Session ID's), hereinafter referred to as vbulletin.

Claim 11. Schwartz discloses the method of claim 9 and Schwartz further discloses "In an embodiment, the method has the step of displaying page selection controls which indicate that multiple webpages are available in a current web browsing session wherein the page selection controls enable the user to select any of the multiple

webpages for display and further wherein one or more of the symbolic representations depict additional media content objects associated with a second webpage which is one of the multiple webpages wherein the second webpage is a different webpage than the first webpage." (paragraph 0064). Schwartz does not disclose assigning a randomly generated code to the display device each time the display device connects to the server system, as disclosed in the claims. However, in the same field of invention, vbulletin discloses "Best way to generate Random, Unique Session ID's" (title). Therefore, considering the teachings of Schwartz and vbullettin, it would have been obvious to one having ordinary skill in the art at the time of the invention to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz. One would have been motivated to add assigning a randomly generated code to the display device each time the display device connects to the server system to the teachings of Schwartz to ensure that each user is assigned a unique session ID such that there is no conflicting user sessions from different users.

Claim 22 discloses a system for controlling playing of video content on a display device similar to the machine-implemented method of claim 11 and is rejected with the same rational.

7. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al. (US 2011/00600998 A1).

Claim 27. Schwartz discloses the method of claim 23, but Schwartz does not disclose the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet, as disclosed in the claims. However, Schwartz discloses "Some media content types may require the user to obtain and/or install an associated media player application and/or a plug-in program, but typically the associated media player application and/or the plug-in program are also available at no cost to the user. Thus, media content sites provide the user with a convenient means to access internet media content and to use the internet media content within the webpages provided by the websites." (paragraph 0004), "The internal list may include portable media playback devices which are not currently connected to and/or available to the application 10. For example, the internal list may include portable media playback devices which have previously been connected to the application 10, which have been configured by the user 40, and/or which are otherwise known to the application 10." (paragraph 0121). Therefore, considering the teachings of Schwartz, it would have been obvious to one having

ordinary skill in the art at the time of the invention to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet to the teachings of Schwartz. One would have been motivated to add the display device checks whether the respective media player needed to play the particular video file already is loaded in the display device before obtaining a copy of the media player over the Internet to the teachings of Schwartz in order to provide users with a convenient means to access internet media content.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN HEFFINGTON whose telephone number is (571)270-1696. The examiner can normally be reached on 8:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boris M. Pesin can be reached on 571-272-4070. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMH
5/28/12

/Boris Pesin/
Supervisory Patent Examiner, Art Unit 2172

Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
	Examiner JOHN HEFFINGTON	Art Unit 2172	Page 1 of 2

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*	B	US-2004/0268451 A1	12-2004	Robbin et al.	999/999.999
*	C	US-2008/0189617 A1	08-2008	Covell et al.	715/738
*	D	US-7,433,922 B2	10-2008	Engstrom, G. Eric	709/205
*	E	US-2009/0164641 A1	06-2009	Rogers et al.	709/227
*	F	US-2009/0259944 A1	10-2009	WU, Hsu-Chih	715/738
*	G	US-2009/0282470 A1	11-2009	YANG et al.	726/12
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*	I	US-2010/0138746 A1	06-2010	Zarom, Rony	715/720
*	J	US-2010/0174993 A1	07-2010	Pennington et al.	715/738
*	K	US-7,774,708 B2	08-2010	Bell et al.	715/738
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	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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Notice of References Cited	Application/Control No. 13/245,001	Applicant(s)/Patent Under Reexamination STROBER, DAVID	
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*	B	US-2011/0289419 A1	11-2011	Yu et al.	715/738
*	C	US-2012/0072846 A1	03-2012	Curtis, Scott	715/738
*	D	US-2012/0110464 A1	05-2012	Chen et al.	715/738
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	F	US-			
	G	US-			
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	I	US-			
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	L	US-			
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	11/20/2011	05/30/2012							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
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	26	✓	✓							
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

SEARCHED			
Class	Subclass	Date	Examiner
715	716	10/20/11	JMH
715	738	5/30/12	JMH

SEARCH NOTES		
Search Notes	Date	Examiner
EAST Search	11/08/11 - 11/20/11	JMH
Text Search 715/716		
EAST Search	5/23/12 - 5/30/12	JMH

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002001	Application No. 13/157,821
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date June 10, 2011	Group Art Unit

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	2	2002/0120666 A1	08/2002	Landsman et al.			
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	6	2003/0004804 a1	01/2003	Landsman et al.			
	7	2003/0005000 a1	01/2003	Landsman et al.			
	8	2003/0018885 a1	01/2003	Landsman et al			
	9	2003/0023488 a1	01/2003	Landsman et al			
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	11	2003/0193520	10/2003	Oetzel, Kenneth G.			
	12	2004/0088728 a1	05/2004	Shimizu, Seiya			
	13	2005/0144305	06/2005	Fegan et al.			
	14	2006/0098624 a1	05/2006	Morgan et al.			
	15	2006/0101098 a1	05/2006	Morgan et al.			
	16	2007/0094408 a1	04/2007	Gundla et al.			
	17	2008/0008439 a1	01/2008	Liu et al.			
	18	2008/0028037 a1	01/2008	Moyer et al.			
	19	7,330,875 b1	02/2008	Parasnis et al.			
	20	2008/0126943 a1	05/2008	Parasnis et al.			
	21	7,424,718 b2	09/2008	Dutton, Faron			
	22	2008/0267369 a1	10/2008	Parlamas et al.			

Examiner Signature	/John Heffington/	Date Considered	05/30/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.H./

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002001	Application No. 13/157,821
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date June 10, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	23	2008/0270881 a1	10/2008	Meyer et al.			
	24	7,440,972 b2	10/2008	Oetzel, Kenneth G.			
	25	7,769827 b2	08/2010	Girouard et al.			
	26	2010/0265939 a1	10/2010	Parlamas et al.			
	27	2010/0281042 a1	11/2010	Windes et al.			
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	29	2011/0090898	04/2011	Patel et al.			
	30	2011/0107227 a1	05/2011	Rempell et al.			
	31	2011/0138354 a1	06/2011	Hertenstein et al.			
	32	2011/0214148 a1	09/2011	Gossweiler et al.			
	33	2011/0231265 a1	09/2011	Brown et al.			
	34	2011/0231566 a1	09/2011	Gelter et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	35							
	36							
	37							
	38							
	39							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	40	Ask Search Internet Search, session identifier random, printed on 11/19/11.
	41	Webopedia computer dictionary, session cookie, printed on 11/19/11.

Examiner Signature	/John Heffington/	Date Considered	05/30/2012

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	Filing Date June 10, 2011	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	42	Webopedia computer dictionary, web identifier, printed on 11/19/11.
	43	Webopedia computer dictionary, user session, printed on 11/19/11.
	44	www.vbulletin.com. Best way to generate Random, Unique ID's, printed on 11/19/11.
	45	www.vbulletin.com. Best way to generate Random, Unique ID's, Internet Archive Wayback Machine, January 16, 2009.
	46	Official communication from the USPTO in Serial No. 13/245,001, dated December 8, 2011.
	47	U.S. Application No. 13/245,001, filed on September 26, 2011.

05/30/2012

/John Heffington/

Examiner Signature	Date Considered

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2011/0296465	Dec 1, 2011	Krishnan et al.			
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12							
	13							
	14							
	15							
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	
	18	
	19	
	20	

Examiner Signature	Date Considered
/John Heffington/	05/30/2012

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	7058356	06/06/2006	Slotznick			
	2	7835505	11/16/2010	Toyama et al.			
	3	7849485	12/07/2010	Paik et al.			
	4	2006/0083194	04/20/2006	Dhrimaj et al.			
	5	2006/0203758	09/14/2006	King Tee et al.			
	6	2007/0202923	08/30/2007	Jung et al.			
	7	2008/0155600	06/26/2008	Klappert et al.			
	8	2009/0228919	09/10/2009	Zott et al.			
	9	2010/0137028	06/03/2010	Farris et al.			
	10	2010/0205628	08/12/2010	Davis et al.			
	11	2011/0030020	02/03/2011	Halttunen			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12	CN101534449	09/16/2009	China				
	13	CN101577650	11/11/2009	China				
	14	CN101778198	07/14/2010	China				
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Examiner Initial	Desig. ID	Document
	17	Hachman, M., "Snapstick's Media Streaming App/Box: Hands On," www.pcmag.com/article2/0,2817,2375455,00.asp, 2 pages, (January 8, 2011).
	18	Dolcourt, J., CES: Snapstick takes on Apple TV, Google TV," http://news.cnet.com/8301-17938_105-20025100-1.html, 3 pages, (December 9, 2010).
	19	Shaivitz, M., "The Web to Your TV, With a Flick of a Wrist? Slapstick Says Yes," http://techcocktail.com/the-web-to-our-tv-with-a-flick-of-a-wrist-slapstick-says-yes-2010-12, 2 pages, (December 10, 2010).
	20	Snapstick – Home, "Snapstick," http://www.snapstick.com/, 2 pages, printed on 3/2/2011.

Examiner Signature	/John Heffington/	Date Considered	06/04/2012

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	Filing Date September 26, 2011	Group Art Unit

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	21	Paul, I., Hands On: YouTube Leanback, PCWORLD, http://www.pcworld.com/article/200769/hands_on_youtube_leanback.html, 3 pages, (July 9, 2010).
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	23	Cheng, J., "Stream AirPlay video to regular TV? Apple might make it happen," http://arstechnica.com/apple/news/2011/03/stream-airplay-video-to-a-regular-tv-apple-migh..., 1 page, printed on 6/7/2011.
	24	"Using the Play To feature to stream media," http://windows.microsoft.com/en-US/windows7/using-the-play-to-feature-to-stream-media, 3 pages, printed on 6/7/2011.
	25	"YouTube – Leanback," http://www.youtube.com/t/leanback, 1 page, printed on 6/7/2011.
	26	"Yahoo!7 TV Guide for iPhone, iPod touch and iPad on the iTunes App Store," http://itunes.apple.com/au/app/yahoo-7-tv-guide/id42471992?mt=8, 2 pages, printed on 6/7/2011.
	27	Hu, C., et al., "Mobile Media Content Sharing in UPnP-Based Home Network Environment," Journal of Information Science and Engineering 24, 1753-1769. (2008).
	28	Fallahkhair, S., et al., "Dual Device User interface Design for Ubiquitous Language Learning: Mobile Phone and Interactive Television (iTV)," Proceedings of the 2005 IEEE Int'l Workshop on Wireless an Mobile Technologies in Education, 8 pages, 2005.

/John Heffington/ 06/04/2012

Examiner Signature /John Heffington/	Date Considered 06/17/2012
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.H./

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	93	715/738.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 14:24
S1	18559	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:50
S2	447	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:51
S3	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:52
S4	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media)) not (strober).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:55
S5	2	"20110138354".pn. and ((video file) same source)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:16
S6	2	"20110138354".pn. and ((mashup application) same video)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:45

S7	2	"20110138354".pn. and ((mashup application) same (video file))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:46
S8	1	"20110060998".pn. and ((player or application) with compatib$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 16:33
S9	0	"20110060998".pn. and (library same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S10	1	"20110060998".pn. and (library and message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S11	0	"20110060998".pn. and (library same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S12	0	"20110060998".pn. and (library same3 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S13	0	"20110060998".pn. and (library same4 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S14	1	"20110060998".pn. and (library same5 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S15	1	"20110060998".pn. and (library same5 server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:00
S16	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:02

S17	2	"20110060998".pn. and (media with content with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:13
S18	2	"20110060998".pn. and (media content object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:16
S19	0	"20110060998".pn. and ((media content object) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S20	1	"20110060998".pn. and ((media content object) same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S21	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:19
S22	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5) same play$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:05
S23	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:15
S24	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:30
S25	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4 or capabilities))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:31
S26	1	"20110060998".pn. and ((media content object) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:57

S27	1	"20110060998".pn. and ((media content) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:59
S28	1	"20110060998".pn. and (((media content) or list) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:21
S29	0	"20110060998".pn. and ((playlist) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S30	0	"20110060998".pn. and ((playlist) same property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S31	1	"20110060998".pn. and ((playlist))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S32	1	"20110060998".pn. and ((playlist) with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:25
S33	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 08:45
S34	0	"20110060998".pn. and (database with (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:18
S35	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:19
S36	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20

S37	1	"20110060998".pn. and (database and (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20
S38	1	"20110060998".pn. and (destination same (device or player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 10:30
S39	1	"20110060998".pn. and (destination with application)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:37
S40	1	"20110060998".pn. and ((media management application) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:58
S41	1	"20110060998".pn. and (server with destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 15:11
S42	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 10:56
S43	1	"20110060998".pn. and ((stor$3 or database or library) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:00
S44	1	"20110060998".pn. and ((compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:09
S45	1	"20110060998".pn. and ((message) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:10
S46	0	"20110060998".pn. and ((property) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17

S47	0	"20110060998".pn. and ((properties) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17
S48	1	"20110060998".pn. and ((property) same2 transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:18
S49	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:49
S50	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:01
S51	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:16
S52	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:32
S53	1	"20110060998".pn. and ((webpage or (web$1page) or (web page)) same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:07
S54	1	"20110060998".pn. and ("210" same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:23
S55	2	"20080086760".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:09
S56	467	((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:43

S57	468	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S58	0	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) with (reload or (re$1load) or reopen or (re$1open)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S59	47	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same (reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:47
S60	41	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same ((reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)) with player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:48
S61	0	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485").PN"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:32
S62	22	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:33
S63	1726	715/716.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:35
S64	370	715/716.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:37
S65	18824	(map$4 or correlat$3 or associat$3 or coordinat$3 or affiliat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:10
S66	18556	(map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with	US-PGPUB; USPAT;	ADJ	ON	2012/05/23 16:11

		((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S67	8518	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S68	4624	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S69	3483	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:13
S70	2491	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and (protocol or api or (application programming interface))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:15
S71	679	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and ((protocol or api or (application programming interface)) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:16
S72	0	13/245001.pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S73	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S74	1	"20110060998".pn. and (request$3 with retriev$3 with render$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/27 19:49
S75	0	"20110060998".pn. and (request with location with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	ADJ	ON	2012/05/28 10:22

			IBM_TDB			
S76	1	"20110060998".pn. and (request same (location with object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 10:23
S77	1	"20110060998".pn. and (((music or audio) and video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:52
S78	1	"20110060998".pn. and (((music or audio) with video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:54
S79	1	"20110060998".pn. and (((music or audio) with video) with (player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 14:02
S80	1304	715/738.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 11:53
S81	59	("20020075332" | "20020120666" | "20020129102" | "20020133518" | "20020198778" | "20030004804" | "20030005000" | "20030018885" | "20030023488" | "20030028565" | "20030193520" | "20040088728" | "20050144305" | "20060098624" | "20060101098" | "20070094408" | "20080008439" | "20080028037" | "20080267369" | "20080270881" | "20100265939" | "20100281042" | "20110060998" | "20110090898" | "20110107227" | "20110138354" | "20110214148" | "20110231265" | "20110231566" | "7330875" | "7424718" | "7440972" | "7769827").PN. or ("20110296465").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 12:30

EAST Search History (Interference)

<This search history is empty>

5/30/2012 2:33:12 PM
C:\Users\jheffington\Documents\OA Folders\13245001\13245001-SearchHistory-1-11-8-2011.wsp

To: PATDOCTC@fr.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 26211

Jun 26, 2012 05:24:49 AM

Dear PAIR Customer:

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 26211 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:
The list of documents shown below is provided as a courtesy and is not part of the official file wrapper. The content of the images shown in PAIR is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
13245001	CTFR	06/26/2012	30160-0002002
	892	06/26/2012	30160-0002002
	1449	06/26/2012	30160-0002002
	1449	06/26/2012	30160-0002002
	1449	06/26/2012	30160-0002002

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	13/245,001	STROBER, DAVID	
	Examiner	Art Unit	
	JOHN HEFFINGTON	2172	

All participants (applicant, applicant's representative, PTO personnel):

(1) *JOHN HEFFINGTON*.

(2) *Samuel Borodach*.

(3) *David Strober*.

(4) _____.

Date of Interview: *17 July 2012*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☒102 ☐103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1,12 and 23*.

Identification of prior art discussed: *Schwartz*.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

The inventor explained the inventive concept of the invention. The examiner, the inventor and the inventor's attorney discussed claim amendments that could overcome the prior art of record and place the claims in condition for allowance. The examiner stated that he would have to perform an updated search for any new amendments to the claims..

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/Boris Pesin/
Supervisory Patent Examiner, Art Unit 2172

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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NOTICE OF ALLOWANCE AND FEE(S) DUE

26211 7590 08/16/2012
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER
HEFFINGTON, JOHN M

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 08/16/2012

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$870	$0	$0	$870	11/16/2012

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26211 7590 08/16/2012
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$870	$0	$0	$870	11/16/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
HEFFINGTON, JOHN M	2172	715-740000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

❑ A check is enclosed.

❑ Payment by credit card. Form PTO-2038 is attached.

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

❑ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

❑ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

26211 7590 08/16/2012
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER	
HEFFINGTON, JOHN M	
ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 08/16/2012

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 4 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 4 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.	Applicant(s)	
	13/245,001	STROBER, DAVID	
	Examiner	Art Unit	
	JOHN HEFFINGTON	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *proposed claim amendments dated 30 July 2012.*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *1-4, 6-27*.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20120728* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Samuel Borodach on 26 July 2012 and 30 July 2012.

The application has been amended as follows:

Claim 1. A machine-implemented method of controlling presentation of video content on a display device [[by a]] that loads any one of a plurality of different media player players, the method comprising:

assigning, by a server system, a synchronization code to thfe display device;

receiving, in the server system, a message from a personal computing device that is separate from the server system and separate from the display device, wherein the message includes the synchronization code;

storing, by the server system, a record establishing an association between the personal computing device and the display device based on the synchronization code;

receiving, in [[a]] the server system, one or more signals from ~~a remote~~ the personal computing device, the one or more signals specifying a video file to be acted upon and identifying a particular media player for playing the video content, the one or

more signals further including a universal playback control command for controlling playing of the video content on the display device by the particular media player,

converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the particular media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player; and

storing, in a database associated with the server system, ~~a message~~ information for transmission to or retrieval by the display device, wherein the ~~message~~ information specifies the video file to be acted upon, identifies the particular media player for playing the video content, and includes the corresponding programming code to control playing of the video content on the display device by the particular media player in accordance with the universal playback control command.

Claim 2. The method of claim 1 including:

checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device;

loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player; and

converting the command from the personal computing device into [[a]] corresponding ~~JavaScript~~ code to control the media player.

Claim 9. The method of claim 1 ~~including: receiving, in the server system, a code from the personal computing device,~~ wherein the synchronization code is uniquely associated with the display device on which the video content is to be played[[;]] ~~and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code~~.

Claim 10. The method of claim 9 wherein the synchronization code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

Claim 11. The method of claim 9 wherein assigning a synchronization code includes ~~including~~ assigning a randomly generated code to the display device each time the display device connects to the server system.

Claim 12. A system for controlling playing of video content on a display device [[by a]] that loads any one of a plurality of different media ~~player~~ players, the system comprising:

a server system;

a first database storing a relationship between a personal computing device and the display device based on a synchronization code assignd by the server system to the display device and received by the server system in a message from the personal computing device, wherein the personal computing device is separate from the server system and separate from the display device; and

a second database;

wherein the server system is ~~operable~~ configured to receive one or more signals from [[a]] the ~~remote~~ personal computing device, the one or more signals specifying a video file to be acted upon and identifying a particular media player for playing the video content, the one or more signals further including a universal playback control command for controlling playing of the video content on the display device,

one or more non-transitory computer-readable media storing instructions that when executed by the server system, cause the server system to perform operations including converting the universal playback control command into corresponding programming code to control playing of the video content of the particular media player, wherein converting the universal playback control command includes selecting from

among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player;

the server system being further ~~operable~~ configured to store in the second database ~~a message~~ information for transmission to or retrieval by the display device, wherein the ~~message~~ information specifies the video file to be acted upon, identifies the particular media player for playing the video content, and includes the corresponding programming code to control playing of the video content on the display device by the particular media player in accordance with the universal playback control command.

Claim 13. The system of claim 12 including:

library storing protocols or application programming interfaces,

wherein the server system is ~~operable~~ configured to check the identity of the media player identified in the one or more signals from the personal computing device, load an appropriate set of protocols or application programming interfaces from the library based on the identity of the media player, and convert the command from the personal computing device into a corresponding programming code used by the display device to control the media player.

Claim 14. The system of claim 12 including:

a look-up table storing a plurality of commands each of which is for a particular type of media player,

wherein the server system is ~~operable~~ configured to convert the command into corresponding programming code to control the media player based on information in the look-up table.

16. The system of claim 15 the server system is ~~operable~~ configured to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table.

Claim 20. The system of claim 12 wherein ~~the server system is operable to receive a code from the personal computing device, wherein~~ the synchronization code is uniquely associated with the display device on which the video content is to be played, ~~the server system further being operable to store the record establishing a connection between the personal computing device and the display device based on the code~~.

Claim 21. The system of claim 20 wherein the synchronization code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

Claim 22. The system of claim 20 wherein the server system is ~~operable~~ configured to assign as the synchronization code a randomly generated code ~~to the display device~~ each time the display device connects to the server system.

Claim 23. An automated machine-implemented method of presenting video content on a display device [[by a]] that loads any one of a plurality of different media player, the method comprising:

displaying, by the display device, a synchronization code that was assigned to the display device by a server system, the server system subsequently storing, based on a message from a personal computing device that is separate from the server system and the display device, an association between the display device and the personal computing device, the message from the personal computing device including the synchronization code.

retrieving, by the display device from a server system, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code to control playing of the first video file on the display device by the first media player in accordance with a first playback control command, wherein the server system previously received, from the personal computing device, one or more signals specifying the first video file identifying the first media player and including the first playback control command;

obtaining, by the display device, over the Internet the first media player for playing the first video file;

loading the first media player in the display device;

executing the first playback control command with respect to the first video file using the first media player;

subsequently retrieving, by the display device from the server system, second information that specifies a second video file to be acted upon, that identifies a second media player different from the first media player for playing the second video file, and that indicates corresponding programming code to control playing of the second video file on the display device by the second media player in accordance with a second playback control command, wherein the server system previously received, from the personal computing device, one or more signals specifying the second video file, identifying the second media player and including the second playback control command;

obtaining, by the display device, over the Internet the second media player for playing the second video file;

loading the second media player in the display device; and

executing the second playback control command with respect to the second video file using the second media player.

Claim 27. The method of claim 23 wherein the display device checks whether the respective media player needed to play the particular one of the video ~~file~~ files already is loaded in the display device before obtaining a copy of the media player over the Internet.

Summary of the Prior Art of Record

Schwartz et al. (US 2011/0060998 A1) – Schwartz discloses A system and a method manage internet media content by identifying relevant media content associated with a webpage, generating a symbolic representation for the identified media and/or presenting the symbolic representation of the identified media to enable media management, organization, retrieval, consumption and/or redirection functionality to be integrated with a web browsing experience. The system and the method may provide enhanced multimedia functionality integrated with a web browsing experience using an application providing web browser functionality, a plug-in program for an existing web browser, and/or an application associated and/or in communication with a web browser.

Hjelmeland Almas et al. (US 2008/0301737 A1) - A portable communication device is equipped with a content and/or channel recommendation function that is configured to provide a user with content recommendations for watching a television program. The portable communication device is used as a remote control to control various aspects of the television. In one embodiment, channel recommendations are made based upon the user's mobile activities. Such activities include: web browsing, web searching,

multimedia content rendered and/or downloaded on the portable communications device, contact information, and calendar information stored on the portable communication device. In another embodiment, the user may view television programs previously and/or currently being watched by a contact.

2. The following is an examiner's statement of reasons for allowance:

Independent claims 1, 12 and 23 are allowable over the prior art of record, specifically, the prior art of record fails to disclose a non-obvious combination made without impermissible hindsight of:

assigning, by a server system, a synchronization code to a display device; receiving, in the server system, a message from a personal computing device that is separate from the server system and separate from the display device, wherein the message includes the synchronization code, one or more signals specifying a video file to be acted upon and identifying a particular media player for playing the video content, the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the particular media player; storing, in a database associated with the server system, information for transmission to or retrieval by the display device, wherein the information specifies the video file to be acted upon, identifies the particular media player for playing the video content, and includes the

corresponding programming code to control playing of the video content on the display device by the particular media player in accordance with the universal playback control command.

The respective dependent claims add further limitations to the allowable subject matter of the independent claims and are, therefore, allowable over the prior art of record. Specifically, the prior art fails to clearly teach or fairly suggest the combination of elements as recited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN HEFFINGTON whose telephone number is (571)270-1696. The examiner can normally be reached on 8:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Boris M. Pesin can be reached on 571-272-4070. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMH
7/30/12
/Boris Pesin/
Supervisory Patent Examiner, Art Unit 2172

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*	C	US-2002/0129102 A1	09-2002	Landsman et al.	709/203
*	D	US-2002/0133518 A1	09-2002	Landsman et al.	707/513
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*	F	US-2003/0004804 A1	01-2003	Landsman et al.	705/14
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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	U	ask-search-q=mobile+device+server+display+device&qs
	V	Ask-Search-q=session+identifier+random&qsrc=0&o=0&l-11-19-2011
	W	webopedia-com-session_cookie-11-19-2011
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	JOHN HEFFINGTON	2172

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SEARCH NOTES		
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EAST Search	11/08/11 - 11/20/11	JMH
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EAST Search	7/17/12 - 7/29/12	JMH
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Manage **Mobile Devices** with System Center | TechNet Magazine
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Overview of **mobile devices** and SharePoint 2013 Preview
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Display device information
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hostname is the fully qualified hostname of the portal **server**. port is the port ... To **display** the **device** policies for a **mobile device** as well as the user agent and ...

Mobile Device Management
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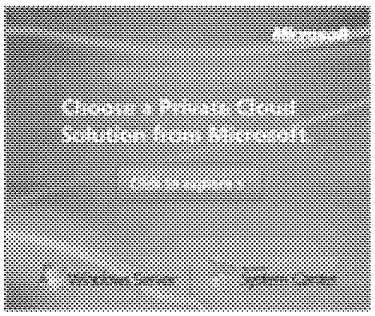

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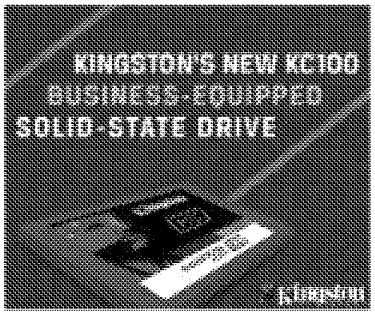

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session cookie

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Also called a *transient cookie*, a cookie that is erased when the user closes the Web browser. The session cookie is stored in temporary memory and is not retained after the browser is closed. Session cookies do not collect information from the user's computer. They typically will store information in the form of a session identification that does not personally identify the user.

Compare with *persistent cookie*.

Previous Term

Next Term

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persistent cookie »
user session »
returning sessions »
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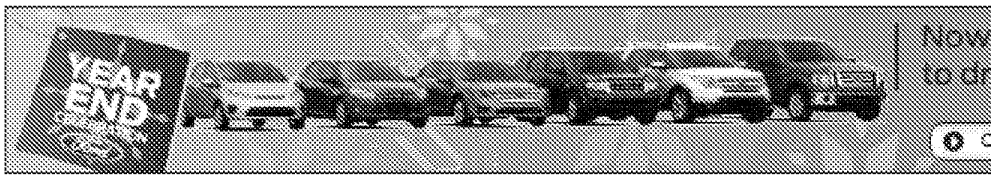

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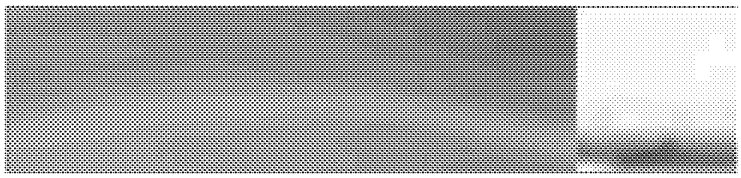

user session

Like 1 0 0

(1) The session of activity that a user with a unique IP address spends on a Web site during a specified period of time. The number of user sessions on a site is used in measuring the amount of traffic a Web site gets. The site administrator determines what the time frame of a user session will be (e.g., 30 minutes). If the visitor comes back to the site within that time period, it is still considered one user session because any number of visits within that 30 minutes will only count as one session. If the visitor returns to the site after the allotted time period has expired, say an hour from the initial visit, then it is counted as a separate user session.

Contrast with unique visitor, hit, click-through and page view, which are all other ways that site administrators measure the amount of traffic a Web site gets.

(2) The period of time a user interfaces with an application. The user session begins when the user accesses the application and ends when the user quits the application.

Previous Term Next Term

Related Terms

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session cookie »
returning sessions »
session controller »
WSP »
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View Full Version : Best way to generate Random, Unique Session ID's

Lorddraco98 Mon 2nd Dec '02, 9:08pm

i'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP??

Gamefreak Wed 4th Dec '02, 4:47pm

use the function uniqid(val$)

the val$ can be blank, but if you put something in there it will have that val$ in the id. After you do that, then put the result through md5(), it will give you good session ids.

Scott MacVicar Wed 4th Dec '02, 8:19pm

Originally posted by Lorddraco98
i'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and then sent to the user. The userid and sessionid along with info about the user(IP, username, etc) are inserted into a MySQL DB. I'm looking for a way to generate a random, unique sessionid that PHP can make, store in the DB, insert into that cookie, and can also use to look up a user in the DB. So what's the best way to generate a random, unique session ID with PHP?? just try and shove as much random stuff into md5, i use the following

```
md5(uniqid(microtime()) . $_SERVER['REMOTE_ADDR'] . $_SERVER['HTTP_USER_AGENT']);
```

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	Examiner	Art Unit
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ORIGINAL		INTERNATIONAL CLASSIFICATION	
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			DERWENT; IBM_TDB			
S18	2	"20110060998".pn. and (media content object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:16
S19	0	"20110060998".pn. and ((media content object) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S20	1	"20110060998".pn. and ((media content object) same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S21	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:19
S22	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5) same play$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:05
S23	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:15
S24	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:30
S25	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4 or capabilities))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:31
S26	1	"20110060998".pn. and ((media content object) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:57
S27	1	"20110060998".pn. and ((media content) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/10 15:59

			DERWENT; IBM_TDB			
S28	1	"20110060998".pn. and (((media content) or list) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:21
S29	0	"20110060998".pn. and ((playlist) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S30	0	"20110060998".pn. and ((playlist) same property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S31	1	"20110060998".pn. and ((playlist))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S32	1	"20110060998".pn. and ((playlist) with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:25
S33	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 08:45
S34	0	"20110060998".pn. and (database with (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:18
S35	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:19
S36	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20
S37	1	"20110060998".pn. and (database and (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/11 09:20

			DERWENT; IBM_TDB			
S38	1	"20110060998".pn. and (destination same (device or player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 10:30
S39	1	"20110060998".pn. and (destination with application)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:37
S40	1	"20110060998".pn. and ((media management application) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:58
S41	1	"20110060998".pn. and (server with destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 15:11
S42	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 10:56
S43	1	"20110060998".pn. and ((stor$3 or database or library) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:00
S44	1	"20110060998".pn. and ((compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:09
S45	1	"20110060998".pn. and ((message) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:10
S46	0	"20110060998".pn. and ((property) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17
S47	0	"20110060998".pn. and ((properties) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/18 14:17

			DERWENT; IBM_TDB			
S48	1	"20110060998".pn. and ((property) same2 transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:18
S49	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:49
S50	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:01
S51	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:16
S52	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:32
S53	1	"20110060998".pn. and ((webpage or (web$1page) or (web page)) same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:07
S54	1	"20110060998".pn. and ("210" same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:23
S55	2	"20080086760".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:09
S56	467	((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:43
S57	468	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/20 17:44

			DERWENT; IBM_TDB			
S58	0	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) with (reload or (re$1load) or reopen or (re$1open)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S59	47	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same (reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:47
S60	41	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same ((reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)) with player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:48
S61	0	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485")".PN"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:32
S62	22	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:33
S63	1726	715/716.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:35
S64	370	715/716.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:37
S65	18824	(map$4 or correlat$3 or associat$3 or coordinat$3 or affiliat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:10
S66	18556	(map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:11

S67	8518	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S68	4624	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S69	3483	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:13
S70	2491	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and (protocol or api or (application programming interface))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:15
S71	679	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and ((protocol or api or (application programming interface)) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:16
S72	0	13/245001.pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S73	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S74	1	"20110060998".pn. and (request$3 with retriev$3 with render$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/27 19:49
S75	0	"20110060998".pn. and (request with location with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 10:22
S76	1	"20110060998".pn. and (request same (location with object))	US-PGPUB; USPAT;	ADJ	ON	2012/05/28 10:23

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S77	1	"20110060998".pn. and (((music or audio) and video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:52
S78	1	"20110060998".pn. and (((music or audio) with video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:54
S79	1	"20110060998".pn. and (((music or audio) with video) with (player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 14:02
S80	1304	715/738.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 11:53
S81	59	("20020075332" | "20020120666" | "20020129102" | "20020133518" | "20020198778" | "20030004804" | "20030005000" | "20030018885" | "20030023488" | "20030028565" | "20030193520" | "20040088728" | "20050144305" | "20060098624" | "20060101098" | "20070094408" | "20080008439" | "20080028037" | "20080267369" | "20080270881" | "20100265939" | "20100281042" | "20110060998" | "20110090898" | "20110107227" | "20110138354" | "20110214148" | "20110231265" | "20110231566" | "7330875" | "7424718" | "7440972" | "7769827").PN. or ("20110296465").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 12:30
S82	93	715/738.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 14:24
S83	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/17 10:57
S84	1	"20110060998".pn. and (application same server)	US-PGPUB; USPAT; FPRS;	ADJ	ON	2012/07/17 11:48

			EPO; JPO; DERWENT; IBM_TDB			
S85	133564	((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) and ((display$3 or screen or television or tv) with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:38
S86	78416	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:41
S87	21574	((((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:49
S88	9620	((((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:50
S89	3011	((((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) and ((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:52
S90	2130	((((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and ((((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with (computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:53
S91	1793	((((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with	US-PGPUB; USPAT; FPRS;	ADJ	ON	2012/07/28 08:54

		server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with server)	EPO; JPO; DERWENT; IBM_TDB			
S92	83	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:55
S93	0	(11/755871).APP.	USPAT; USOCR	ADJ	ON	2012/07/28 09:34
S94	2	("2008/0301737").URPN.	USPAT	ADJ	ON	2012/07/28 09:34
S95	401	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:41
S96	318	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player)) not S92	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:41
S97	8	("20070050054" | "6813775" | "20040008972" | "20060212906").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:50
S98	85	(US-20110231566-$ or US-20110231565-$ or US-20110231265-$ or US-20110228768-$ or US-20110214148-$ or US-20110138354-$ or US-20110125594-$ or US-20110107227-$ or US-20110090898-$ or US-20110060998-$ or US-20110035692-$ or US-20110014972-$ or US-20100281042-$ or US-20100265939-$ or US-20100198860-$ or US-20090254827-$ or US-20090049373-$ or US-20080270881-$ or US-20080267369-$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/07/28 09:51

		20080187279-$ or US-20080140849-$ or US-20080126943-$ or US-20080028037-$ or US-20080008439-$ or US-20070112785-$ or US-20070094408-$).did. or (US-20070083540-$ or US-20070055986-$ or US-20060265657-$ or US-20060263038-$ or US-20060200832-$ or US-20060101098-$ or US-20060098624-$ or US-20050144305-$ or US-20040268224-$ or US-20040088728-$ or US-20030193520-$ or US-20030028565-$ or US-20030023488-$ or US-20030018885-$ or US-20030005000-$ or US-20030004804-$ or US-20020198778-$ or US-20020133518-$ or US-20020129102-$ or US-20020120666-$ or US-20020075332-$ or US-20120110464-$ or US-20120072846-$ or US-20110289419-$ or US-20100325552-$ or US-20100313135-$ or US-20100174993-$).did. or (US-20100138746-$ or US-20100094728-$ or US-20090282470-$ or US-20090259944-$ or US-20090164641-$ or US-20080189617-$ or US-20040268451-$ or US-20030142127-$ or US-20120166560-$ or US-20110296454-$ or US-20110161396-$ or US-20110156879-$ or US-20110007901-$ or US-20100283586-$ or US-20090094331-$ or US-20080301737-$ or US-20080034394-$ or US-20030182663-$ or US-20070050054-$ or US-20040008972-$).did. or (US-7769827-$ or US-7440972-$ or US-7424718-$ or US-7330875-$ or US-7774708-$ or US-7433922-$ or US-8171507-$ or US-7814144-$ or US-8086679-$ or US-7453454-$).did. or (WO-2007024271-$ or WO-02080545-$).did.				
S99	12	S98 and "715"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:51
S104	8972	(715/734 or 715/738 or 715/740 or 715/751 or 715/764 or 715/835).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 13:12
S105	5000	(US-20120192113-$ or US-20120192109-$ or US-20120192094-$ or US-20120192092-$ or US-20120192090-$ or US-20120192084-$ or US-20120192079-$ or US-20120192078-$ or US-20120192077-$ or US-20120192076-$ or US-20120192075-$ or US-20120192074-$	US-PGPUB; USPAT	ADJ	ON	2012/07/28 18:13

		or US-20120192064-$ or US-20120191560-$ or US-20120185822-$ or US-20120185795-$ or US-20120185778-$ or US-20120185777-$ or US-20120185775-$ or US-20120185768-$ or US-20120179999-$ or US-20120179998-$ or US-20120179997-$ or US-20120179974-$ or US-20120179973-$ or US-20120179972-$).did. or (US-20120174037-$ or US-20120174035-$ or US-20120174034-$ or US-20120174006-$ or US-20120174005-$ or US-20120174004-$ or US-20120173994-$ or US-20120173992-$ or US-20120173988-$ or US-20120173987-$ or US-20120173979-$ or US-20120173977-$ or US-20120173339-$ or US-20120167013-$ or US-20120167011-$ or US-20120167008-$ or US-20120166983-$ or US-20120166982-$ or US-20120166967-$ or US-20120166962-$ or US-20120166961-$ or US-20120166960-$ or US-20120166959-$ or US-20120166956-$ or US-20120166462-$ or US-20120164989-$ or US-20120159396-$).did. or (US-20120159395-$ or US-20120159387-$ or US-20120159360-$ or US-20120159357-$ or US-20120159348-$ or US-20120159347-$ or US-20120159344-$ or US-20120159343-$ or US-20120159342-$ or US-20120159340-$ or US-20120159339-$ or US-20120159338-$ or US-20120159337-$ or US-20120158512-$ or US-20120154283-$ or US-20120151557-$ or US-20120151415-$ or US-20120151392-$ or US-20120151391-$ or US-20120151390-$ or US-20120151381-$ or US-20120151378-$ or US-20120151377-$ or US-20120151374-$ or US-20120151373-$ or US-20120151372-$ or US-20120151371-$).did. or (US-20120151370-$ or US-20120151369-$ or US-20120151368-$ or US-20120151367-$ or US-20120151366-$ or US-20120151365-$ or US-20120151352-$ or US-20120151348-$ or US-20120151318-$ or US-20120144329-$ or US-20120144328-$ or US-20120144317-$ or US-20120144316-$ or US-20120144308-$ or US-20120144301-$ or US-20120143903-$ or US-20120143831-$ or US-20120143661-$ or US-20120143590-$ or US-20120139897-$ or US-20120137254-$ or US-20120137253-$ or US-20120137224-$ or US-20120136754-$ or US-20120131510-$ or US-20120131509-$ or US-20120131508-$).did. or (US-					

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		20080040680-$ or US-20080040679-$ or US-20080040676-$ or US-20080040673-$ or US-20080040671-$ or US-20080040427-$).did. or (US-20080034327-$ or US-20080034325-$ or US-20080034318-$ or US-20080034314-$ or US-20080034310-$ or US-20080034308-$ or US-20080034307-$ or US-20080034306-$ or US-20080034305-$ or US-20080034304-$ or US-20080034292-$ or US-20080034291-$ or US-20080034289-$ or US-20080034288-$ or US-20080034081-$ or US-20080034018-$ or US-20080033986-$ or US-20080028338-$ or US-20080028329-$ or US-20080028328-$ or US-20080027928-$ or US-20080022220-$ or US-20080022218-$ or US-20080022217-$ or US-20080022215-$ or US-20080022209-$ or US-20080022201-$).did. or (US-20080022195-$ or US-20080019614-$ or US-20080016468-$ or US-20080016467-$ or US-20080016466-$ or US-20080016458-$ or US-20080016456-$ or US-20080016454-$ or US-20080016447-$ or US-20080016438-$ or US-20080016208-$ or US-20080010602-$ or US-20080010601-$ or US-20080010591-$ or US-20080010586-$ or US-20080005698-$ or US-20080005689-$ or US-20080005687-$ or US-20080005686-$ or US-20080005685-$ or US-20080005684-$ or US-20080005676-$ or US-20080005675-$ or US-20080005674-$ or US-20080005668-$ or US-20080005231-$ or US-20080005103-$).did. or (US-20070300188-$ or US-20070300185-$ or US-20070300181-$ or US-20070300172-$ or US-20070300171-$ or US-20070300170-$ or US-20070300169-$ or US-20070300163-$ or US-20070300156-$ or US-20070294640-$ or US-20070294632-$ or US-20070294631-$ or US-20070294630-$ or US-20070294627-$ or US-20070294626-$ or US-20070294613-$ or US-20070288858-$ or US-20070288851-$ or US-20070288850-$ or US-20070288839-$ or US-20070283286-$ or US-20070283285-$ or US-20070283284-$ or US-20070283278-$ or US-20070283273-$ or US-20070283271-$ or US-20070283261-$).did. or (US-20070282947-$ or US-20070277149-$ or US-20070277120-$ or US-20070277113-$ or US-20070277112-$ or US-20070277101-$ or US-20070271516-$ or US-20070271515-$ or US-20070271512-$ or US-				

		20070271509-$ or US-20070271505-$ or US-20070271502-$ or US-20070271498-$ or US-20070266331-$ or US-20070266330-$ or US-20070266327-$ or US-20070266322-$ or US-20070266093-$ or US-20070265933-$ or US-20070260503-$ or US-20070256026-$ or US-20070256025-$ or US-20070255742-$ or US-20070255694-$ or US-20070250785-$ or US-20070250784-$ or US-20070250779-$).did. or (US-20070250531-$ or US-20070245264-$ or US-20070245255-$ or US-20070245254-$ or US-20070244717-$ or US-20070244716-$ or US-20070244715-$ or US-20070240080-$ or US-20070240073-$ or US-20070240072-$ or US-20070240071-$ or US-20070240070-$ or US-20070240057-$ or US-20070239521-$ or US-20070237375-$ or US-20070234354-$ or US-20070234227-$ or US-20070234225-$ or US-20070234217-$ or US-20070234209-$ or US-20070234208-$ or US-20070226651-$ or US-20070226644-$ or US-20070226638-$ or US-20070226636-$ or US-20070226630-$ or US-20070226629-$).did. or (US-20070226627-$ or US-20070226615-$ or US-20070226611-$ or US-20070226604-$ or US-20070220563-$ or US-20070220439-$ or US-20070220427-$ or US-20070220424-$ or US-20070219956-$ or US-20070219945-$ or US-20070218445-$ or US-20070216700-$ or US-20070214471-$ or US-20070214425-$ or US-20070214423-$ or US-20070209015-$ or US-20070209007-$ or US-20070208840-$ or US-20070208623-$ or US-20070208582-$ or US-20070204321-$ or US-20070204232-$ or US-20070204231-$ or US-20070204034-$ or US-20070203775-$ or US-20070199025-$ or US-20070198941-$).did. or (US-20070198925-$ or US-20070198516-$ or US-20070192728-$ or US-20070192716-$ or US-20070192715-$ or US-20070192714-$ or US-20070192713-$ or US-20070192712-$ or US-20070192711-$ or US-20070192710-$ or US-20070192681-$ or US-20070192423-$ or US-20070186193-$ or US-20070186188-$ or US-20070186177-$ or US-20070186176-$ or US-20070186175-$ or US-20070186171-$ or US-20070186169-$ or US-20070186157-$ or US-20070186154-$ or US-20070186150-$ or US-20070185752-$ or US-20070182741-$ or US-				

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		20070101296-$ or US-20070101285-$ or US-20070101284-$ or US-20070101282-$ or US-20070101281-$ or US-20070101279-$ or US-20070101273-$ or US-20070101272-$ or US-20070101270-$ or US-20070101256-$ or US-20070101254-$ or US-20070100797-$ or US-20070100660-$ or US-20070089070-$ or US-20070089065-$).did. or (US-20070089064-$ or US-20070089050-$ or US-20070083853-$ or US-20070083806-$ or US-20070079286-$ or US-20070079285-$ or US-20070079245-$ or US-20070079244-$ or US-20070079238-$ or US-20070079227-$ or US-20070078953-$ or US-20070074129-$ or US-20070074128-$ or US-20070074127-$ or US-20070074126-$ or US-20070074125-$ or US-20070074122-$ or US-20070074102-$ or US-20070067738-$ or US-20070067732-$ or US-20070067730-$ or US-20070067729-$ or US-20070067728-$ or US-20070067721-$ or US-20070061748-$ or US-20070061747-$ or US-20070061746-$).did. or (US-20070061745-$ or US-20070061733-$ or US-20070061730-$ or US-20070061719-$ or US-20070061715-$ or US-20070061697-$ or US-20070061132-$ or US-20070055940-$ or US-20070052685-$ or US-20070050731-$ or US-20070050730-$ or US-20070050727-$ or US-20070050726-$ or US-20070050725-$ or US-20070050724-$ or US-20070050723-$ or US-20070050722-$ or US-20070050721-$ or US-20070050720-$ or US-20070050717-$ or US-20070050401-$ or US-20070046628-$ or US-20070044036-$ or US-20070044032-$ or US-20070044031-$ or US-20070044026-$ or US-20070044025-$).did. or (US-20070044024-$ or US-20070044023-$ or US-20070043782-$ or US-20070039007-$ or US-20070038939-$ or US-20070038696-$ or US-20070033633-$ or US-20070033538-$ or US-20070033537-$ or US-20070033536-$ or US-20070033531-$ or US-20070033529-$ or US-20070033262-$ or US-20070033169-$ or US-20070033117-$ or US-20070032996-$ or US-20070028188-$ or US-20070028187-$ or US-20070028182-$ or US-20070028181-$ or US-20070028180-$ or US-20070028177-$ or US-20070028175-$ or US-20070028174-$ or US-20070022387-$ or US-20070022386-$ or US-20070022382-$).did. or (US-					

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		20060230354-$ or US-20060230352-$ or US-20060230115-$ or US-20060228096-$ or US-20060225121-$ or US-20060224993-$ or US-20060224985-$ or US-20060224984-$ or US-20060224983-$ or US-20060224982-$ or US-20060224968-$ or US-20060224967-$).did. or (US-20060224963-$ or US-20060221091-$ or US-20060218585-$ or US-20060218498-$ or US-20060218247-$ or US-20060212832-$ or US-20060212831-$ or US-20060212830-$ or US-20060212821-$ or US-20060212820-$ or US-20060212819-$ or US-20060212814-$ or US-20060212813-$ or US-20060212791-$ or US-20060209071-$ or US-20060206831-$ or US-20060206830-$ or US-20060206829-$ or US-20060206828-$ or US-20060206827-$ or US-20060206821-$ or US-20060206818-$ or US-20060206809-$ or US-20060206791-$ or US-20060206499-$ or US-20060200782-$ or US-20060200781-$).did. or (US-20060200776-$ or US-20060200774-$ or US-20060200773-$ or US-20060200771-$ or US-20060197782-$ or US-20060197779-$ or US-20060195793-$ or US-20060195791-$ or US-20060195785-$ or US-20060190844-$ or US-20060190841-$ or US-20060190832-$ or US-20060190831-$ or US-20060190829-$ or US-20060190828-$ or US-20060190827-$ or US-20060190826-$ or US-20060184900-$ or US-20060184898-$ or US-20060184890-$ or US-20060184889-$ or US-20060184884-$ or US-20060184874-$ or US-20060184871-$ or US-20060184865-$ or US-20060181532-$ or US-20060181518-$).did. or (US-20060179414-$ or US-20060179413-$ or US-20060179412-$ or US-20060179411-$ or US-20060179118-$ or US-20060174277-$ or US-20060174209-$ or US-20060174206-$ or US-20060174205-$ or US-20060174204-$ or US-20060174203-$ or US-20060174202-$ or US-20060174200-$ or US-20060174197-$ or US-20060168546-$ or US-20060168543-$ or US-20060168542-$ or US-20060168535-$ or US-20060168531-$ or US-20060168530-$ or US-20060168529-$ or US-20060168526-$ or US-20060168183-$ or US-20060168182-$ or US-20060161868-$ or US-20060161854-$ or US-20060161851-$).did. or (US-20060161838-$ or US-20060161620-$ or US-20060158460-$ or US-				

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		20020085026-$ or US-20020085025-$ or US-20020085024-$ or US-20020080176-$ or US-20020080175-$ or US-20020080172-$ or US-20020080171-$ or US-20020080167-$ or US-20020080166-$).did. or (US-20020080165-$ or US-20020080164-$ or US-20020078197-$ or US-20020078088-$ or US-20020077879-$ or US-20020075323-$ or US-20020075322-$ or US-20020075312-$ or US-20020075311-$ or US-20020075310-$ or US-20020075309-$ or US-20020075305-$ or US-20020075304-$ or US-20020075303-$ or US-20020075298-$ or US-20020073152-$ or US-20020070982-$ or US-20020070968-$ or US-20020070967-$ or US-20020070962-$ or US-20020070961-$ or US-20020069246-$ or US-20020067374-$ or US-20020060695-$ or US-20020055981-$ or US-20020055919-$ or US-20020054156-$).did. or (US-20020054114-$ or US-20020054113-$ or US-20020054112-$ or US-20020054111-$ or US-20020054110-$ or US-20020054109-$ or US-20020054108-$ or US-20020054107-$ or US-20020054106-$ or US-20020054105-$ or US-20020054104-$ or US-20020054103-$ or US-20020054102-$ or US-20020054101-$ or US-20020054084-$ or US-20020054083-$ or US-20020054082-$ or US-20020054081-$ or US-20020054080-$ or US-20020054079-$ or US-20020051019-$ or US-20020051015-$ or US-20020051014-$ or US-20020051012-$ or US-20020051011-$ or US-20020047868-$ or US-20020044160-$).did. or (US-20020039114-$ or US-20020038218-$ or US-20020036662-$ or US-20020036659-$ or US-20020036658-$ or US-20020036657-$ or US-20020036653-$ or US-20020033846-$ or US-20020033845-$ or US-20020033843-$ or US-20020032740-$ or US-20020027569-$ or US-20020027567-$ or US-20020026483-$ or US-20020026480-$ or US-20020024538-$ or US-20020018079-$ or US-20020016788-$ or US-20020015057-$ or US-20020013836-$ or US-20020012013-$ or US-20020010713-$ or US-20020008719-$ or US-20020008718-$ or US-20020008717-$ or US-20020000999-$ or US-20010052912-$).did. or (US-20010051892-$ or US-20010044808-$ or US-20010044796-$ or US-20010035880-$ or US-20010030664-$ or US-20010030662-$ or US-				

		20010028368-$ or US-20010028367-$ or US-20010028365-$ or US-20010028364-$ or US-20010026288-$ or US-20010026287-$ or US-20010017633-$ or US-20010013877-$ or US-20010012023-$ or US-20010009424-$ or US-20010000964-$ or US-20010000811-$ or US-20010000668-$).did. or (US-8230498-$ or US-8230363-$ or US-8230360-$ or US-8230358-$ or US-8230354-$ or US-8230352-$ or US-8230350-$ or US-8230349-$ or US-8230348-$ or US-8230347-$ or US-8230346-$ or US-8230075-$ or US-8229955-$ or US-8229953-$ or US-8229931-$ or US-8229754-$ or US-8229410-$ or US-8228517-$ or US-8228344-$ or US-8228332-$ or US-8225350-$ or US-8225229-$ or US-8225224-$ or US-8225223-$ or US-8225218-$ or US-8225217-$).did. or (US-8225215-$ or US-8225212-$ or US-8225211-$ or US-8224956-$ or US-8224839-$ or US-8223370-$ or US-8223355-$ or US-8223349-$ or US-8223165-$ or US-8219931-$ or US-8219929-$ or US-8219923-$ or US-8219916-$ or US-8219910-$ or US-8219902-$ or US-8219531-$ or US-8218177-$ or US-8217854-$ or US-8214802-$ or US-8214759-$ or US-8214755-$ or US-8214754-$ or US-8214748-$ or US-8214747-$ or US-8214746-$ or US-8214745-$ or US-8214743-$).did. or (US-8214738-$ or US-8214737-$ or US-8214430-$ or US-8214395-$ or US-8214367-$ or US-8213969-$ or US-8213776-$ or US-8212834-$ or US-8212833-$ or US-8209706-$ or US-8209633-$ or US-8209629-$ or US-8209625-$ or US-8209621-$ or US-8209620-$ or US-8209619-$ or US-8209615-$ or US-8209614-$ or US-8209611-$ or US-8209378-$ or US-8209356-$ or US-8205172-$ or US-8205165-$ or US-8205164-$ or US-8205163-$ or US-8205162-$ or US-8205161-$).did. or (US-8205008-$ or US-8204713-$ or US-8203980-$ or US-8203731-$ or US-8201141-$ or US-8201104-$ or US-8201103-$ or US-8201098-$ or US-8201097-$ or US-8201094-$ or US-8201090-$ or US-8200975-$ or US-8200808-$ or US-8200004-$ or US-8196057-$ or US-8196055-$ or US-8196054-$ or US-8196053-$ or US-8196052-$ or US-8196051-$ or US-8196049-$ or US-8196048-$ or US-8196047-$ or US-8196044-$ or US-8195701-$ or US-8195310-$ or US-8191012-$).did. or (US-8191011-$ or US-8191008-$ or US-8191007-$ or US-8191002-$ or US-				

		8191000-$ or US-8190997-$ or US-8190994-$ or US-8190993-$ or US-8190987-$ or US-8190792-$ or US-8190719-$ or US-8190221-$ or US-8185840-$ or US-8185838-$ or US-8185837-$ or US-8185836-$ or US-8185835-$ or US-8185834-$ or US-8185833-$ or US-8185832-$ or US-8185830-$ or US-8185827-$ or US-8185826-$ or US-8185825-$ or US-8185824-$ or US-8185593-$ or US-8185591-$).did. or (US-8185562-$ or US-8184335-$ or US-8181198-$ or US-8181124-$ or US-8181114-$ or US-8181111-$ or US-8181108-$ or US-8180657-$ or US-8176432-$ or US-8176430-$ or US-8176428-$ or US-8176411-$ or US-8176149-$ or US-8175927-$ or US-8175863-$ or US-8174506-$ or US-8171546-$ or US-8171432-$ or US-8171431-$ or US-8171426-$ or US-8171424-$ or US-8171423-$ or US-8171420-$ or US-8171419-$ or US-8171418-$ or US-8171416-$ or US-8171414-$).did. or (US-8171413-$ or US-8171411-$ or US-8171408-$ or US-8171406-$ or US-8171394-$ or US-8166419-$ or US-8166412-$ or US-8166410-$ or US-8166409-$ or US-8166407-$ or US-8166405-$ or US-8166403-$ or US-8166402-$ or US-8164770-$ or US-8161415-$).did.				
S106	8972	(715/734 or 715/738 or 715/740 or 715/751 or 715/764 or 715/835).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/29 07:29
S107	5000	(US-20120192113-$ or US-20120192109-$ or US-20120192094-$ or US-20120192092-$ or US-20120192090-$ or US-20120192084-$ or US-20120192079-$ or US-20120192078-$ or US-20120192077-$ or US-20120192076-$ or US-20120192075-$ or US-20120192074-$ or US-20120192064-$ or US-20120191560-$ or US-20120185822-$ or US-20120185795-$ or US-20120185778-$ or US-20120185777-$ or US-20120185775-$ or US-20120185768-$ or US-20120179999-$ or US-20120179998-$ or US-20120179997-$ or US-20120179974-$ or US-20120179973-$ or US-20120179972-$).did. or (US-20120174037-$ or US-20120174035-$ or US-20120174034-$ or US-20120174006-$ or US-20120174005-$ or US-20120174004-$ or US-20120173994-$ or US-20120173992-$ or US-20120173988-$ or US-20120173987-$ or US-20120173979-$	US-PGPUB; USPAT	ADJ	ON	2012/07/29 07:29

		or US-20120173977-$ or US-20120173339-$ or US-20120167013-$ or US-20120167011-$ or US-20120167008-$ or US-20120166983-$ or US-20120166982-$ or US-20120166967-$ or US-20120166962-$ or US-20120166961-$ or US-20120166960-$ or US-20120166959-$ or US-20120166956-$ or US-20120166462-$ or US-20120164989-$ or US-20120159396-$).did. or (US-20120159395-$ or US-20120159387-$ or US-20120159360-$ or US-20120159357-$ or US-20120159348-$ or US-20120159347-$ or US-20120159344-$ or US-20120159343-$ or US-20120159342-$ or US-20120159340-$ or US-20120159339-$ or US-20120159338-$ or US-20120159337-$ or US-20120158512-$ or US-20120154283-$ or US-20120151557-$ or US-20120151415-$ or US-20120151392-$ or US-20120151391-$ or US-20120151390-$ or US-20120151381-$ or US-20120151378-$ or US-20120151377-$ or US-20120151374-$ or US-20120151373-$ or US-20120151372-$ or US-20120151371-$).did. or (US-20120151370-$ or US-20120151369-$ or US-20120151368-$ or US-20120151367-$ or US-20120151366-$ or US-20120151365-$ or US-20120151352-$ or US-20120151348-$ or US-20120151318-$ or US-20120144329-$ or US-20120144328-$ or US-20120144317-$ or US-20120144316-$ or US-20120144308-$ or US-20120144301-$ or US-20120143903-$ or US-20120143831-$ or US-20120143661-$ or US-20120143590-$ or US-20120139897-$ or US-20120137254-$ or US-20120137253-$ or US-20120137224-$ or US-20120136754-$ or US-20120131510-$ or US-20120131509-$ or US-20120131508-$).did. or (US-20120131481-$ or US-20120131467-$ or US-20120131041-$ or US-20120131036-$ or US-20120130948-$ or US-20120130845-$ or US-20120124511-$ or US-20120124497-$ or US-20120124495-$ or US-20120124482-$ or US-20120124478-$ or US-20120124477-$ or US-20120124459-$ or US-20120123828-$ or US-20120123219-$ or US-20120121187-$ or US-20120117513-$ or US-20120117504-$ or US-20120117498-$ or US-20120117482-$ or US-20120117481-$ or US-20120117480-$ or US-20120117476-$ or US-20120117457-$ or US-20120113044-$ or US-20120110621-$						

		or US-20120110514-$).did. or (US-20120110512-$ or US-20120110511-$ or US-20120110478-$ or US-20120110464-$ or US-20120110463-$ or US-20120110317-$ or US-20120109948-$ or US-20120109782-$ or US-20120102434-$ or US-20120102433-$ or US-20120102419-$ or US-20120102410-$ or US-20120102409-$ or US-20120102408-$ or US-20120102406-$ or US-20120102384-$ or US-20120100916-$ or US-20120096409-$ or US-20120096381-$ or US-20120096374-$ or US-20120096373-$ or US-20120096365-$ or US-20120096364-$ or US-20120096354-$ or US-20120092344-$ or US-20120089932-$ or US-20120089931-$).did. or (US-20120089921-$ or US-20120089917-$ or US-20120089914-$ or US-20120089909-$ or US-20120089908-$ or US-20120089800-$ or US-20120089769-$ or US-20120089448-$ or US-20120089424-$ or US-20120084731-$ or US-20120084690-$ or US-20120084689-$ or US-20120084667-$ or US-20120084666-$ or US-20120084662-$ or US-20120084661-$ or US-20120084660-$ or US-20120084648-$ or US-20120083339-$ or US-20120079403-$ or US-20120079402-$ or US-20120079397-$ or US-20120079390-$ or US-20120072860-$ or US-20120072859-$ or US-20120072854-$ or US-20120072847-$).did. or (US-20120072846-$ or US-20120072845-$ or US-20120072367-$ or US-20120071786-$ or US-20120069131-$ or US-20120066679-$ or US-20120066643-$ or US-20120066642-$ or US-20120066629-$ or US-20120066623-$ or US-20120066622-$ or US-20120066621-$ or US-20120066614-$ or US-20120066613-$ or US-20120066609-$ or US-20120066608-$ or US-20120066600-$ or US-20120066577-$ or US-20120066055-$ or US-20120060101-$ or US-20120060097-$ or US-20120060079-$ or US-20120059849-$ or US-20120054688-$ or US-20120054686-$ or US-20120054665-$ or US-20120054653-$).did. or (US-20120054652-$ or US-20120054651-$ or US-20120054650-$ or US-20120054649-$ or US-20120054648-$ or US-20120054640-$ or US-20120054639-$ or US-20120054638-$ or US-20120054629-$ or US-20120054628-$ or US-20120054627-$ or US-20120054626-$ or US-20120048090-$ or US-20120047517-$					

		or US-20120047446-$ or US-20120047442-$ or US-20120047441-$ or US-20120047440-$ or US-20120047146-$ or US-20120046864-$ or US-20120046859-$ or US-20120042286-$ or US-20120042285-$ or US-20120042281-$ or US-20120042271-$ or US-20120042269-$ or US-20120042258-$).did. or (US-20120042257-$ or US-20120040724-$ or US-20120038658-$ or US-20120038552-$ or US-20120036552-$ or US-20120036483-$ or US-20120036476-$ or US-20120036458-$ or US-20120036455-$ or US-20120036453-$ or US-20120036452-$ or US-20120036446-$ or US-20120036445-$ or US-20120036444-$ or US-20120036441-$ or US-20120036440-$ or US-20120030773-$ or US-20120030629-$ or US-20120030628-$ or US-20120030627-$ or US-20120030587-$ or US-20120030586-$ or US-20120030579-$ or US-20120030578-$ or US-20120030577-$ or US-20120030576-$ or US-20120030575-$).did. or (US-20120030572-$ or US-20120030567-$ or US-20120030566-$ or US-20120030363-$ or US-20120030217-$ or US-20120030119-$ or US-20120030022-$ or US-20120029939-$ or US-20120027178-$ or US-20120023451-$ or US-20120023441-$ or US-20120023440-$ or US-20120023425-$ or US-20120023424-$ or US-20120023423-$ or US-20120023422-$ or US-20120023413-$ or US-20120023411-$ or US-20120023390-$ or US-20120022991-$ or US-20120017181-$ or US-20120017178-$ or US-20120017164-$ or US-20120017148-$ or US-20120016763-$ or US-20120016685-$ or US-20120011471-$).did. or (US-20120011455-$ or US-20120011445-$ or US-20120011444-$ or US-20120011193-$ or US-20120011140-$ or US-20120011002-$ or US-20120009896-$ or US-20120005597-$ or US-20120005596-$ or US-20120005595-$ or US-20120005587-$ or US-20120005586-$ or US-20120005585-$ or US-20120005584-$ or US-20120005583-$ or US-20120005572-$ or US-20120005045-$ or US-20110320982-$ or US-20110320979-$ or US-20110320968-$ or US-20110320958-$ or US-20110320954-$ or US-20110320953-$ or US-20110320951-$ or US-20110320479-$ or US-20110320477-$ or US-20110320395-$).did. or (US-20110319056-$ or US-20110317523-$						

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		or US-20040032426-$ or US-20040032425-$ or US-20040027381-$ or US-20040027380-$ or US-20040027379-$ or US-20040021687-$ or US-20040021686-$ or US-20040017396-$ or US-20040017392-$ or US-20040017391-$ or US-20040012633-$ or US-20040012626-$ or US-20040012625-$ or US-20040012624-$ or US-20040008225-$ or US-20040008224-$).did. or (US-20040001085-$ or US-20040001084-$ or US-20030234953-$ or US-20030234812-$ or US-20030234809-$ or US-20030234807-$ or US-20030231215-$ or US-20030231208-$ or US-20030231203-$ or US-20030227478-$ or US-20030225876-$ or US-20030222913-$ or US-20030222902-$ or US-20030222901-$ or US-20030218634-$ or US-20030218632-$ or US-20030218630-$ or US-20030218629-$ or US-20030218628-$ or US-20030214537-$ or US-20030214532-$ or US-20030214531-$ or US-20030214529-$ or US-20030210280-$ or US-20030210264-$ or US-20030208373-$ or US-20030206201-$).did. or (US-20030206197-$ or US-20030204433-$ or US-20030204432-$ or US-20030204429-$ or US-20030204428-$ or US-20030202015-$ or US-20030200255-$ or US-20030197733-$ or US-20030197732-$ or US-20030197731-$ or US-20030197729-$ or US-20030197725-$ or US-20030197724-$ or US-20030197723-$ or US-20030193522-$ or US-20030193481-$ or US-20030189595-$ or US-20030189594-$ or US-20030189592-$ or US-20030189591-$ or US-20030184586-$ or US-20030184583-$ or US-20030184580-$ or US-20030179236-$ or US-20030179235-$ or US-20030179234-$ or US-20030179228-$).did. or (US-20030174169-$ or US-20030174168-$ or US-20030174166-$ or US-20030174163-$ or US-20030169294-$ or US-20030169290-$ or US-20030164857-$ or US-20030164856-$ or US-20030160831-$ or US-20030160823-$ or US-20030160817-$ or US-20030156132-$ or US-20030151624-$ or US-20030151620-$ or US-20030146930-$ or US-20030145060-$ or US-20030145058-$ or US-20030142131-$ or US-20030142127-$ or US-20030142126-$ or US-20030137542-$ or US-20030137541-$ or US-20030137537-$ or US-20030137534-$ or US-20030135550-$ or US-20030132972-$						

		or US-20030132966-$).did. or (US-20030132957-$ or US-20030128240-$ or US-20030128238-$ or US-20030128233-$ or US-20030128230-$ or US-20030122874-$ or US-20030122873-$ or US-20030122866-$ or US-20030122865-$ or US-20030122864-$ or US-20030117438-$ or US-20030117437-$ or US-20030117433-$ or US-20030115613-$ or US-20030112280-$ or US-20030112276-$ or US-20030112273-$ or US-20030112270-$ or US-20030112269-$ or US-20030110270-$ or US-20030107600-$ or US-20030106041-$ or US-20030105848-$ or US-20030103088-$ or US-20030103081-$ or US-20030103077-$ or US-20030098881-$).did. or (US-20030097693-$ or US-20030095145-$ or US-20030095144-$ or US-20030093757-$ or US-20030093728-$ or US-20030090520-$ or US-20030090512-$ or US-20030090511-$ or US-20030090510-$ or US-20030090509-$ or US-20030085925-$ or US-20030085924-$ or US-20030085923-$ or US-20030085922-$ or US-20030085921-$ or US-20030085920-$ or US-20030085918-$ or US-20030085917-$ or US-20030085916-$ or US-20030085915-$ or US-20030085914-$ or US-20030081242-$ or US-20030081010-$ or US-20030081004-$ or US-20030081000-$ or US-20030080999-$ or US-20030080998-$).did. or (US-20030080996-$ or US-20030080995-$ or US-20030080994-$ or US-20030080993-$ or US-20030080992-$ or US-20030076356-$ or US-20030076354-$ or US-20030076353-$ or US-20030076352-$ or US-20030076351-$ or US-20030076350-$ or US-20030074416-$ or US-20030071845-$ or US-20030071841-$ or US-20030067487-$ or US-20030067486-$ or US-20030067481-$ or US-20030066031-$ or US-20030065765-$ or US-20030063121-$ or US-20030063119-$ or US-20030063118-$ or US-20030061285-$ or US-20030058276-$ or US-20030058275-$ or US-20030058274-$ or US-20030058272-$).did. or (US-20030058271-$ or US-20030058270-$ or US-20030058269-$ or US-20030055914-$ or US-20030052920-$ or US-20030052919-$ or US-20030052918-$ or US-20030052917-$ or US-20030052912-$ or US-20030052911-$ or US-20030048311-$ or US-20030048302-$ or US-20030048301-$ or US-20030048295-$						

		or US-20030048294-$ or US-20030048293-$ or US-20030043209-$ or US-20030043194-$ or US-20030043193-$ or US-20030043185-$ or US-20030038837-$ or US-20030038836-$ or US-20030038835-$ or US-20030038834-$ or US-20030035007-$ or US-20030034999-$ or US-20030030671-$).did. or (US-20030028624-$ or US-20030025738-$ or US-20030025731-$ or US-20030023679-$ or US-20030020762-$ or US-20030020753-$ or US-20030020752-$ or US-20030018714-$ or US-20030016247-$ or US-20030016242-$ or US-20030014761-$ or US-20030014415-$ or US-20030007002-$ or US-20030005038-$ or US-20030001894-$ or US-20030001886-$ or US-20030001885-$ or US-20030001884-$ or US-20020196280-$ or US-20020196273-$ or US-20020196272-$ or US-20020196271-$ or US-20020191022-$ or US-20020191021-$ or US-20020191020-$ or US-20020191019-$ or US-20020191017-$).did. or (US-20020191016-$ or US-20020191015-$ or US-20020191014-$ or US-20020186245-$ or US-20020186240-$ or US-20020186239-$ or US-20020180792-$ or US-20020180781-$ or US-20020180780-$ or US-20020180778-$ or US-20020180732-$ or US-20020175942-$ or US-20020175941-$ or US-20020175940-$ or US-20020175938-$ or US-20020175936-$ or US-20020175935-$ or US-20020175934-$ or US-20020174209-$ or US-20020171685-$ or US-20020171684-$ or US-20020171680-$ or US-20020171677-$ or US-20020169797-$ or US-20020167549-$ or US-20020165934-$ or US-20020165910-$).did. or (US-20020163544-$ or US-20020163541-$ or US-20020163537-$ or US-20020163534-$ or US-20020161873-$ or US-20020158915-$ or US-20020158900-$ or US-20020158897-$ or US-20020156880-$ or US-20020156876-$ or US-20020154168-$ or US-20020154167-$ or US-20020154166-$ or US-20020154161-$ or US-20020154160-$ or US-20020154159-$ or US-20020154003-$ or US-20020149622-$ or US-20020149621-$ or US-20020149617-$ or US-20020149615-$ or US-20020149614-$ or US-20020145632-$ or US-20020145625-$ or US-20020145624-$ or US-20020145623-$ or US-20020143895-$).did. or (US-20020143877-$ or US-20020143241-$						

		or US-20020140743-$ or US-20020140742-$ or US-20020140734-$ or US-20020140733-$ or US-20020140730-$ or US-20020140726-$ or US-20020135617-$ or US-20020135616-$ or US-20020135615-$ or US-20020135611-$ or US-20020135610-$ or US-20020130899-$ or US-20020129096-$ or US-20020126148-$ or US-20020126147-$ or US-20020126145-$ or US-20020126144-$ or US-20020122063-$ or US-20020120695-$ or US-20020118227-$ or US-20020118226-$ or US-20020116459-$ or US-20020113826-$ or US-20020113821-$ or US-20020113820-$).did. or (US-20020113816-$ or US-20020109724-$ or US-20020109723-$ or US-20020109714-$ or US-20020109713-$ or US-20020107911-$ or US-20020105550-$ or US-20020105548-$ or US-20020105541-$ or US-20020105540-$ or US-20020105539-$ or US-20020103557-$ or US-20020101452-$ or US-20020101451-$ or US-20020101450-$ or US-20020101446-$ or US-20020101445-$ or US-20020097271-$ or US-20020097270-$ or US-20020097261-$ or US-20020097260-$ or US-20020097259-$ or US-20020093535-$ or US-20020093534-$ or US-20020093528-$ or US-20020091767-$ or US-20020089549-$).did. or (US-20020089543-$ or US-20020089542-$ or US-20020089541-$ or US-20020089540-$ or US-20020089539-$ or US-20020089537-$ or US-20020089535-$ or US-20020089534-$ or US-20020089533-$ or US-20020085224-$ or US-20020085044-$ or US-20020085036-$ or US-20020085035-$ or US-20020085034-$ or US-20020085031-$ or US-20020085030-$ or US-20020085029-$ or US-20020085027-$ or US-20020085026-$ or US-20020085025-$ or US-20020085024-$ or US-20020080176-$ or US-20020080175-$ or US-20020080172-$ or US-20020080171-$ or US-20020080167-$ or US-20020080166-$).did. or (US-20020080165-$ or US-20020080164-$ or US-20020078197-$ or US-20020078088-$ or US-20020077879-$ or US-20020075323-$ or US-20020075322-$ or US-20020075312-$ or US-20020075311-$ or US-20020075310-$ or US-20020075309-$ or US-20020075305-$ or US-20020075304-$ or US-20020075303-$ or US-20020075298-$ or US-20020073152-$ or US-20020070982-$					

		or US-20020070968-$ or US-20020070967-$ or US-20020070962-$ or US-20020070961-$ or US-20020069246-$ or US-20020067374-$ or US-20020060695-$ or US-20020055981-$ or US-20020055919-$ or US-20020054156-$).did. or (US-20020054114-$ or US-20020054113-$ or US-20020054112-$ or US-20020054111-$ or US-20020054110-$ or US-20020054109-$ or US-20020054108-$ or US-20020054107-$ or US-20020054106-$ or US-20020054105-$ or US-20020054104-$ or US-20020054103-$ or US-20020054102-$ or US-20020054101-$ or US-20020054084-$ or US-20020054083-$ or US-20020054082-$ or US-20020054081-$ or US-20020054080-$ or US-20020054079-$ or US-20020051019-$ or US-20020051015-$ or US-20020051014-$ or US-20020051012-$ or US-20020051011-$ or US-20020047868-$ or US-20020044160-$).did. or (US-20020039114-$ or US-20020038218-$ or US-20020036662-$ or US-20020036659-$ or US-20020036658-$ or US-20020036657-$ or US-20020036653-$ or US-20020033846-$ or US-20020033845-$ or US-20020033843-$ or US-20020032740-$ or US-20020027569-$ or US-20020027567-$ or US-20020026483-$ or US-20020026480-$ or US-20020024538-$ or US-20020018079-$ or US-20020016788-$ or US-20020015057-$ or US-20020013836-$ or US-20020012013-$ or US-20020010713-$ or US-20020008719-$ or US-20020008718-$ or US-20020008717-$ or US-20020000999-$ or US-20010052912-$).did. or (US-20010051892-$ or US-20010044808-$ or US-20010044796-$ or US-20010035880-$ or US-20010030664-$ or US-20010030662-$ or US-20010028368-$ or US-20010028367-$ or US-20010028365-$ or US-20010028364-$ or US-20010026288-$ or US-20010026287-$ or US-20010017633-$ or US-20010013877-$ or US-20010012023-$ or US-20010009424-$ or US-20010000964-$ or US-20010000811-$ or US-20010000668-$).did. or (US-8230498-$ or US-8230363-$ or US-8230360-$ or US-8230358-$ or US-8230354-$ or US-8230352-$ or US-8230350-$ or US-8230349-$ or US-8230348-$ or US-8230347-$ or US-8230346-$ or US-8230075-$ or US-8229955-$ or US-8229953-$ or US-8229931-$ or US-8229754-$ or US-8229410-$ or US-					

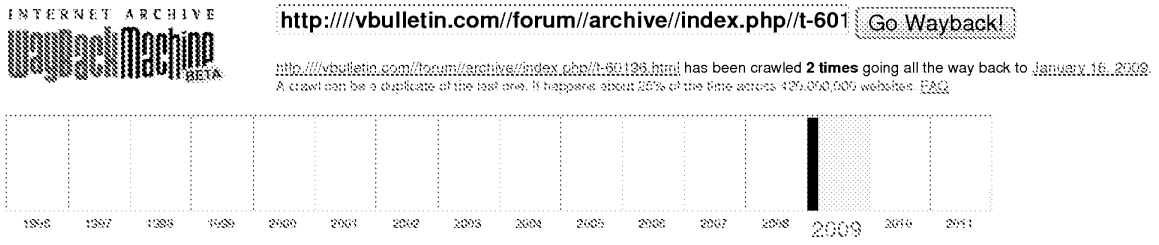
		8228517-$ or US-8228344-$ or US-8228332-$ or US-8225350-$ or US-8225229-$ or US-8225224-$ or US-8225223-$ or US-8225218-$ or US-8225217-$).did. or (US-8225215-$ or US-8225212-$ or US-8225211-$ or US-8224956-$ or US-8224839-$ or US-8223370-$ or US-8223355-$ or US-8223349-$ or US-8223165-$ or US-8219931-$ or US-8219929-$ or US-8219923-$ or US-8219916-$ or US-8219910-$ or US-8219902-$ or US-8219531-$ or US-8218177-$ or US-8217854-$ or US-8214802-$ or US-8214759-$ or US-8214755-$ or US-8214754-$ or US-8214748-$ or US-8214747-$ or US-8214746-$ or US-8214745-$ or US-8214743-$).did. or (US-8214738-$ or US-8214737-$ or US-8214430-$ or US-8214395-$ or US-8214367-$ or US-8213969-$ or US-8213776-$ or US-8212834-$ or US-8212833-$ or US-8209706-$ or US-8209633-$ or US-8209629-$ or US-8209625-$ or US-8209621-$ or US-8209620-$ or US-8209619-$ or US-8209615-$ or US-8209614-$ or US-8209611-$ or US-8209378-$ or US-8209356-$ or US-8205172-$ or US-8205165-$ or US-8205164-$ or US-8205163-$ or US-8205162-$ or US-8205161-$).did. or (US-8205008-$ or US-8204713-$ or US-8203980-$ or US-8203731-$ or US-8201141-$ or US-8201104-$ or US-8201103-$ or US-8201098-$ or US-8201097-$ or US-8201094-$ or US-8201090-$ or US-8200975-$ or US-8200808-$ or US-8200004-$ or US-8196057-$ or US-8196055-$ or US-8196054-$ or US-8196053-$ or US-8196052-$ or US-8196051-$ or US-8196049-$ or US-8196048-$ or US-8196047-$ or US-8196044-$ or US-8195701-$ or US-8195310-$ or US-8191012-$).did. or (US-8191011-$ or US-8191008-$ or US-8191007-$ or US-8191002-$ or US-8191000-$ or US-8190997-$ or US-8190994-$ or US-8190993-$ or US-8190987-$ or US-8190792-$ or US-8190719-$ or US-8190221-$ or US-8185840-$ or US-8185838-$ or US-8185837-$ or US-8185836-$ or US-8185835-$ or US-8185834-$ or US-8185833-$ or US-8185832-$ or US-8185830-$ or US-8185827-$ or US-8185826-$ or US-8185825-$ or US-8185824-$ or US-8185593-$ or US-8185591-$).did. or (US-8185562-$ or US-8184335-$ or US-8181198-$ or US-8181124-$ or US-8181114-$ or US-8181111-$ or US-8181108-$ or US-8180657-$ or US-8176432-$ or US-8176430-$ or US-8176428-$ or US-				

		8176411-$ or US-8176149-$ or US-8175927-$ or US-8175863-$ or US-8174506-$ or US-8171546-$ or US-8171432-$ or US-8171431-$ or US-8171426-$ or US-8171424-$ or US-8171423-$ or US-8171420-$ or US-8171419-$ or US-8171418-$ or US-8171416-$ or US-8171414-$).did. or (US-8171413-$ or US-8171411-$ or US-8171408-$ or US-8171406-$ or US-8171394-$ or US-8166419-$ or US-8166412-$ or US-8166410-$ or US-8166409-$ or US-8166407-$ or US-8166405-$ or US-8166403-$ or US-8166402-$ or US-8164770-$ or US-8161415-$).did.				
S108	3972	S106 not S107	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/29 07:29
S109	0	"201100600998".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/30 11:08

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S100	3	(computing device) and server and (synchronization code) and video and player and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:44
S101	20	(computing device) and server and (synchronization code) and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:45
S102	64	server and (synchronization code) and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:46
S103	44	server and (synchronization code) and (display device) not S100 not S101	USPAT; UPAD	ADJ	ON	2012/07/28 09:46

7/30/2012 12:13:13 PM
C:\Users\jheffington\Documents\OA Folders\13245001\13245001-SearchHistory-1-11-8-2011.wsp



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Note

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Apr 13, 2001 ... I've tried everything I can think of to generate a **Random**, Unique, but Simple **session ID**. I need an example of how to make A string that will ...
www.perlmonks.org/?node_id=72402

Best way to generate **Random**, Unique **Session ID's** [Archive ...

I'm working on building a user object for a website I'm working on. In the user object, userid and sessionid must be stored into a cookie and ...
www.vbulletin.com/forum/archive/index.php/t-60196.html

Hold Your Sessions: An Attack on Java **Session-Id** Generation

following procedure. A **session-id** is obtained by taking an MD5 hash over 128- bits generated using one of Java's pseudo-**random** number generators (PRNG). ...
research.microsoft.com/pubs/64680/gm05.pdf

ASP and Web **Session** Management

The 32-bit **Session ID** is mixed with **random** data and encrypted to generate a 16-character cookie string. Later, when a cookie is received, the **Session ID** can be ...
msdn.microsoft.com/en-us/library/ms972338.aspx

python - Most secure way to generate a **random session ID** for a ...

I'm writing my own **sessions** controller that issues a unique **id** to a user ... If the only information in the cookie is an **identifier**, essentially a label, ...
stackoverflow.com/questions/2541742/most-secure-way-to-...

PHP Tutorial: **Sessions**

The session_start( ) function generates a **random Session Id** and stores it in a cookie on the user's computer (this is the only session information that is actually ...
www.htmlgoodies.com/beyond/php/article.php/3472581/PHP-...

To: PATDOCTC@fr.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 26211

Aug 16, 2012 05:27:46 AM

Dear PAIR Customer:

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022
UNITED STATES

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Application	Document	Mailroom Date	Attorney Docket No.
13245001	INTV.SUM.EX	08/16/2012	30160-0002002
	NOA	08/16/2012	30160-0002002
	NOA	08/16/2012	30160-0002002
	892	08/16/2012	30160-0002002

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Application:	13245001	**Examiner:**	Heffington	**GAU:**	2172
From:	Lois Stone	**Location:**	IDC	**Creation Date:**	08/23/2012

Tracking #: 13245001 Week Date: 08/13/2012

DOC CODE	DOC DATE	MISCELLANEOUS
[X] 1449	06/26/2012	[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[ ] 312		
[ ] SPEC		

[RUSH] Message:

Please initial/line through the citation on 1449 dated 6/26/2012 (2011/0296465 Krishnan et al.).

Thank you,
las

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.
NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: Oct 11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit :	2172
Serial No.	: 13/245,001	Examiner :	John M. Heffington
Filed	: September 26, 2011	Confirmation No.:	4575
		Notice of Allowance Date:	August 16, 2012

Title : PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed August 16, 2012, enclosed is a completed issue fee transmittal form PTOL-85b.

The issue fee in the amount of $870 is being paid concurrently herewith. In addition, please apply any other necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

COMMENTS ON REASONS FOR ALLOWANCE

The Examiner's allowance of the claims is appreciated. The Applicant submits the following comments concerning the Examiner's Reasons for Allowance cited in the Notice of Allowability. It is the subject matter of each claim as a whole that is patentable, not any particular feature recited in the claim(s). The Applicant does not concede that the reasons for allowance given by the Examiner are the only reasons that make the claims allowable and does not make any admission or concession concerning the Examiner's statement.

Respectfully submitted,

Date: August 28, 2012

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: **PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$870	$0	$870	11/16/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
HEFFINGTON, JOHN M.	2172	715-740000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

[ ] Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

[ ] "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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2.
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5. **Change in Entity Status** (from status indicated above)

[ ]a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. [ ]b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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(Authorized Signature) /Samuel Borodach/ (Date) **August 28, 2012**

Typed or Printed Name **Samuel Borodach** Registration No. 38,388

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Electronic Patent Application Fee Transmittal

Application Number:	13245001
Filing Date:	26-Sep-2011
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Filer:	Samuel Borodach/Paula Romeo
Attorney Docket Number:	30160-0002002

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

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Claims:				
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Miscellaneous:				
			Total in USD ($)	**870**

Electronic Acknowledgement Receipt	
EFS ID:	13603010
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Trisha Hawley
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	28-AUG-2012
Filing Date:	26-SEP-2011
Time Stamp:	12:41:13
Application Type:	Utility under 35 USC 111(a)

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1		301600002002Amendmentafterallowance.pdf	5066463 3de3c7bd432aa79b736a4999041821aedd816bec	yes	9

	Multipart Description/PDF files in .zip description		
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	Amendment after Notice of Allowance (Rule 312)	1	1
	Claims	2	8
	Applicant Arguments/Remarks Made in an Amendment	9	9

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2	Issue Fee Payment (PTO-85B)	301600002002issuefee.pdf	1797920 811ce6c17b6c4eb678f20d7290625a188ad6861d	no	2
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit :	2172
Serial No.	: 13/245,001	Examiner :	John M. Heffington
Filed	: September 26, 2011	Confirmation No.:	4575
		Notice of Allowance Date:	8/16/2012
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

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AMENDMENT AFTER ALLOWANCE
PURSUANT TO 37 C.F.R. §1.312

Please amend the application as indicated on the following pages. This amendment is being filed concurrently with the payment of the issue fee.

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A machine-implemented method of controlling presentation of video content on a display device that loads any one of a plurality of different media ~~player~~ players, the method comprising:

assigning, by a server system, a synchronization code to the [[thfe]] display device;

receiving, in the server system, a message from a personal computing device that is separate from the server system and separate from the display device, wherein the message includes the synchronization code;

storing, by the server system, a record establishing an association between the personal computing device and the display device based on the synchronization code;

receiving, in the server system, one or more signals from the personal computing device, the one or more signals specifying a video file to be acted upon and identifying a particular media player for playing the video content, the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the particular media player,

converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the particular media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player; and

storing, in a database associated with the server system, information for transmission to or retrieval by the display device, wherein the information specifies the video file to be acted upon, identifies the particular media player for playing the video content, and includes the

corresponding programming code to control playing of the video content on the display device by the particular media player in accordance with the universal playback control command.

2. (Previously presented) The method of claim 1 including:

checking, in the server system, the identity of the media player identified in the one or more signals from the personal computing device;

loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player; and

converting the command from the personal computing device into a corresponding code to control the media player.

3. (Previously presented) The method of claim 1 wherein converting the command into corresponding programming code to control the media player includes using information in a look-up table.

4. (Previously presented) The method of claim 3 wherein the look-up table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a different media player.

5. (Canceled)

6. (Original) The method of claim 1 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

7. (Original) The method of claim 1 wherein the video content is an interactive video game.

8. (Original) The method of claim 1 wherein the video content is streaming media.

9. (Previously presented) The method of claim 1 wherein the synchronization code is uniquely associated with the display device on which the video content is to be played.

10. (Previously presented) The method of claim 9 wherein the synchronization code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

11. (Previously presented) The method of claim 9 wherein assigning a synchronization code includes assigning a randomly generated code to the display device each time the display device connects to the server system.

12. (Previously presented) A system for controlling playing of video content on a display device that loads any one of a plurality of different media players, the system comprising:

a server system;

a first database storing a relationship between a personal computing device and the display device based on a synchronization code assigned by the server system to the display device and received by the server system in a message from the personal computing device, wherein the personal computing device is separate from the server system and separate from the display device; and

a second database;

wherein the server system is configured to receive one or more signals from the personal computing device, the one or more signals specifying a video file to be acted upon and identifying a particular media player for playing the video content, the one or more signals further including a universal playback control command for controlling playing of the video content on the display device,

one or more non-transitory computer-readable media storing instructions that when executed by the server system, cause the server system to perform operations including converting the universal playback control command into corresponding programming code to control playing of the video content by the particular media player, wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player;

the server system being further configured to store in the second database information for transmission to or retrieval by the display device, wherein the information specifies the video file to be acted upon, identifies the particular media player for playing the video content, and includes the corresponding programming code to control playing of the video content on the display device by the particular media player in accordance with the universal playback control command.

13. (Previously presented) The system of claim 12 including:

a library storing protocols or application programming interfaces,

wherein the server system is configured to check the identity of the media player identified in the one or more signals from the personal computing device, load an appropriate set of protocols or application programming interfaces from the library based on the identity of the media player, and convert the command from the personal computing device into a corresponding programming code to control the media player.

14. (Previously presented) The system of claim 12 including:

a look-up table storing a plurality of commands each of which is for a particular type of media player,

wherein the server system is configured to convert the command into corresponding programming code to control the media player based on information in the look-up table.

15. (Previously presented) The system of claim 12 wherein the look-up table stores a correspondence between the universal command and a plurality of specific commands, each of which is for a different media player.

16. (Previously presented) The system of claim 15 the server system is configured to convert the universal command by selecting from among the plurality of specific commands stored in the look-up table.

17. (Original) The system of claim 12 wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content.

18. (Original) The system of claim 12 wherein the video content is an interactive video game.

19. (Original) The system of claim 12 wherein the video content is streaming media.

20. (Previously presented) The system of claim 12 wherein the synchronization code is uniquely associated with the display device on which the video content is to be played.

21. (Previously presented) The system of claim 20 wherein the synchronization code is different from an IP address associated with the display device and is different from a MAC address associated with the display device.

22. (Previously presented) The system of claim 20 wherein the server system is configured to assign as the synchronization code a randomly generated code each time the display device connects to the server system.

23. (Currently amended) An automated machine-implemented method of presenting video content on a display device that loads any one of a plurality of different media ~~player~~ players, the method comprising:

displaying, by the display device, a synchronization code that was assigned to the display device by a server system, the server system subsequently storing, based on a message from a personal computing device that is separate from the server system and the display device, an association between the display device and the personal computing device, the message from the personal computing device including the synchronization code; [[.]]

retrieving, by the display device from the server system, first information that specifies a first video file to be acted upon, that identifies a first media player for playing the first video file, and that indicates corresponding programming code to control playing of the first video file on the display device by the first media player in accordance with a first playback control command, wherein the server system previously received, from the personal computing device, one or more signals specifying the first video file, identifying the first media player and including the first playback control command;

obtaining, by the display device, over the Internet the first media player for playing the first video file;

loading the first media player in the display device;

executing the first playback control command with respect to the first video file using the first media player;

subsequently retrieving, by the display device from the server system, second information that specifies a second video file to be acted upon, that identifies a second media player different from the first media player for playing the second video file, and that indicates corresponding programming code to control playing of the second video file on the display device by the second media player in accordance with a second playback control command, wherein the server system previously received, from the personal computing device, one or more signals specifying the second video file, identifying the second media player and including the second playback control command;

obtaining, by the display device, over the Internet the second media player for playing the second video file;

loading the second media player in the display device; and

executing the second playback control command with respect to the second video file using the second media player.

24. (Original) The method of claim 23 wherein the display device comprises a television set with a display screen.

25. (Original) The method of claim 23 wherein the display device comprises a laptop or personal computer.

26. (Original) The method of claim 23 wherein each of the first and second commands represents an instruction to play the respective video file, to stop playing the respective video file or to pause playing the respective video file.

27. (Original) The method of claim 23 wherein the display device checks whether the respective media player needed to play the particular one of the video files already is loaded in the display device before obtaining a copy of the media player over the Internet.

REMARKS

Applicant thanks the Examiner for allowing the claims. This amendment is submitted to correct a few typographical errors that were introduced by the Examiner's Amendment of August 16, 2012.

Please apply any necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: August 28, 2012

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

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601 Lexington Avenue
Floor 52
New York, NY 10022
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(PTO ASSISTANCE)

Application:	13245001	**Examiner:**	HEFFINGTON	**GAU:**	2172
From:	Natarsha Horne	**Location:**	RTFM	**Creation Date:**	08/30/2012

Tracking #: Week Date:

DOC CODE	DOC DATE	MISCELLANEOUS
[ ] 1449		[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[X] 312	08/28/2012	
[ ] SPEC		

[RUSH] Message:

Please respond to the 8/28/2012, A.NA

Thank You
NYH

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.
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REV: Oct 11

PTO/SB/30 (07-09)
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Request for Continued Examination (RCE) Transmittal

Address to:
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Application Number	13/245,001
Filing Date	September 26, 2011
First Named Inventor	David Strober
Art Unit	2172
Examiner Name	John M. Heffington
Attorney Docket Number	30160-0002002

This is a Request for Continued Examination (RCE) under 37 CFR 1 .114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. ☐ Other _____

   b. ☒ Enclosed

      i. ☐ Amendment/Reply

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      iii. ☒ Information Disclosure Statement (IDS)

      iv. ☒ Other web-based ePetition to withdraw from issue

2. Miscellaneous

   Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a

   a. ☐ period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

   b. ☐ Other _____

3. Fees The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
   The Director is hereby authorized to charge the following fees any underpayment of fees or credit any overpayments to

   a. ☒ Deposit Account No. 06-1050 .

      i. ☒ RCE fee required under 37 CFR 1.17(e)

      ii ☐ Extension of time fee (37 CFR 1.136 and 1.17)

      iii ☒ Other any deficiencies

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/Samuel Borodach/	Date	September 13, 2012
Name (Print/Type)	Samuel Borodach	Registration No.	38,388

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature			
Name (Print/Type)		Date	

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNet, Inc.
www.FormsWorkFlow.com

Electronic Patent Application Fee Transmittal

Application Number:	13245001
Filing Date:	26-Sep-2011
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Filer:	Samuel Borodach/Paula Romeo
Attorney Docket Number:	30160-0002002

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	130	130
Request for continued examination	2801	1	465	465
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**595**

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date : September 13, 2012

In re Application of :

David Strober

DECISION ON PETITION

UNDER CFR 1.313(c)(2)

Application No : 13245001

Filed : 26-Sep-2011

Attorney Docket No : 30160-0002002

This is an electronic decision on the petition under 37 CFR 1.313(c)(2), filed September 13, 2012, to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED.**

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid in this application cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

This application file is being referred to Technology Center AU 2172 for processing of the request for continuing examination under 37 CFR 1.114 .

Office of Petitions

Electronic Acknowledgement Receipt	
EFS ID:	13738149
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Paula Romeo
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	13-SEP-2012
Filing Date:	26-SEP-2011
Time Stamp:	16:36:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$595
RAM confirmation Number	4231
Deposit Account	061050
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition automatically granted by EFS	petition-request.pdf	31719 1655c82f6e0f77d261b78b041ee2853d8974be96	no	2
Warnings:					
Information:					
2	Transmittal Letter	301600002002transmittalQPIDSsubmission.pdf	506016 cff06a22448eb105fe2a58c17ba05c7d75e129aa	no	1
Warnings:					
Information:					
3		3016000002002IDS.pdf	1580909 573558f63520fa5ab07f95aa6c523d9abb507688	yes	3

Multipart Description/PDF files in .zip description

Document Description	Start	End
Quick Path Information Disclosure Statement	1	2
Information Disclosure Statement (IDS) Form (SB08)	3	3

Warnings:					
Information:					
4	Other Reference-Patent or Application Document	3016000002002NPL.pdf	15076760 db006a8bc2c55e4a52cf024c6ee240eff927d243	no	16
Warnings:					
Information:					
5	Request for Continued Examination (RCE)	3016000002002RCE.pdf	1085331 8148ff70a9aa89dc9579a99d0406f1b6461da27d	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	31867 ec7ee78265df568ea21303b3e75a93871cc16f55	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	18312602		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: PET.AUTO Document Description: Petition automatically granted by EFS-Web	PTO/SB/140 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c)**
Application Number	13245001
Filing Date	26-Sep-2011
First Named Inventor	David Strober
Art Unit	2172
Examiner Name	JOHN HEFFINGTON
Attorney Docket Number	30160-0002002
Title	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary.

APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c).

A grantable petition requires the following items:
(1) Petition fee; and
(2) One of the following reasons:
(a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable;
(b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or
(c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).

Petition Fee

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

☒ Applicant(s) status remains as SMALL ENTITY.

☐ Applicant(s) status remains as other than SMALL ENTITY

Reason for withdrawal from issue

◯ One or more claims are unpatentable ◉ Consideration of a request for continued examination (RCE) (List of Required Documents and Fees) ◯ Applicant hereby expressly abandons the instant application (any attorney/agent signing for this reason must have power of attorney pursuant to 37 CFR 1.32(b)).
RCE request,submission, and fee. ☐ I certify, in accordance with 37 CFR 1.4(d)(4) that : The RCE request ,submission, and fee have already been filed in the above-identified application on ☒ Are attached.
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ◉ An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application. ◯ An attorney or agent registered to practice before the Patent and Trademark Office, acting in a representative capacity. ◯ A sole inventor ◯ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors ◯ A joint inventor; all of whom are signing this e-petition ◯ The assignee of record of the entire interest that has properly made itself of record pursuant to 37 CFR 3.71

Signature	/Samuel Borodach/
Name	Samuel Borodach
Registration Number	38388

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: 2172
Serial No.	: 13/245,001	Examiner	: John M. Heffington
Filed	: September 26, 2011	Conf. No.	: 4575
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF A QUICK PATH INFORMATION DISCLOSURE STATEMENT (QPIDS) SUBMISSION

In accordance with the QPIDS Pilot Program, as described in the Federal Register, Vol. 77, No. 91, Thursday, May 10, 2012, page 27443, Applicant submits the following items:

1) an Information Disclosure Statement (IDS) including the fee under 37 CFR 1.17(p);
2) a Web-based ePetition to withdraw from issue under 37 CFR 1.313(c)(2), including the fee under 37 CFR 1.17(h);
3) an RCE (to be treated as "conditional" in accordance with the QPIDS Pilot Program).

Please apply any necessary charges to Deposit Account No. 06-1050.

Respectfully submitted,

Date: September 13, 2012

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

30716510.doc

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No. 13/245,001
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2010/0027974 A1	02/04/2010	Ansari			
	2	2005/0034151 A1	02/10/2005	Abramson			
	3	2007/0288715 A1	12/13/2007	Boswell et al.			
	4	2008/0077526 A1	03/27/2008	Arumugam			
	5						
	6						
	7						
	8						
	9						
	10						
	11						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12							
	13							
	14							
	15							
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	
	18	
	19	
	20	

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/033314

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 3/033 (2012.01)
USPC - 386/200
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8) - G06F 3/14, 3/033; H04N 5/775, 7/26 (2012.01)
USPC - 386/200, 230; 715/863, 864

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PatBase, Google Patent, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 2010/0027974 A1 (ANSARI) 04 February 2010 (04.02.2010) entire document	1-21, 27-38, 67
Y	US 2005/0034151 A1 (ABRAMSON) 10 February 2005 (10.02.2005) entire document	1-21, 27-38, 67
Y	US 2007/0288715 A1 (BOSWELL et al) 13 December 2007 (13.12.2007) entire document	3-4, 13-16, 19-21, 28-30, 34-37
Y	US 2008/0077526 A1 (ARUMUGAM) 27 March 2008 (27.03.2008) entire document	8-10, 21, 37

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
16 August 2012	07 SEP 2012
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/033314

Continuation of Box No. III:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-21, 27-38, 67, drawn to a machine implemented method of controlling presentation of video content on a display device by a media player, a system for controlling playing a video content on a display device and a server system for controlling presentation of content on a display device the system and an automated method of controlling presentation of content on a display device, having the steps of the server system converting the universal playback control command into corresponding code to control playing the video content, the converting includes selecting a specific command for a respective media player; storing a message for the display device in a database, the message specifies the video file, media player and corresponding code to control playing the video content.
Group II, claims 22-26, 39-47, 68, drawn to an automated machine-implemented method of presenting video content on a display device, by a media player, an apparatus for presenting content and an automated method of presenting content on a display device, having the steps of the display device retrieving information from a server system; the display device obtaining over the internet the media player; loading the media player in the display device; executing the playback control command using the media player; retrieving second information; the display device obtaining over the internet a second media player; loading the second media player; executing the second playback control command using the second media player.
Group III, claims 48-66, 69-70, drawn to a personal computing device, and a system for presenting and controlling content on a display device and a method of controlling content to be presented on a display device, having a transceiver to establish connections to a network; means for receiving user input; processing circuitry to process incoming and outgoing communications and user input; the device transmitting a message according to a specified format over the network to a server system; the device is operable to control playing the content on the display device based on user selected commands transmitted to the server system from the device.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention: the server system converting the universal playback control command into corresponding code to control playing the video content, the converting includes selecting a specific command for a respective media player; storing a message for the display device in a database, the message specifies the video file, media player and corresponding code to control playing the video content as claimed therein is not present in the invention of Groups II and III. The special technical feature of the Group II invention: the display device retrieving information from a server system; the display device obtaining over the internet the media player; loading the media player in the display device; executing the playback control command using the media player; retrieving second information; the display device obtaining over the internet a second media player; loading the second media player; executing the second playback control command using the second media player as claimed therein is not present in the invention of Groups I or III. The special technical feature of the Group III invention: a transceiver to establish connections to a network; means for receiving user input; processing circuitry to process incoming and outgoing communications and user input; the device transmitting a message according to a specified format over the network to a server system; the device is operable to control playing the content on the display device based on user selected commands transmitted to the server system from the device as claimed therein is not present in the invention of Groups I or II.

Groups I, II and III lack unity of invention because even though the inventions of these groups require the technical feature of a server system receiving signals from a personal computing device; information/signals specifying a video file to be acted upon, a media player for playing the video file and corresponding programming code to control playing the video file, this technical feature is not a special technical feature as it does not make a contribution over the prior art in view of US 2010/0027974 A1 (ANSARI) 04 February 2010 (04.02.2010) figures 2, 6; paragraphs 22-30.

Since none of the special technical features of the Group I, II or III inventions are found in more than one of the inventions, unity of invention is lacking.

Form PCT/ISA/210 (extra sheet) (April 2005)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: SAMUEL BORODACH
FISH & RICHARDSON P.C.
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

Date of mailing *(day/month/year)*	07 SEP 2012
Applicant's or agent's file reference 301600002WO1	**FOR FURTHER ACTION** See paragraph 2 below

International application No.	International filing date *(day/month/year)*	Priority date *(day/month/year)*
PCT/US2012/033314	12 April 2012	21 April 2011

International Patent Classification (IPC) or both national classification and IPC
IPC(8) - G06F 3/033 (2012.01)
USPC - 386/200

Applicant TOUCHSTREAM TECHNOLOGIES, INC.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☒ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US	Date of completion of this opinion	Authorized officer:
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	16 August 2012	Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2012/033314

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:

   ☒ the international application in the language in which it was filed.

   ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a))

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:

   a. (means)

      ☐ on paper

      ☐ in electronic form

   b. (time)

      ☐ in the international application as filed

      ☐ together with the international application in electronic form

      ☐ subsequently to this Authority for the purposes of search

4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2012/033314

Box No. IV Lack of unity of invention

1. ☒ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the appicable time limit:

   ☐ paid additional fees

   ☐ paid additional fees under protest and, where applicable, the protest fee

   ☐ paid additional fees under protest but the applicable protest fee was not paid

   ☒ not paid additional fees

2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is

   ☐ complied with

   ☒ not complied with for the following reasons:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fess must be paid.

Group I, claims 1-21, 27-38, 67, drawn to a machine implemented method of controlling presentation of video content on a display device by a media player, a system for controlling playing a video content on a display device and a server system for controlling presentation of content on a display device the system and an automated method of controlling presentation of content on a display device, having the steps of the server system converting the universal playback control command into corresponding code to control playing the video content, the converting includes selecting a specific command for a respective media player; storing a message for the display device in a database, the message specifies the video file, media player and corresponding code to control playing the video content.
Group II, claims 22-26, 39-47, 68, drawn to an automated machine-implemented method of presenting video content on a display device, by a media player, an apparatus for presenting content and an automated method of presenting content on a display device, having the steps of the display device retrieving information from a server system; the display device obtaining over the internet the media player; loading the media player in the display device; executing the playback control command using the media player; retrieving second information; the display device obtaining over the internet a second media player; loading the second media player; executing the second playback control command using the second media player.
Group III, claims 48-66, 69-70, drawn to a personal computing device, and a system for presenting and controlling content on a display device and a method of controlling content to be presented on a display device, having a transceiver to establish connections to a network; means for receiving user input; processing circuitry to process incoming and outgoing communications and user input; the device transmitting a message according to a specified format over the network to a server system; the device is operable to control playing the content on the display device based on user selected commands transmitted to the server system from the device.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention: the server system converting the universal playback control command into corresponding code to control playing the video content, the converting includes selecting a specific command for a respective media player; storing a message for the display device in a database, the message specifies the video file, media player and corresponding code to control playing the video content as claimed therein is not present in the invention of Groups II and III. The special technical feature of the Group II invention: the display device retrieving information from a server system; the display device obtaining over the internet the media player; loading the media player in the display device; executing the playback control command using the media player; retrieving second information; the display device obtaining over the internet a second media player; loading the second media player; executing the second playback control command using the second media player as claimed therein is not present in the invention of Groups I or III. The special technical feature of the Group III invention: a transceiver to establish connections to a network; means for receiving user input; processing circuitry to process incoming and outgoing communications and user input; the device transmitting a message according to a specified format over the network to a server system; the device is operable to control playing the content on the display device based on user selected commands transmitted to the server system from the device as claimed therein is not present in the invention of Groups I or II.

Groups I, II and III lack unity of invention because even though the inventions of these groups require the technical feature of a server system receiving signals from a personal computing device; information/signals specifying a video file to be acted upon, a media player for playing the video file and corresponding programming code to control playing the video file, this technical feature is not a special technical feature as it does not make a contribution over the prior art in view of US 2010/0027974 A1 (ANSARI) 04 February 2010 (04.02.2010) figures 2, 6; paragraphs 22-30.

Since none of the special technical features of the Group I, II or III inventions are found in more than one of the inventions, unity of invention is lacking.

4. Consequently, this opinion has been established in respect of the following parts of the international application:

   ☐ all parts

   ☒ the parts relating to claims Nos. 1-21, 27-38, 67

Form PCT/ISA/237 (Box No. IV) (July 2011)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2012/033314

Box No. V **Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims	1-21, 27-38, 67	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-21, 27-38, 67	NO
Industrial applicability (IA)	Claims	1-21, 27-38, 67	YES
	Claims	None	NO

2. Citations and explanations:

Claims 1-2, 5-7, 11-12, 17-18, 27, 31-33, 38, 67, lack an inventive step under PCT Article 33(3) as being obvious over Ansari in view of Abramson.

Regarding claim 1, Ansari discloses a machine-implemented method of controlling presentation of video content on a display device by a media player (media player control 126 comprising a software process that executes a media playback to enable users to play a digital media such as a video, para 0023; FIG 1), the method comprising: receiving in a server system one or more signals from a remote personal computing device (the system has the capability to move or copy an asset to any home, car, portable, computer, or other computing device, para 0031, 0033; FIG 1 [wherein figure 1 shows multiple remote personal computing devices interfaced with server 106]); one or more signals specifying a video file to be acted upon and identifying a media player for playing the video content (video server 154 containing a library of video assets such as movies and other video productions, para 0022; playback device 104 includes autos; personal computers; cell phones; PDA's; media player devices; and work stations, para 0019; FIG 1); storing, in a database associated with the server system, a message for transmission to or retrieval by the display device (downloading or streaming media assets stored locally on the portal (server) 106, the media player control 126 connects to media asset sources 102 through the server and downloads and/or streams media assets, para 0021; media player control 126 comprises a software process that executes a media playback software application program, para 0023; FIG 1), wherein the message specifies the video file to be acted upon (metadata file 140 provides specific presentation control information for use in controlling playback of the received media, para 0019; FIG 3), identifies the media player for playing the video content (playback device 104 includes autos; personal computers; cell phones; PDA's; media player devices; and work stations, para 0019; FIG 1) but lacks the teaching wherein the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player; converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player; wherein converting the universal playback control command includes selecting from among a plurality of specific commands; each of which represents a corresponding playback control command for a respective media player; and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause( ), para 0073 [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]); converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player (play a video, the channel can call an open function exposed by the player application; var player = external.mediaPlayer; var file = program.getContentFileByName ("video.wmv"); para 0071); wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player (play( ), stop( ), pause( ), para 0073 [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]), and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command (As the media player opens and plays a media selection, it can go through several "play states"; "buffering" or "waiting" play states tell the user that something is going on even if no video is playing, para 0078 [wherein the universal playback control are shown in the table of paragraph 0073]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player; converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player; convert the universal playback control command from among a plurality of specific commands; and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command in the invention of Ansaris as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

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Supplemental Box

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Continuation of:

Regarding claim 2, Ansari lacks the teaching wherein the identity of the media player identified in the one or more signals from the personal computing device (the system has the capability to move or copy an asset from any home, car, portable, computer, or other computing device, para 0033; FIG 1), [wherein figure 1 shows multiple remote personal computing devices interfaced with server 106]; loading an appropriate set of protocols or application programming interfaces from a library based on the identity of the media player (media player object library 120 supporting a plurality of media player decoder modules 122 responsive to and interactive with the media player program logic 118, para 0016) but lacks the teaching wherein converting the command from the personal computing device into a corresponding JavaScript code to control the media player. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein converting the command from the personal computing device into a corresponding JavaScript code to control the media player (player application 32 and the download manager may be written in JAVA, para 0023). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to convert the command from the personal computing device into a corresponding JavaScript code to control the media player in the invention of Ansari as taught by Abramson. The motivation would have been to provide a permanently stored application on the hard-drive (Abramson, para 0023).

Regarding claim 5, Ansari lacks the teaching wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause( ), para 0073), [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include an instruction to play the video content, to stop playing the video content or to pause playing the video content in the invention of Ansari as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 6, Ansari discloses wherein the video content is an interactive video game (the system may be audio such interactive software games, or any media, para 0026).

Regarding claim 7, Ansari discloses wherein the video content is streaming media (streaming media assets stored locally on the portal106, para 0021).

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 11, Ansaris discloses wherein a system for controlling playing of video content on a display device by a media player (media player control 126 comprising a software process that executes a media playback to enable users to play a digital media such as a video, para 0023; FIG 1); the system comprising: a server system (video server 154 containing a library of video assets such as movies and other video productions, para 0022); a first database storing a relationship between a personal computing device and the display device (database server 146 maintains the user's database of assets "on-line" and a user obtains access to it by connecting to theportal106; The database server 146 keeps user and media information which is used by the web server 142, para 0028; FIG 4), [wherein figure shows the database server 146 to be within the portal 106 which is linked to the personal computing devices 104 of figure 1]; and a second database (media library server 144, para 0020; FIG 4 [wherein figure 4 shows two databases 144 and 146), wherein the server system is operable to receive one or more signals from a remote personal computing device (the system has the capability to move or copy an asset from any home, car, portable, computer, or other computing device, para 0033; FIG 1); the one or more signals specifying *a video file to be acted upon and identifying a media player for playing the video content (metadata file 140 provides specific presentation* control information for use in controlling playback of the received media, para 0019; FIG 3); the server system being further operable to store in the second database a message for transmission to or retrieval by the display device (media library server 144 serves as a central repository, para 0025; FIG 4 [wherein figure 4 shows two databases 144 and 146), wherein the message specifies the video file to be acted upon, identifies the media player for playing the video content (plurality of metadata files 140; each metadata file 140 provides specific presentation control information for use in controlling playback of the received media, para 0019; FIG 2 [wherein figure 2 shows the metadata linked via communication network 108 to the computing device 104), but lacks the teaching wherein the one or more signals further including a universal playback control command for controlling playing of the video content on the display device; one or more computer-readable media storing instructions that when executed by the server system, cause the server system to perform operations including converting the universal playback control command into corresponding programming code to control playing of the video content by the media player; wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player; and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transperently over the video contents (abstract) and teaches wherein the one or more signals further including a universal playback control command for controlling playing of the video content on the display device (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause( ), para 0073 [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command); one or more computer-readable media storing instructions that when executed by the server system, cause the server system to perform operations including converting the universal playback control command into corresponding programming code to control playing of the video content by the media player (play a video, the channel can call an open function exposed by the player application; var player = external.mediaPlayer; var file = program.getContentFileByName ("video.wmv"); para 0071); wherein converting the universal playback control command includes selecting from among a plurality of specific commands, each of which represents a corresponding playback control command for a respective media player (commands provided by the player application object to control the video, para 0073 [wherein the universal playback control are shown in the table of paragraph 0073); and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command (As the media player opens and plays a media selection, it can go through several "play states"; "buffering" or "waiting" play states tell the user that something is going on even if no video is playing, para 0078 [wherein the universal playback control are shown in the table of paragraph 0073). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include one or more signals further including a universal playback control command for controlling playing of the video content on the display device by the media player; converting, by the server system, the universal playback control command into corresponding programming code to control playing of the video content on the display device by the media player; convert the universal playback control command from among a plurality of specific commands; and includes the corresponding programming code to control playing of the video content on the display device by the media player in accordance with the universal playback control command in the invention of Ansaris as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

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Regarding claim 12, Ansaris discloses wherein an application programming interfaces (processor 110 programmed with media request software 112, a network interface device 114 communicating information between the processor 110, para 0016; FIG 2); wherein the server system is operable to check the identity of the media player identified in the one or more signals from the personal computing device (player program logic 118, to integrate the selected media player decoder 122 with the media player control126 for use by the user, para 0018; FIG 1); load an application programming interfaces from the library based on the identity of the media player (library 120 supporting a plurality of media player decoder modules 122 responsive to and interactive with the media player program logic 118, para 0016; application in media player control of the user so that a user can access any licensed media asset from any of the user's media players, para 0028; FIG 2) but lacks the teaching wherein the media application convert the command from the personal computing device into a corresponding programming code to control the media player. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the media application convert the command from the personal computing device into a corresponding programming code to control the media player (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause( ), para 0073). [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a media application to convert the command from the personal computing device into a corresponding programming code to control the media player in the invention of Ansari as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 17, Ansaris discloses wherein the video content is an interactive video game (The digital media assets distributed by the system may be interactive software games, para 0026).

Regarding claim 18, Ansaris discloses wherein the video content is streaming media (streaming media assets stored locally on the portal106, para 0021).

Regarding claim 27, Ansaris discloses wherein a server system for controlling presentation of content on a display device (The portal 106 is a computer server or group of servers that functions to allow for the storage, stream and download of media assets to a media player control126, para 0024; FIG 1); the server system comprising one or more servers (group of servers that functions to allow for the storage, para 0024); the server system storing a relationship between a personal computing device and a display device (The portal 106 may be accessible directly from a media player control and through one or more web sites and may provide a customizable interface or view to each user, para 0025; FIG 1); wherein the server system is operable, in response to receiving from the personal computing device a message including a command for controlling the playing of the specified content (media player program logic 118 analyzes the received media to determine the format received, and then automatically selects a media player decoder module 122 from the plurality of media player, para 0017; FIG 2 [wherein figure 2 show the media module linked to the server system via the communication network 108); and further identifying a media player for playing the specified content, to convert the command into a corresponding command recognizable by the media player if the command received from the personal computing device is not recognizable by the media player (client media player device has a stored protection key that is capable of decrypting and executing the object that has been downloaded. Each client media player device key is unique, but will have some level of identity with the other client media player devices used by the user's family of devices, para 0033) but lacks the teaching wherein providing a further message to the display device, wherein the further message includes the corresponding command and identifies the specified content and the media player. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teeches wherein a message to the display device, wherein the message includes the corresponding command and identifies the specified content and the media player (to play a video the channel can call an open function exposed by the player application object, passing in the local filename of the video to be played, para 0071). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a message to the display device, wherein the message includes the corresponding command and identifies the specified content and the media player in the invention of Ansaris as taught by Abramson. The motivation would have been to provide commands to the player to control the video (Abramson, para 0073).

Regarding claim 31, Ansaris discloses wherein the server system operable to convert a command from the personal computing device into corresponding programming code used by the display device to control the media player (client media player device has a stored protection key that is capable of decrypting and executing the object that has been downloaded. Each client media player device key is unique, but will have some level of identity with the other client media player devices used by the user's family of devices, para 0033).

Regarding claim 32, Ansaris lacks the teaching wherein the command from the personal computing device specifies one of the following actions to be performed with respect to playing of the content by the display device: pause, stop, rewind or fast forward. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (additional commands may be provided by the player application object to control the video; pause( ), stop(), rewind() para 0073). [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a universal command representing an instruction to play the video content, to stop playing the video content or to pause playing the video content in the invention of Ansari as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

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Regarding claim 33, Ansaris discloses wherein the server system operable to receive another message from the personal computing device (the system has the capability to move or copy an asset from any home, car, portable, computer, or other computing device, para 0033; FIG 1), [wherein figure 1 shows multiple remote personal computing devices interfaced with server 106]; wherein the other message includes a command to control the playing of the specified content on the display device (media player program logic 118 analyzes the received media to determine the format received, and then automatically selects a media player decoder module 122 from the plurality of media player, para 0017; FIG 2), [wherein figure 2 show the media module linked to the server system via the communication network 108]; Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein in response to receiving the other message, the server system converts the command in the other message into a second corresponding command recognizable by the media player (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause(), para 0073), [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]; and provides an additional message to the display device (As the media player opens and plays a media selection, it can go through several "play states"; "buffering" or "waiting" play states tell the user that something is going on even if no video is playing, para 0078), [wherein the universal playback control are shown in the table of paragraph 0073]; wherein the additional message includes the second corresponding command (play( ), stop( ), pause(), para 0073), [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a server system which converts the command in the other message into a second corresponding command recognizable by the media player in the invention of Ansaris as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 38, Ansaris discloses wherein the server system operable to receive the message from the personal computing device over the internet and operable to provide the further message to the display device over the internet (The portal 106 connects to the media asset sources 102 by any suitable means, such as the Internet, para 0021), [wherein figure 1 shows two way communication via the computing devices and server through the communication network 108].

Regarding claim 67, Ansaris discloses wherein an automated method of controlling presentation of content on a display device (automatically selects a media player decoder module from the plurality of media player decoder modules for playback of the received media, para 0003; FIG 2 [wherein figure 2 show the media module linked to the server system via the communication network 108), the method comprising: receiving a message from a personal computing device (the system has the capability to move or copy an asset from any home, car, portable, computer, or other computing device, para 0033; FIG 1 [wherein figure 1 shows multiple remote personal computing devices interfaced with server 106), the message including a command for controlling the presentation of specified content (media player program logic 118 analyzes the received media to determine the format received, and then automatically selects a media player decoder module 122 from the plurality of media player, para 0017; FIG 2 [wherein figure 2 show the media module linked to the server system via the communication network 106); identifying a media player for playing the specified content, in response to receiving the message (Once the media has been received the method continues with analyzing which format is presented, and automatically selecting a media player for playback of the received media, para 0005; FIG 2); converting the command into a corresponding command recognizable by the media player (client media player device has a stored protection key that is capable of decrypting and executing the object that has been downloaded. Each client media player device key is unique, but will have some level of identity with the other client media player devices used by the user's family of devices, para 0033), but lacks the teaching wherein providing a further message to the display device; wherein the further message includes the corresponding command and identifies the specified content and the media player. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein providing a further message to the display device, wherein the further message includes the corresponding command and identifies the specified content and the media player (to play a video the channel can call an open function exposed by the player application object, passing in the local filename of the video to be played, para 0071). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a message to the display device, wherein the message includes the corresponding command and identifies the specified content and the media player in the invention of Ansaris as taught by Abramson. The motivation would have been to provide commands to the player to control the video (Abramson, para 0073).

Claims 3-4, 13-16, 19-20, 28-30, 34-36, lack an inventive step under PCT Article 33(3) as being obvious over Ansari in view of Abramson and further in view of Boswell et al., hereinafter referred to as Boswell.

Regarding claim 3, Ansari lacks the teaching wherein converting the command into corresponding programming code to control the media player includes using information in a look-up table. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein converting the command into corresponding programming code to control the media player includes using information in a look-up table (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to convert the command into corresponding programming code to control the media player includes using information in a look-up table in the invention of Ansari as taught by Boswell. The motivation would have been to relate the course aspect ratios to target device (Boswell, para 0064).

Supplemental Box

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Regarding claim 4, Ansari does not explicitly state in regards to the embodiment of figure 1 wherein the table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a different media player. However, Ansari teaches a plurality of media modules and player commanded by a media library (table) server (library 120 supporting a plurality of media player decoder modules 122 responsive to and interactive with the media player program logic 118, para 0016; library supporting a plurality of media player decoder modules responsive to and interactive with the media player program logic, para 0035; FIG 4). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of this embodiment in the invention of Ansari for the purpose of automatically selecting a media player decoder module 122 from the plurality of media player decoder modules for playback of the received media (Ansari, para 0017).

Regarding claim 13, Ansari does not explicitly state in regards to the embodiment of figure 1 wherein the table stores a plurality of specific commands, each of which represents, respectively, a corresponding command for a different media player. However, Ansari teaches a plurality of media modules and player commanded by a media library (table) server (library 120 supporting a plurality of media player decoder modules 122 responsive to and interactive with the media player program logic 118, para 0016; library supporting a plurality of media player decoder modules responsive to and interactive with the media player program logic, para 0035; FIG 4). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of this embodiment in the invention of Ansari for the purpose of automatically selecting a media player decoder module 122 from the plurality of media player decoder modules for playback of the received media (Ansari, para 0017) but lacks the teaching wherein the server system is operable to convert the command into corresponding programming code to control the media player based on information in the look-up table. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system is operable to convert the command into corresponding programming code to control the media player based on information in the look-up table (server 100 identifies a product code for the requested track at step S5. This can occur in any suitable way, for example using a look-up table, para 0250). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a server system operable to convert the command into corresponding programming code to control the media player based on information in the look-up table in the invention of Ansari as taught by Boswell. The motivation would have been to uniquely identifies the requested track (Boswell, para 0250).

Regarding claim 14, Ansaris lacks the teaching wherein the look-up table stores a correspondence between the universal command and specific commands. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the look-up table stores a correspondence between the universal command (server 100 identifies a product code for the requested track at step S5. This can occur in any suitable way, for example using a look-up table, para 0250). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a look-up table storing a correspondence between the universal commands in the invention of Ansari as taught by Boswell. The motivation would have been to uniquely identifies the requested track (Boswell, para 0250).

Regarding claim 15, Ansaris lacks the teaching wherein the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the lookup table. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system is operable to convert the universal command by selecting from among the plurality of specific commands stored in the lookup table (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a the server system operable to convert the universal command by selecting from among the plurality of specific commands stored in the lookup table in the invention of Ansari as taught by Boswell. . The motivation would have been to relate the course aspect ratios to target device (Boswell, para 0064).

Regarding claim 16, Ansaris lacks the teaching wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the universal command represents an instruction to play the video content, to stop playing the video content or to pause playing the video content (additional commands may be provided by the player application object to control the video; play( ), stop( ), pause( ), para 0073), [wherein paragraph 0073 display a list of standard universal commands used for interpreting and conversion via a standard playback control command]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a universal command representing an instruction to play the video content, to stop playing the video content or to pause playing the video content in the invention of Ansari as taught by Abramson. The motivation would have been to control the video (Abramson, para 0073).

Supplemental Box

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Continuation of:

Regarding claim 19, Ansaris lacks the teaching wherein the server system is operable to receive a code from the personal computing device; wherein the code is uniquely associated with the display device on which the video content is to be played; the server system further being operable to store the record establishing a connection between the personal computing device and the display device based on the code. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system is operable to receive a code from the personal computing device (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064); wherein the code is uniquely associated with the display device on which the video content is to be played (step S4, the broadcast server 100 identifies a product code for the requested track at step S5; product code uniquely identifies the requested track, para 0250), [wherein this code allow client access to media data file]; the server system further being operable to store the record establishing a connection between the personal computing device and the display device (access code then is stored in a billing/DRM configuration store 130, para 0170; the media player 120 includes a menu option for registering for television and/or radio services, para 0245). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include unique code associated with the display device on which the video content is to be played in the invention of Ansari as taught by Boswell. The motivation would have been to send access code from the billing module to the billing verification module (Boswell, para 0170).

Regarding claim 20, Ansari lacks the teaching wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device (player application 32 and the download manager may be written in JAVA, para 0023). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to in the invention to include a code which is different from an IP address associated with the display device and is different from a MAC address associated with the display device in the invention of Ansari as taught by Abramson. The motivation would have been to provide a permanently stored application on the hard-drive (Abramson, para 0023). The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 28, Ansaris lacks the teaching wherein the server system includes a look-up table to store the relationship between the personal computing device and the display device; server system including a look-up table to store the relationship between the personal computing device and the display device. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein server system including a look-up table to store the relationship between the personal computing device and the display device (server 100 identifies a product code for the requested track at step S5. This can occur in any suitable way, for example using a look-up table, para 0250); server system including a look-up table to store the relationship between the personal computing device and the display device (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a server system having a look-up table to store the relationship between the personal computing device and the display device in the invention of Ansari as taught by Boswell. The motivation would have been to send access code from the billing module to the billing verification module (Boswell, para 0170).

Regarding claim 29, Ansaris lacks the teaching wherein the server system including a look-up table storing a listing of commands that can be received in messages from the personal computing device; and a listing of corresponding commands recognizable by the media player. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system including a look-up table storing a listing of commands that can be received in messages from the personal computing device (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064); and a listing of corresponding commands recognizable by the media player (step S4, the broadcast server 100 identifies a product code for the requested track at step S5; product code uniquely identifies the requested track, para 0250), [wherein this code allow client access to media data file]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to store a listing of commands that can be received in messages from the personal computing device in the invention of Ansari as taught by Boswell. The motivation would have been to send access code from the billing module to the billing verification module (Boswell, para 0170).

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US2012/033314

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

Regarding claim 30, Ansaris lacks the teaching wherein the server system including a look-up table storing a listing of commands that can be received in messages from the personal computing device; and a listing of corresponding commands each of which is recognizable by at least one of a plurality of media players. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system including a look-up table storing a listing of commands that can be received in messages from the personal computing device (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064); and a listing of corresponding commands each of which is recognizable by at least one of a plurality of media players (server 100 identifies a product code for the requested track at step S5. This can occur in any suitable way, for example using a look-up table, para 0250), [wherein the server interface with the media player]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include a server system including a look-up table storing a listing of commands that can be received in messages from the personal computing device in the invention of Ansari as taught by Boswell. The motivation would have been to send access code from the billing module to the billing verification module (Boswell, para 0170).

Regarding claim 34, Ansari lacks the teaching wherein the server system includes a synchronization code uniquely associated with the display device; wherein the message from the personal computing device includes code; and wherein in response to receiving the message from personal computing device, the server system uses the synchronization code and the look-up table to identify the display device that is to receive the further message including the corresponding command. Boswell is in the field using method to protect against unauthorized playback or copying of video (abstract) and teaches wherein the server system includes a synchronization code uniquely associated with the display device (media code displayed by the media player 58. The media code is 11 bytes (i.e. 11 alphanumeric characters) long, para 0088), [wherein the characters represent a synchronization code]; wherein the message from the personal computing device includes code (media identification code, which identifies the corresponding media item, and the serial number of the media player 58, para 0088); and wherein in response to receiving the message from personal computing device, the server system uses the code and the look-up table to identify the display device that is to receive the further message including the corresponding command (The DVD encryption and extraction module 18 or conversion module 19, can be pre-programmed to make a decision as to what cropping and/or stretching is required on the basis of a look-up table, para 0064). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to in the invention to include a server system with a synchronization code uniquely associated with the display device in the invention of Ansari as taught by Boswell. The motivation would have been to send access code from the billing module to the billing verification module (Boswell, para 0170).

Regarding claim 35, Ansari lacks the teaching wherein the synchronization code is different from an IP address associated with the display device. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the synchronization code is different from an IP address associated with the display device (player application 32 and the download manager may be written in JAVA, para 0023). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to in the invention to include a code which is different from an IP address associated with the display device in the invention of Ansari as taught by Abramson. The motivation would have been to provide a permanently stored application on the hard-drive (Abramson, para 0023). The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 36, Ansaris discloses wherein the synchronization code is different from a MAC address associated with the display device (portal106 allows for synchronization and replication of a user's licensed assets with each of the user's media player control 126, para 0024), [wherein figure 1 shows a plurality of computing devices including a PC and MAC which would indicate different relative to the coding].

Claims 8-10 lack an inventive step under PCT Article 33(3) as being obvious over Ansari in view of Abramson and furthure in view of Arumugam.

Regarding claim 8, Ansari lacks the teaching wherein receiving, in the server system, a code from the personal computing device; wherein the code is uniquely associated with the display device on which the video content is to be played; and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code. Arumugam is in the field using in-process payer authorization systems for e-commerce purchases (abstract) and teaches wherein receiving, in the server system, a code from the personal computing device (transaction request includes an indication that the consumer intends to use in-process payer authorization; transaction processor generates a random code and sends the code to a communication device (e.g., cell phone, PDA, personal computer), para 0036; FIG 2), [wherein in-process authorization indicate a connection to the server]; wherein the code is uniquely associated with the display device on which the video content is to be played (transaction processor generates a random code and sends the code to a communication device, para 0036; FIG 2); and storing in the server system a record establishing a connection between the personal computing device and the display device based on the code (program code or code segments to perform the necessary tasks may be stored in a machine readable medium such as storage medium, para 0018). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to in the invention to include receive in the server system, a code from the personal computing device; wherein the code is uniquely associated with the display device on which the video content is to be played in the invention of Ansari as taught by Arumugam. The motivation would have been to match the random code to allow the transaction (Arumugam, para 0037).

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

Regarding claim 9, Ansari lacks the teaching wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device. Abramson is in the field using retrieval and storage files to display the interactive elements semi-transparently over the video contents (abstract) and teaches wherein the code is different from an IP address associated with the display device and is different from a MAC address associated with the display device (player application 32 and the download manager may be written in JAVA, para 0023). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to in the invention to include a code which is different from an IP address associated with the display device and is different from a MAC address associated with the display device in the invention of Ansari as taught by Abramson. The motivation would have been to provide a permanently stored application on the hard-drive (Abramson, para 0023). The motivation would have been to control the video (Abramson, para 0073).

Regarding claim 10, Ansari lacks the teaching wherein assigning a randomly generated code to the display device each time the display device connects to the server system. Arumugam is in the field using in-process payer authorization systems for e-commerce purchases (abstract) and teaches wherein assigning a randomly generated code to the display device each time the display device connects to the server system (transaction request includes an indication that the consumer intends to use in-process payer authorization; transaction processor generates a random code and sends the code to a communication device (e.g., cell phone, PDA, personal computer), para 0036; FIG 2 [wherein in-process authorization indicate a connection to the server]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to assign a randomly generated code to the display device each time the display device connects to the server system in the invention of Ansari as taught by Arumugam. The motivation would have been to match the random code to allow the transaction (Arumugam, para 0037).

Claims 21, 37 lack an inventive step under PCT Article 33(3) as being obvious over Ansari in view of Abramson and Boswell, and further in view of Arumugam.

Regarding claim 21, Ansari lacks the teaching wherein assigning a randomly generated code to the display device each time the display device connects to the server system. Arumugam is in the field using in-process payer authorization systems for e-commerce purchases (abstract) and teaches wherein assigning a randomly generated code to the display device each time the display device connects to the server system (transaction request includes an indication that the consumer intends to use in-process payer authorization; transaction processor generates a random code and sends the code to a communication device (e.g., cell phone, PDA, personal computer), para 0036; FIG 2 [wherein in-process authorization indicate a connection to the server]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to assign a randomly generated code to the display device each time the display device connects to the server system in the invention of Ansari as taught by Arumugam. The motivation would have been to match the random code to allow the transaction (Arumugam, para 0037).

Regarding claim 37, Ansari lacks the teaching wherein the server system operable to assign a randomly generated synchronization code to the display device each time the display device connects to the server system. Arumugam is in the field using in-process payer authorization systems for e-commerce purchases (abstract) and teaches wherein the server system operable to assign a randomly generated synchronization code to the display device each time the display device connects to the server system (transaction request includes an indication that the consumer intends to use in-process payer authorization; transaction processor generates a random code and sends the code to a communication device (e.g., cell phone, PDA, personal computer), para 0036; FIG 2 [wherein in-process authorization indicate a connection to the server]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to assign a randomly generated code to the display device each time the display device connects to the server system in the invention of Ansari as taught by Arumugam. The motivation would have been to match the random code to allow the transaction (Arumugam, para 0037).

Claims 1-21, 27-36, 67 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Search History:

Complete Classification Search

The Patent Analyst performed a complete classification search within the following US, IPC, ECLA, or F-Term classification areas:

U.S. Class/Subclass (es): 386/200

See Global Search Results.

Limited Classification Search

The Patent Analyst performed a limited classification search within the following US, IPC, ECLA, or F-Term classification areas:

U.S. Class/Subclass (es): 386/200, 230; 715/863, 864

IPC (8) Class/Subclass (es): G06F 3/14, 3/033; H04N 5/775, 7/26 (2012.01)

See Global Search Results.

Global Patent Literature Text Search

The Patent Analyst performed the following global text search, which was not limited by classification but may or may not have been limited by other criteria:

PATBASE

Search 1:	pa=((touchstream technologies) and (pd<20110421)) (Results 0)
Search 2:	inv=((strober) and (pd<20110421)) (Results 34)
Search 3:	inv=((strober david) and (pd<20110421)) (Results 0)
Search 4:	uc=(386/200) (Results 528)
Search 5:	uc=(386/230) (Results 1343)
Search 6:	uc=(715/863) (Results 1354)
Search 7:	uc=(715/864) (Results 669)
Search 8:	7 or 6 (Results 1966)
Search 9:	7 or 4 (Results 1197)
Search 10:	7 or 5 (Results 2012)
Search 11:	6 or 5 (Results 2697)
Search 12:	6 or 4 (Results 1882)
Search 13:	5 or 4 (Results 1816)
Search 14:	FT=(apparatus or method or playback) (Results 100000)
Search 15:	FT=(media or processor or network) (Results 100000)
Search 16:	FT=(server or video or content) (Results 100000)
Search 17:	FT=(program* or control or command) (Results 100000)
Search 18:	FT=(code or device or display) (Results 100000)
Search 19:	FT=(universal or file or "look-up") (Results 100000)
Search 20:	FT=(table or player or remote) (Results 100000)
Search 21:	FT=(system or control* or stor*) (Results 100000)
Search 22:	21 and 13 (Results 1804)

Search 23:	21 and 12 (Results 1876)
Search 24:	21 and 11 (Results 2683)
Search 25:	21 and 10 (Results 1995)
Search 26:	21 and 9 (Results 1188)
Search 27:	21 and 8 (Results 1956)
Search 28:	4 or 5 or 6 or 7 (Results 3782)
Search 29:	28 and 21 (Results 3760)
Search 30:	28 and 19 (Results 1841)
Search 31:	28 and 18 (Results 3726)
Search 32:	28 and 17 (Results 3660)
Search 33:	28 and 16 (Results 3295)
Search 34:	28 and 15 (Results 2956)
Search 35:	28 and 14 (Results 3687)
Search 36:	ipc=(h04n7/26) (Results 37495)
Search 37:	ipc=(h04n5/775) (Results 2796)
Search 38:	ipc=(g06f3/033) (Results 55514)
Search 39:	ipc=(g06f3/14) (Results 43116)
Search 40:	39 or 38 or 37 or 36 (Results 100000)
Search 41:	40 and 21 (Results 99302)
Search 42:	40 and 20 (Results 38384)
Search 43:	40 and 19 (Results 22402)
Search 44:	40 and 18 (Results 100000)
Search 45:	40 and 17 (Results 78515)
Search 46:	40 and 16 (Results 53364)
Search 47:	40 and 15 (Results 47147)
Search 48:	40 and 14 (Results 76202)

GOOGLE PATENT http://www.google.com/advanced_patent_search

No. of Hits	Text String
100 of 1800	controlling presentation of video content on a display device by a media player
100 of 34500	apparatus for controlling presentation of content
100 of 1150	video content or server system or video file or universal playback
116 of 116	programming code or control or media player or information or look-up table
100 of 270	randomly generated code to the display device each time the display device connects to the server system

Computer Accessed Text Databases Searched

The Patent Analyst searched the following computer accessed text databases:

GOOGLE: www.google.com

No. of Hits	Text String
100 of 3590000	randomly generated code to the display device each time the display device connects to the server system
100 of 8310000	programming code or control or media player or information or look-up table
100 of 1040000	video content or server system or video file or universal playback
100 of 4180000	controlling presentation of video content on a display device by a media player

Date search was completed: 16 August 2012
JR/JG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: 2172
Serial No.	: 13/245,001	Examiner	: John M. Heffington
Filed	: September 26, 2011	Conf. No.	: 4575
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
SUBMITTED PURSUANT TO USPTO'S QPIDS PILOT PROGRAM

Please consider the references listed on the enclosed PTO-1449 form. Copies of the listed U.S. patent application publications will be provided on request.

A copy of a Search Report and Written Opinion (dated September 7, 2012) from the ISA/US in a counterpart PCT application are enclosed.

This Statement is being filed after payment of the issue fee (which was paid on August 28, 2012), and is accompanied by a web-based ePetition to withdraw from issue under §1.313(c)(2) and a Request for Continued Examination (RCE), which is to be treated as "conditional" pursuant to The USPTO's QPIDS Pilot Program.

Each item of information in this information disclosure statement was first cited in the enclosed PCT Search Report and Written Opinion from the ISA/US in the counterpart PCT application, the communication from the ISA/US being dated September 7, 2012, which is not more than three months prior to the filing of this information disclosure statement. See 37 CFR 1.97(e)(1). Please apply the required fee of $180 under 37 CFR §1.17(p), and any other necessary charges to Deposit Account 06-1050, referencing the above attorney docket number.

Attorney's Docket No.: 30160-0002002

Respectfully submitted,

Date: September 13, 2012

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PRINTER RUSH

(PTO ASSISTANCE)

Application:	13245001	**Examiner:**	HEFFINGTON	**GAU:**	2172
From:	Natarsha Horne	**Location:**	RTFM	**Creation Date:**	08/30/2012

Tracking #: Week Date:

DOC CODE	DOC DATE	MISCELLANEOUS
[ ] 1449		[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[X] 312	08/28/2012	
[ ] SPEC		

[RUSH] Message:

Please respond to the 8/28/2012, A.NA

Thank You
NYH

[XRUSH] Response:

Ok to enter the
amendment dated
8/28/2012

JMH
Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.
NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: Oct 11

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	("20050034151" | "20070288715" | "20080077526" | "20100027974").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/09/26 14:50
S1	18559	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:50
S2	447	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:51
S3	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:52
S4	273	((compatib$4 or appropriat$3 or proper$3 or suitabl$3 or compliant or adapt$3 or correspond$3) near2 (mediaplayer or (media player) or (media$1player) or player or (media interface) or (media program) or (media application))) and (javascript or (java script) or (java$1script)) and (multimedia or (multi media) or (multi$1media)) not (strober).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/08 15:55
S5	2	"20110138354".pn. and ((video file) same source)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:16
S6	2	"20110138354".pn. and ((mashup application) same video)	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/09 10:45

			DERWENT; IBM_TDB			
S7	2	"20110138354".pn. and ((mashup application) same (video file))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 10:46
S8	1	"20110060998".pn. and ((player or application) with compatib$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/09 16:33
S9	0	"20110060998".pn. and (library same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S10	1	"20110060998".pn. and (library and message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S11	0	"20110060998".pn. and (library same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S12	0	"20110060998".pn. and (library same3 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S13	0	"20110060998".pn. and (library same4 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S14	1	"20110060998".pn. and (library same5 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 11:50
S15	1	"20110060998".pn. and (library same5 server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:00
S16	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/10 12:02

			DERWENT; IBM_TDB			
S17	2	"20110060998".pn. and (media with content with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:13
S18	2	"20110060998".pn. and (media content object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:16
S19	0	"20110060998".pn. and ((media content object) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S20	1	"20110060998".pn. and ((media content object) same2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:17
S21	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 12:19
S22	1	"20110060998".pn. and ((media content object) same (capabilit$3 or compatib$5) same play$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:05
S23	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 14:15
S24	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:30
S25	1	"20110060998".pn. and (playlist same (compatib$5 or capabil$4 or capabilities))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:31
S26	1	"20110060998".pn. and ((media content object) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/10 15:57

			DERWENT; IBM_TDB			
S27	1	"20110060998".pn. and ((media content) same (capable or capability or capabilities or compatible or compatible or compatibility))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 15:59
S28	1	"20110060998".pn. and (((media content) or list) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:21
S29	0	"20110060998".pn. and ((playlist) with property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S30	0	"20110060998".pn. and ((playlist) same property)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S31	1	"20110060998".pn. and ((playlist))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:24
S32	1	"20110060998".pn. and ((playlist) with object)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/10 16:25
S33	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 08:45
S34	0	"20110060998".pn. and (database with (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:18
S35	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:19
S36	0	"20110060998".pn. and (database same (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/11 09:20

			DERWENT; IBM_TDB			
S37	1	"20110060998".pn. and (database and (media object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/11 09:20
S38	1	"20110060998".pn. and (destination same (device or player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 10:30
S39	1	"20110060998".pn. and (destination with application)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:37
S40	1	"20110060998".pn. and ((media management application) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 12:58
S41	1	"20110060998".pn. and (server with destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/17 15:11
S42	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 10:56
S43	1	"20110060998".pn. and ((stor$3 or database or library) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:00
S44	1	"20110060998".pn. and ((compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:09
S45	1	"20110060998".pn. and ((message) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 12:10
S46	0	"20110060998".pn. and ((property) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/18 14:17

			DERWENT; IBM_TDB			
S47	0	"20110060998".pn. and ((properties) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:17
S48	1	"20110060998".pn. and ((property) same2 transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:18
S49	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 14:49
S50	1	"20110060998".pn. and ((capable or capability or capabilities or compatible or compatibility) same message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:01
S51	1	"20110060998".pn. and (library same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:16
S52	1	"20110060998".pn. and (message same transcod$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/18 15:32
S53	1	"20110060998".pn. and ((webpage or (web$1page) or (web page)) same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:07
S54	1	"20110060998".pn. and ("210" same play$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 16:23
S55	2	"20080086760".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:09
S56	467	((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running))	US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	2011/11/20 17:43

			DERWENT; IBM_TDB			
S57	468	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S58	0	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) with (reload or (re$1load) or reopen or (re$1open)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:44
S59	47	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same (reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:47
S60	41	(((check$3 or determin$ or determination) near2 player near2 (loaded or instantiated or displayed or executing or running or opened)) same ((reload$3 or (re$1load$3) or reopen$3 or (re$1open$3) or instantiat$3 or redisplay$3 or (re$1display$3) or execut$3 or rerun$4 or (re$1run$4)) with player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 17:48
S61	0	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485")".PN"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:32
S62	22	("20060083194" | "20060203758" | "20070202923" | "20080155600" | "20090228919" | "20100137028" | "20100205628" | "20110030020" | "7058356" | "7835505" | "7849485").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:33
S63	1726	715/716.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:35
S64	370	715/716.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/11/20 18:37
S65	18824	(map$4 or correlat$3 or associat$3 or coordinat$3 or affiliat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:10

S66	18556	(map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:11
S67	8518	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S68	4624	((map$4 or correlat$3 or associat$3 or group$3 or pair$3 or relat$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:12
S69	3483	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:13
S70	2491	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and (protocol or api or (application programming interface))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:15
S71	679	((map$4 or correlat$3 or associat$3 or group$3) with ((media file) or song or video or (audio$1visual) or (audio visual) or multimedia or multi$1media) with (player)) and server and (database or data$1base) and ((protocol or api or (application programming interface)) with player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/23 16:16
S72	0	13/245001.pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S73	0	13/245001.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/25 10:18
S74	1	"20110060998".pn. and (request$3 with retriev$3 with render$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/27 19:49
S75	0	"20110060998".pn. and (request with location with object)	US-PGPUB; USPAT;	ADJ	ON	2012/05/28 10:22

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S76	1	"20110060998".pn. and (request same (location with object))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 10:23
S77	1	"20110060998".pn. and (((music or audio) and video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:52
S78	1	"20110060998".pn. and (((music or audio) with video) with (device or destination))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 13:54
S79	1	"20110060998".pn. and (((music or audio) with video) with (player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/28 14:02
S80	1304	715/738.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 11:53
S81	59	("20020075332" | "20020120666" | "20020129102" | "20020133518" | "20020198778" | "20030004804" | "20030005000" | "20030018885" | "20030023488" | "20030028565" | "20030193520" | "20040088728" | "20050144305" | "20060098624" | "20060101098" | "20070094408" | "20080008439" | "20080028037" | "20080267369" | "20080270881" | "20100265939" | "20100281042" | "20110060998" | "20110090898" | "20110107227" | "20110138354" | "20110214148" | "20110231265" | "20110231566" | "7330875" | "7424718" | "7440972" | "7769827").PN. or ("20110296465").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 12:30
S82	93	715/738.ccls. and (media player)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/05/30 14:24
S83	0	13/245001.app.	US-PGPUB; USPAT; FPRS;	ADJ	ON	2012/07/17 10:57

			EPO; JPO; DERWENT; IBM_TDB			
S84	1	"20110060998".pn. and (application same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/17 11:48
S85	133564	((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) and ((display$3 or screen or television or tv) with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:38
S86	78416	((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:41
S87	21574	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and ((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:49
S88	9620	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and ((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:50
S89	3011	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and ((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) and ((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:52
S90	2130	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with (computer or	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:53

		(computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)))				
S91	1793	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:54
S92	83	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) near3 (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 08:55
S93	0	(11/755871).APP.	USPAT; USOCR	ADJ	ON	2012/07/28 09:34
S94	2	("2008/0301737").URPN.	USPAT	ADJ	ON	2012/07/28 09:34
S95	401	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:41
S96	318	(((computer or (computing (device or apparatus)) or phone or telephone or pda or (personal digital assistant)) with server) same ((display$3 or screen or television or tv) with server)) and (((((sync or synchroniz$3 or synchronization) near2 code) or id or identif$3) with (display$3 or screen or television or tv)) with server) and (mediaplayer or media$1player or (media player)) not S92	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:41
S97	8	("20070050054" | "6813775" | "20040008972" | "20060212906").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:50
S98	85	(US-20110231566-$ or US-20110231565-$ or US-20110231265-$ or US-20110228768-$ or US-20110214148-$ or US-20110138354-$ or US-20110125594-$ or US-20110107227-$ or US-20110090898-$	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/07/28 09:51

		or US-20110060998-$ or US-20110035692-$ or US-20110014972-$ or US-20100281042-$ or US-20100265939-$ or US-20100198860-$ or US-20090254827-$ or US-20090049373-$ or US-20080270881-$ or US-20080267369-$ or US-20080187279-$ or US-20080140849-$ or US-20080126943-$ or US-20080028037-$ or US-20080008439-$ or US-20070112785-$ or US-20070094408-$).did. or (US-20070083540-$ or US-20070055986-$ or US-20060265657-$ or US-20060263038-$ or US-20060200832-$ or US-20060101098-$ or US-20060098624-$ or US-20050144305-$ or US-20040268224-$ or US-20040088728-$ or US-20030193520-$ or US-20030028565-$ or US-20030023488-$ or US-20030018885-$ or US-20030005000-$ or US-20030004804-$ or US-20020198778-$ or US-20020133518-$ or US-20020129102-$ or US-20020120666-$ or US-20020075332-$ or US-20120110464-$ or US-20120072846-$ or US-20110289419-$ or US-20100325552-$ or US-20100313135-$ or US-20100174993-$).did. or (US-20100138746-$ or US-20100094728-$ or US-20090282470-$ or US-20090259944-$ or US-20090164641-$ or US-20080189617-$ or US-20040268451-$ or US-20030142127-$ or US-20120166560-$ or US-20110296454-$ or US-20110161396-$ or US-20110156879-$ or US-20110007901-$ or US-20100283586-$ or US-20090094331-$ or US-20080301737-$ or US-20080034394-$ or US-20030182663-$ or US-20070050054-$ or US-20040008972-$).did. or (US-7769827-$ or US-7440972-$ or US-7424718-$ or US-7330875-$ or US-7774708-$ or US-7433922-$ or US-8171507-$ or US-7814144-$ or US-8086679-$ or US-7453454-$).did. or (WO-2007024271-$ or WO-02080545-$).did.				
S99	12	S98 and "715"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 09:51
S104	8972	(715/734 or 715/738 or 715/740 or 715/751 or 715/764 or 715/835).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/28 13:12
S105	5000	(US-20120192113-$ or US-	US-PGPUB;	ADJ	ON	2012/07/28

		20120192109-$ or US-20120192094-$ or US-20120192092-$ or US-20120192090-$ or US-20120192084-$ or US-20120192079-$ or US-20120192078-$ or US-20120192077-$ or US-20120192076-$ or US-20120192075-$ or US-20120192074-$ or US-20120192064-$ or US-20120191560-$ or US-20120185822-$ or US-20120185795-$ or US-20120185778-$ or US-20120185777-$ or US-20120185775-$ or US-20120185768-$ or US-20120179999-$ or US-20120179998-$ or US-20120179997-$ or US-20120179974-$ or US-20120179973-$ or US-20120179972-$).did. or (US-20120174037-$ or US-20120174035-$ or US-20120174034-$ or US-20120174006-$ or US-20120174005-$ or US-20120174004-$ or US-20120173994-$ or US-20120173992-$ or US-20120173988-$ or US-20120173987-$ or US-20120173979-$ or US-20120173977-$ or US-20120173339-$ or US-20120167013-$ or US-20120167011-$ or US-20120167008-$ or US-20120166983-$ or US-20120166982-$ or US-20120166967-$ or US-20120166962-$ or US-20120166961-$ or US-20120166960-$ or US-20120166959-$ or US-20120166956-$ or US-20120166462-$ or US-20120164989-$ or US-20120159396-$).did. or (US-20120159395-$ or US-20120159387-$ or US-20120159360-$ or US-20120159357-$ or US-20120159348-$ or US-20120159347-$ or US-20120159344-$ or US-20120159343-$ or US-20120159342-$ or US-20120159340-$ or US-20120159339-$ or US-20120159338-$ or US-20120159337-$ or US-20120158512-$ or US-20120154283-$ or US-20120151557-$ or US-20120151415-$ or US-20120151392-$ or US-20120151391-$ or US-20120151390-$ or US-20120151381-$ or US-20120151378-$ or US-20120151377-$ or US-20120151374-$ or US-20120151373-$ or US-20120151372-$ or US-20120151371-$).did. or (US-20120151370-$ or US-20120151369-$ or US-20120151368-$ or US-20120151367-$ or US-20120151366-$ or US-20120151365-$ or US-20120151352-$ or US-20120151348-$ or US-20120151318-$ or US-20120144329-$ or US-20120144328-$ or US-20120144317-$ or US-20120144316-$ or US-20120144308-$ or US-20120144301-$ or US-20120143903-$ or US-20120143831-$	USPAT			18:13	

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		or US-20110288913-$ or US-20110288895-$ or US-20110288876-$ or US-20110283237-$ or US-20110283236-$ or US-20110283208-$ or US-20110283201-$ or US-20110283199-$ or US-20110283198-$ or US-20110283197-$ or US-20110283196-$ or US-20110283195-$ or US-20110282942-$ or US-20110282935-$ or US-20110282873-$ or US-20110282715-$ or US-20110279851-$ or US-20110279445-$ or US-20110279415-$).did. or (US-20110279375-$ or US-20110277027-$ or US-20110276922-$ or US-20110276917-$ or US-20110276911-$ or US-20110276909-$ or US-20110276896-$ or US-20110276895-$ or US-20110276894-$ or US-20110276890-$ or US-20110276889-$ or US-20110276886-$ or US-20110276885-$ or US-20110276872-$ or US-20110276583-$ or US-20110276565-$ or US-20110276554-$ or US-20110276434-$ or US-20110276389-$ or US-20110276377-$ or US-20110276369-$ or US-20110276198-$ or US-20110271226-$ or US-20110271215-$ or US-20110271201-$ or US-20110271184-$ or US-20110271182-$).did. or (US-20110271174-$ or US-20110270824-$ or US-20110270628-$ or US-20110267640-$ or US-20110265188-$ or US-20110265044-$ or US-20110265043-$ or US-20110265042-$ or US-20110265033-$ or US-20110265020-$ or US-20110265011-$ or US-20110265009-$ or US-20110265008-$ or US-20110265000-$ or US-20110264761-$ or US-20110264711-$ or US-20110264686-$ or US-20110264559-$ or US-20110264529-$ or US-20110264525-$ or US-20110264483-$ or US-20110263980-$ or US-20110261889-$ or US-20110260828-$ or US-20110258557-$ or US-20110258556-$ or US-20110258082-$).did. or (US-20110252416-$ or US-20110252379-$ or US-20110252378-$ or US-20110252377-$ or US-20110252376-$ or US-20110252375-$ or US-20110252374-$ or US-20110252373-$ or US-20110252372-$ or US-20110252371-$ or US-20110252369-$ or US-20110252360-$ or US-20110252351-$ or US-20110252338-$ or US-20110252330-$ or US-20110252329-$ or US-20110252256-$ or US-20110252153-$ or US-20110252060-$ or US-20110250960-$ or US-20110246945-$ or US-20110246944-$ or US-20110246935-$						

		or US-20110246932-$ or US-20110246921-$ or US-20110246915-$ or US-20110246914-$).did. or (US-20110246908-$ or US-20110246907-$ or US-20110246904-$ or US-20110246903-$ or US-20110246902-$ or US-20110246901-$ or US-20110246900-$ or US-20110246891-$ or US-20110246884-$ or US-20110246878-$ or US-20110246876-$ or US-20110246812-$ or US-20110246638-$ or US-20110246559-$ or US-20110246553-$ or US-20110246538-$ or US-20110246502-$ or US-20110246401-$ or US-20110246379-$ or US-20110246290-$ or US-20110246276-$ or US-20110246253-$ or US-20110246231-$ or US-20110246202-$ or US-20110242106-$ or US-20110242039-$ or US-20110239193-$).did. or (US-20110239146-$ or US-20110239144-$ or US-20110239143-$ or US-20110239142-$ or US-20110239132-$ or US-20110239131-$ or US-20110239130-$ or US-20110239123-$ or US-20110239122-$ or US-20110239111-$ or US-20110239103-$ or US-20110238751-$ or US-20110238676-$ or US-20110238535-$ or US-20110238533-$ or US-20110238498-$ or US-20110235088-$ or US-20110234896-$ or US-20110231874-$ or US-20110231800-$ or US-20110231798-$ or US-20110231797-$ or US-20110231776-$ or US-20110231775-$ or US-20110231774-$ or US-20110231773-$ or US-20110231424-$).did. or (US-20110231092-$ or US-20110230238-$ or US-20110228307-$ or US-20110225548-$ or US-20110225547-$ or US-20110225527-$ or US-20110225526-$ or US-20110225525-$ or US-20110225510-$ or US-20110225503-$ or US-20110225500-$ or US-20110225481-$ or US-20110225366-$ or US-20110225156-$ or US-20110225151-$ or US-20110225032-$ or US-20110225028-$ or US-20110219398-$ or US-20110219366-$ or US-20110219338-$ or US-20110219329-$ or US-20110219322-$ or US-20110219321-$ or US-20110219314-$ or US-20110219313-$ or US-20110219307-$ or US-20110219218-$).did. or (US-20110218928-$ or US-20110214091-$ or US-20110214068-$ or US-20110214063-$ or US-20110214062-$ or US-20110214053-$ or US-20110213883-$ or US-20110213855-$ or US-20110211813-$ or US-20110209201-$ or US-20110209143-$					

		or US-20110209091-$ or US-20110209076-$ or US-20110209070-$ or US-20110209068-$ or US-20110209042-$ or US-20110208963-$ or US-20110208801-$ or US-20110208767-$ or US-20110208753-$ or US-20110208731-$ or US-20110208589-$ or US-20110208562-$ or US-20110208389-$ or US-20110208339-$ or US-20110205849-$ or US-20110202885-$).did. or (US-20110202883-$ or US-20110202882-$ or US-20110202873-$ or US-20110202856-$ or US-20110202852-$ or US-20110202851-$ or US-20110202849-$ or US-20110202848-$ or US-20110202847-$ or US-20110202835-$ or US-20110202656-$ or US-20110202533-$ or US-20110202468-$ or US-20110202442-$ or US-20110202437-$ or US-20110202367-$ or US-20110202269-$ or US-20110201322-$ or US-20110199322-$ or US-20110197164-$ or US-20110197156-$ or US-20110197152-$ or US-20110197151-$ or US-20110197141-$ or US-20110197139-$ or US-20110197138-$ or US-20110197137-$).did. or (US-20110197136-$ or US-20110196761-$ or US-20110196748-$ or US-20110196743-$ or US-20110196735-$ or US-20110196719-$ or US-20110196704-$ or US-20110195748-$ or US-20110191719-$ or US-20110191718-$ or US-20110191705-$ or US-20110191704-$ or US-20110191699-$ or US-20110191689-$ or US-20110191688-$ or US-20110191685-$ or US-20110191683-$ or US-20110191682-$ or US-20110191611-$ or US-20110191516-$ or US-20110191478-$ or US-20110191424-$ or US-20110191333-$ or US-20110190967-$ or US-20110185390-$ or US-20110185299-$ or US-20110185296-$).did. or (US-20110185285-$ or US-20110185284-$ or US-20110185272-$ or US-20110185035-$ or US-20110184984-$ or US-20110184862-$ or US-20110184837-$ or US-20110184638-$ or US-20110184637-$ or US-20110184247-$ or US-20110183654-$ or US-20110182493-$ or US-20110181602-$ or US-20110181518-$ or US-20110179387-$ or US-20110179386-$ or US-20110179377-$ or US-20110179373-$ or US-20110179366-$ or US-20110179365-$ or US-20110179364-$ or US-20110179363-$ or US-20110179360-$ or US-20110179359-$ or US-20110179358-$ or US-20110178995-$						

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		20040046794-$ or US-20040046785-$ or US-20040044732-$ or US-20040044725-$ or US-20040041837-$ or US-20040041836-$ or US-20040041834-$ or US-20040041833-$ or US-20040036720-$ or US-20040032428-$ or US-20040032427-$ or US-20040032426-$ or US-20040032425-$ or US-20040027381-$ or US-20040027380-$ or US-20040027379-$ or US-20040021687-$ or US-20040021686-$ or US-20040017396-$ or US-20040017392-$ or US-20040017391-$ or US-20040012633-$ or US-20040012626-$ or US-20040012625-$ or US-20040012624-$ or US-20040008225-$ or US-20040008224-$).did. or (US-20040001085-$ or US-20040001084-$ or US-20030234953-$ or US-20030234812-$ or US-20030234809-$ or US-20030234807-$ or US-20030231215-$ or US-20030231208-$ or US-20030231203-$ or US-20030227478-$ or US-20030225876-$ or US-20030222913-$ or US-20030222902-$ or US-20030222901-$ or US-20030218634-$ or US-20030218632-$ or US-20030218630-$ or US-20030218629-$ or US-20030218628-$ or US-20030214537-$ or US-20030214532-$ or US-20030214531-$ or US-20030214529-$ or US-20030210280-$ or US-20030210264-$ or US-20030208373-$ or US-20030206201-$).did. or (US-20030206197-$ or US-20030204433-$ or US-20030204432-$ or US-20030204429-$ or US-20030204428-$ or US-20030202015-$ or US-20030200255-$ or US-20030197733-$ or US-20030197732-$ or US-20030197731-$ or US-20030197729-$ or US-20030197725-$ or US-20030197724-$ or US-20030197723-$ or US-20030193522-$ or US-20030193481-$ or US-20030189595-$ or US-20030189594-$ or US-20030189592-$ or US-20030189591-$ or US-20030184586-$ or US-20030184583-$ or US-20030184580-$ or US-20030179236-$ or US-20030179235-$ or US-20030179234-$ or US-20030179228-$).did. or (US-20030174169-$ or US-20030174168-$ or US-20030174166-$ or US-20030174163-$ or US-20030169294-$ or US-20030169290-$ or US-20030164857-$ or US-20030164856-$ or US-20030160831-$ or US-20030160823-$ or US-20030160817-$ or US-20030156132-$ or US-20030151624-$ or US-20030151620-$ or US-20030146930-$ or US-				

		20030145060-$ or US-20030145058-$ or US-20030142131-$ or US-20030142127-$ or US-20030142126-$ or US-20030137542-$ or US-20030137541-$ or US-20030137537-$ or US-20030137534-$ or US-20030135550-$ or US-20030132972-$ or US-20030132966-$).did. or (US-20030132957-$ or US-20030128240-$ or US-20030128238-$ or US-20030128233-$ or US-20030128230-$ or US-20030122874-$ or US-20030122873-$ or US-20030122866-$ or US-20030122865-$ or US-20030122864-$ or US-20030117438-$ or US-20030117437-$ or US-20030117433-$ or US-20030115613-$ or US-20030112280-$ or US-20030112276-$ or US-20030112273-$ or US-20030112270-$ or US-20030112269-$ or US-20030110270-$ or US-20030107600-$ or US-20030106041-$ or US-20030105848-$ or US-20030103088-$ or US-20030103081-$ or US-20030103077-$ or US-20030098881-$).did. or (US-20030097693-$ or US-20030095145-$ or US-20030095144-$ or US-20030093757-$ or US-20030093728-$ or US-20030090520-$ or US-20030090512-$ or US-20030090511-$ or US-20030090510-$ or US-20030090509-$ or US-20030085925-$ or US-20030085924-$ or US-20030085923-$ or US-20030085922-$ or US-20030085921-$ or US-20030085920-$ or US-20030085918-$ or US-20030085917-$ or US-20030085916-$ or US-20030085915-$ or US-20030085914-$ or US-20030081242-$ or US-20030081010-$ or US-20030081004-$ or US-20030081000-$ or US-20030080999-$ or US-20030080998-$).did. or (US-20030080996-$ or US-20030080995-$ or US-20030080994-$ or US-20030080993-$ or US-20030080992-$ or US-20030076356-$ or US-20030076354-$ or US-20030076353-$ or US-20030076352-$ or US-20030076351-$ or US-20030076350-$ or US-20030074416-$ or US-20030071845-$ or US-20030071841-$ or US-20030067487-$ or US-20030067486-$ or US-20030067481-$ or US-20030066031-$ or US-20030065765-$ or US-20030063121-$ or US-20030063119-$ or US-20030063118-$ or US-20030061285-$ or US-20030058276-$ or US-20030058275-$ or US-20030058274-$ or US-20030058272-$).did. or (US-20030058271-$ or US-20030058270-$ or US-20030058269-$ or US-					

		20030055914-$ or US-20030052920-$ or US-20030052919-$ or US-20030052918-$ or US-20030052917-$ or US-20030052912-$ or US-20030052911-$ or US-20030048311-$ or US-20030048302-$ or US-20030048301-$ or US-20030048295-$ or US-20030048294-$ or US-20030048293-$ or US-20030043209-$ or US-20030043194-$ or US-20030043193-$ or US-20030043185-$ or US-20030038837-$ or US-20030038836-$ or US-20030038835-$ or US-20030038834-$ or US-20030035007-$ or US-20030034999-$ or US-20030030671-$).did. or (US-20030028624-$ or US-20030025738-$ or US-20030025731-$ or US-20030023679-$ or US-20030020762-$ or US-20030020753-$ or US-20030020752-$ or US-20030018714-$ or US-20030016247-$ or US-20030016242-$ or US-20030014761-$ or US-20030014415-$ or US-20030007002-$ or US-20030005038-$ or US-20030001894-$ or US-20030001886-$ or US-20030001885-$ or US-20030001884-$ or US-20020196280-$ or US-20020196273-$ or US-20020196272-$ or US-20020196271-$ or US-20020191022-$ or US-20020191021-$ or US-20020191020-$ or US-20020191019-$ or US-20020191017-$).did. or (US-20020191016-$ or US-20020191015-$ or US-20020191014-$ or US-20020186245-$ or US-20020186240-$ or US-20020186239-$ or US-20020180792-$ or US-20020180781-$ or US-20020180780-$ or US-20020180778-$ or US-20020180732-$ or US-20020175942-$ or US-20020175941-$ or US-20020175940-$ or US-20020175938-$ or US-20020175936-$ or US-20020175935-$ or US-20020175934-$ or US-20020174209-$ or US-20020171685-$ or US-20020171684-$ or US-20020171680-$ or US-20020171677-$ or US-20020169797-$ or US-20020167549-$ or US-20020165934-$ or US-20020165910-$).did. or (US-20020163544-$ or US-20020163541-$ or US-20020163537-$ or US-20020163534-$ or US-20020161873-$ or US-20020158915-$ or US-20020158900-$ or US-20020158897-$ or US-20020156880-$ or US-20020156876-$ or US-20020154168-$ or US-20020154167-$ or US-20020154166-$ or US-20020154161-$ or US-20020154160-$ or US-20020154159-$ or US-20020154003-$ or US-20020149622-$ or US-				

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		8185824-$ or US-8185593-$ or US-8185591-$).did. or (US-8185562-$ or US-8184335-$ or US-8181198-$ or US-8181124-$ or US-8181114-$ or US-8181111-$ or US-8181108-$ or US-8180657-$ or US-8176432-$ or US-8176430-$ or US-8176428-$ or US-8176411-$ or US-8176149-$ or US-8175927-$ or US-8175863-$ or US-8174506-$ or US-8171546-$ or US-8171432-$ or US-8171431-$ or US-8171426-$ or US-8171424-$ or US-8171423-$ or US-8171420-$ or US-8171419-$ or US-8171418-$ or US-8171416-$ or US-8171414-$).did. or (US-8171413-$ or US-8171411-$ or US-8171408-$ or US-8171406-$ or US-8171394-$ or US-8166419-$ or US-8166412-$ or US-8166410-$ or US-8166409-$ or US-8166407-$ or US-8166405-$ or US-8166403-$ or US-8166402-$ or US-8164770-$ or US-8161415-$).did.				
S108	3972	S106 not S107	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/29 07:29
S109	0	"201100600998".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/30 11:08

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S100	3	(computing device) and server and (synchronization code) and video and player and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:44
S101	20	(computing device) and server and (synchronization code) and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:45
S102	64	server and (synchronization code) and (display device)	USPAT; UPAD	ADJ	ON	2012/07/28 09:46
S103	44	server and (synchronization code) and (display device) not S100 not S101	USPAT; UPAD	ADJ	ON	2012/07/28 09:46

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P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER
HEFFINGTON, JOHN M

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 10/10/2012

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$15	$0	$870	$15	01/10/2013

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 02/11)

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26211 7590 10/10/2012
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$15	$0	$870	$15	01/10/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
HEFFINGTON, JOHN M	2172	715-740000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

26211 7590 10/10/2012
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER	
HEFFINGTON, JOHN M	

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 10/10/2012

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 4 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 4 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.	Applicant(s)	
	13/245,001	STROBER, DAVID	
	Examiner	Art Unit	
	JOHN HEFFINGTON	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the Request for Continued Examination filed 13 September 2012*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☐ The allowed claim(s) is/are *1-4 and 6-27*.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 9/13/12
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other *Response to 312 amendment, printer rush*.

/Boris Pesin/
Supervisory Patent Examiner, Art Unit 2172

Response to Rule 312 Communication	Application No.	Applicant(s)
	13/245,001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address –

1. ☒ The amendment filed on *28 August 2012* under 37 CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

/Boris Pesin/
Supervisory Patent Examiner, Art Unit 2172

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No. 13/245,001
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	Examiner: John Heffington
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2010/0027974 A1	02/04/2010	Ansari			
	2	2005/0034151 A1	02/10/2005	Abramson			
	3	2007/0288715 A1	12/13/2007	Boswell et al.			
	4	2008/0077526 A1	03/27/2008	Arumugam			
	5						
	6						
	7						
	8						
	9						
	10						
	11						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12							
	13							
	14							
	15							
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	
	18	
	19	
	20	

Examiner Signature	/John Heffington/	Date Considered	09/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.H./

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	Art Unit
	JOHN HEFFINGTON	2172

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	11/20/2011	05/30/2012	07/30/2012	09/26/2012					
	1	✓	✓	=	=					
	2	✓	✓	=	=					
	3	✓	✓	=	=					
	4	✓	✓	=	=					
	5	✓	-	-	-					
	6	✓	✓	=	=					
	7	✓	✓	=	=					
	8	✓	✓	=	=					
	9	✓	✓	=	=					
	10	✓	✓	=	=					
	11	✓	✓	=	=					
	12	✓	✓	=	=					
	13	✓	✓	=	=					
	14	✓	✓	=	=					
	15	✓	✓	=	=					
	16	✓	✓	=	=					
	17	✓	✓	=	=					
	18	✓	✓	=	=					
	19	✓	✓	=	=					
	20	✓	✓	=	=					
	21	✓	✓	=	=					
	22	✓	✓	=	=					
	23	✓	✓	=	=					
	24	✓	✓	=	=					
	25	✓	✓	=	=					
	26	✓	✓	=	=					
	27	✓	✓	=	=					

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	**Art Unit**
	JOHN HEFFINGTON	2172

SEARCHED			
Class	**Subclass**	**Date**	**Examiner**
715	716	10/20/11	JMH
715	738	5/30/12	JMH
715	734, 740, 751, 764, 835	7/28/12	JMH

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
EAST Search	11/08/11 - 11/20/11	JMH
Text Search 715/716		
EAST Search	5/23/12 - 5/30/12	JMH
EAST Search	7/17/12 - 7/29/12	JMH
NPL Search	11/19/11	JMH
NPL Search	7/30/12	JMH
EAST Search	9/26/12	JMH

INTERFERENCE SEARCH			
Class	**Subclass**	**Date**	**Examiner**
	PG-PUB and Patent text search, see interference search printout.	7/28/12	JMH

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13245001	STROBER, DAVID
	Examiner	**Art Unit**
	JOHN HEFFINGTON	2172

ORIGINAL		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
715	740	G 0 6 F 3 / 00 (2006.0)	

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
715	716	734	738	751	764
715	835				

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	16	17												
2	2	17	18												
3	3	18	19												
4	4	19	20												
	5	20	21												
5	6	21	22												
6	7	22	23												
7	8	23	24												
8	9	24	25												
9	10	25	26												
10	11	26	27												
11	12														
12	13														
13	14														
14	15														
15	16														

/JOHN HEFFINGTON/ Examiner.Art Unit 2172	9/26/2012	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	26	
/BORIS PESIN/ Supervisory Patent Examiner.Art Unit 2172	09/30/2012	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

OK TO ENTER: /J.H./ 09/11/2012 Attorney Docket No.: 30160-0002002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit :	2172
Serial No.	: 13/245,001	Examiner :	John M. Heffington
Filed	: September 26, 2011	Confirmation No.:	4575
		Notice of Allowance Date:	8/16/2012
Title	: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE		

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE
PURSUANT TO 37 C.F.R. §1.312

Please amend the application as indicated on the following pages. This amendment is being filed concurrently with the payment of the issue fee.

To: PATDOCTC@fr.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 26211

Oct 10, 2012 05:25:38 AM

Dear PAIR Customer:

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 26211 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:
The list of documents shown below is provided as a courtesy and is not part of the official file wrapper. The content of the images shown in PAIR is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
13245001	NOA	10/10/2012	30160-0002002
	N271	10/10/2012	30160-0002002
	1449	10/10/2012	30160-0002002

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit :	2172
Serial No.	: 13/245,001	Examiner :	John M. Heffington
Filed	: September 26, 2011	Confirmation No.:	4575
		Notice of Allowance Date:	October 10, 2012

Title : PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed October 10, 2012, enclosed is a completed issue fee transmittal form PTOL-85b.

The issue fee in the amount of $15 is being paid concurrently herewith. In addition, please apply any other necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: October 12, 2012

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

3072311.doc

PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

26211 7590 10/10/12

FISH & RICHARDSON P.C.
P.O. Box 1022
Minneapolis, MN 55440-1022

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: **PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$15	$0	$15	01/10/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
HEFFINGTON, JOHN M.	2172	715-740000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

[ ] Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

[ ] "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. **Fish & Richardson P.C.**
2.
3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE (CITY and STATE OR COUNTRY)

Touchstream Technologies, Inc. **Valhalla, NY**

Please check the appropriate assignee category or categories (will not be printed on the patent): [ ] individual [X] corporation or other private group entity [ ] government

4a. The following fee(s) are enclosed:
[X] Issue Fee
[ ] Publication Fee (No small entity discount permitted)
[ ] Advance Order - # of Copies .....

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[X] The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050. (enclose an extra copy of this form)

5. **Change in Entity Status** (from status indicated above)

[ ] a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. [ ] b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.
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(Authorized Signature) /Samuel Borodach/ (Date) **October 12, 2012**

Typed or Printed Name **Samuel Borodach** Registration No. 38,388

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.
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TRANSMIT THIS FORM WITH FEE(S)

SUBSTITUTE PTOL 85 (Rev. 12/04)

Electronic Acknowledgement Receipt

EFS ID:	13970866
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Joe Farrell
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	12-OCT-2012
Filing Date:	26-SEP-2011
Time Stamp:	13:00:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	301600002002issuefee.pdf	1225761 aa2e5c75fd205df6d0bc53ef71360210b048310f	no	2

Warnings:	
Information:	

Total Files Size (in bytes):	1225761

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PRINTER RUSH

(PTO ASSISTANCE)

Application:	13245001	**Examiner:**	Heffington	**GAU:**	2172
From:	Daxa Patel	**Location:**	IDC	**Creation Date:**	10/15/2012

Tracking #: Week Date: 10/08/2012

DOC CODE	DOC DATE	MISCELLANEOUS
[X] 1449	06/26/2012	[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[ ] 312		
[ ] SPEC		

[RUSH] Message:

Please initial/line through citations on 1449, 06/26/2012, please see U.S. Patent Nos. start with "2011/0296465".

Thank you
DP

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.
NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: Oct 11

IFW

OPAP WP30 OCT 12 2012 PATENT & TRADEMARK OFFICE

PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

26211 7590 10/10/12

FISH & RICHARDSON P.C.
P.O. Box 1022210/15/2012 CCHAU2 00000001 061050 13245001
Minneapolis, MN 55440-1022 01 FC:2501 885.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	09/26/2011	David Strober	30160-0002002	4575

TITLE OF INVENTION: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$15	$0	$15	01/10/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
HEFFINGTON, JOHN M.	2173	715-740000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
[ ] Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
[ ] "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1. Fish & Richardson P.C.
2.
3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.
(A) NAME OF ASSIGNEE (B) RESIDENCE (CITY and STATE OR COUNTRY)
Touchstream Technologies, Inc. Valhalla, NY

Please check the appropriate assignee category or categories (will not be printed on the patent): [ ] individual [X] corporation or other private group entity [ ] government

4a. The following fee(s) are enclosed:
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[X] The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
[ ] a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. [ ] b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.
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(Authorized Signature) /Samuel Borodach/ (Date) October 12, 2012

Typed or Printed Name Samuel Borodach Registration No. 38,388

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SUBSTITUTE PTOL 85 (Rev. 12/04)

Adjustment date: 10/15/2012 CCHAU2
08/28/2012 INTEFSW 00012990 061050 13245001
01 FC:2501 870.00 CR

OPAP IAP30 OCT 12 2012 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit :	2172
Serial No.	: 13/245,001	Examiner :	John M. Heffington
Filed	: September 26, 2011	Confirmation No.:	4575
		Notice of Allowance Date:	October 10, 2012

Title : PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed October 10, 2012, enclosed is a completed issue fee transmittal form PTOL-85b.

The issue fee in the amount of $15 is being paid concurrently herewith. In addition, please apply any other necessary charges or credits to Deposit Account 06-1050, referencing the above attorney docket number.

Respectfully submitted,

Date: October 12, 2012

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

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UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/245,001	09/26/2011	David Strober	30160-0002002

CONFIRMATION NO. 4575

26211
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

PUBLICATION NOTICE

Title:PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

Publication No.US-2012-0272148-A1
Publication Date:10/25/2012

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

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Application	Document	Mailroom Date	Attorney Docket No.
13245001	NTC.PUB	10/25/2012	30160-0002002

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Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

PRINTER RUSH

(PTO ASSISTANCE)

Application:	13245001	**Examiner:**	Heffington	**GAU:**	2172
From:	Daxa Patel	**Location:**	IDC	**Creation Date:**	10/15/2012

Tracking #: Week Date: 10/08/2012

DOC CODE	DOC DATE	MISCELLANEOUS
[X] 1449	06/26/2012	[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[ ] 312		
[ ] SPEC		

[RUSH] Message:

Please initial/line through citations on 1449, 06/26/2012, please see U.S. Patent Nos. start with "2011/0296465".

Thank you
DP

[XRUSH] Response:

The forms 1449 dated 9/26/2011, 12/13/2011 and 2/22/2012 have been notated and signed.

JMH

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.
NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: Oct 11

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002001	Application No. 13/157,821
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date June 10, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2002/0075332 A1	06/2002	Geilfuss et al.			
	2	2002/0120666 A1	08/2002	Landsman et al.			
	3	2002/0129102 A1	09/2002	Landsman et al.			
	4	2002/0133518 A1	09/2002	Landsman et al.			
	5	2002/0198778 a1	12/2002	Landsman et al.			
	6	2003/0004804 a1	01/2003	Landsman et al.			
	7	2003/0005000 a1	01/2003	Landsman et al.			
	8	2003/0018885 a1	01/2003	Landsman et al			
	9	2003/0023488 a1	01/2003	Landsman et al			
	10	2003/0028565 a1	02/2003	Landsman et al			
	11	2003/0193520	10/2003	Oetzel, Kenneth G.			
	12	2004/0088728 a1	05/2004	Shimizu, Seiya			
	13	2005/0144305	06/2005	Fegan et al.			
	14	2006/0098624 a1	05/2006	Morgan et al.			
	15	2006/0101098 a1	05/2006	Morgan et al.			
	16	2007/0094408 a1	04/2007	Gundla et al.			
	17	2008/0008439 a1	01/2008	Liu et al.			
	18	2008/0028037 a1	01/2008	Moyer et al.			
	19	7,330,875 b1	02/2008	Parasnis et al.			
	20	2008/0126943 a1	05/2008	Parasnis et al.			
	21	7,424,718 b2	09/2008	Dutton, Faron			
	22	2008/0267369 a1	10/2008	Parlamas et al.			

Examiner Signature	Date Considered
/John Heffington/	6/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002001	Application No. 13/157,821
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Applicant David Strober	
	Filing Date June 10, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	23	2008/0270881 a1	10/2008	Meyer et al.			
	24	7,440,972 b2	10/2008	Oetzel, Kenneth G.			
	25	7,769827 b2	08/2010	Girouard et al.			
	26	2010/0265939 a1	10/2010	Parlamas et al.			
	27	2010/0281042 a1	11/2010	Windes et al.			
	28	2011/0060998 a1	03/2011	Schwartz et al.			
	29	2011/0090898	04/2011	Patel et al.			
	30	2011/0107227 a1	05/2011	Rempell et al.			
	31	2011/0138354 a1	06/2011	Hertenstein et al.			
	32	2011/0214148 a1	09/2011	Gossweiler et al.			
	33	2011/0231265 a1	09/2011	Brown et al.			
	34	2011/0231566 a1	09/2011	Gelter et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	35							
	36							
	37							
	38							
	39							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	40	Ask Search Internet Search, session identifier random, printed on 11/19/11.
	41	Webopedia computer dictionary, session cookie, printed on 11/19/11.

Examiner Signature /John Heffington/	Date Considered 6/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002001	Application No. 13/157,821
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Applicant David Strober	
	Filing Date June 10, 2011	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	42	Webopedia computer dictionary, web identifier, printed on 11/19/11.
	43	Webopedia computer dictionary, user session, printed on 11/19/11.
	44	www.vbulletin.com, Best way to generate Random, Unique ID's, printed on 11/19/11.
	45	www.vbulletin.com, Best way to generate Random, Unique ID's, Internet Archive Wayback Machine, January 16, 2009.
	46	Official communication from the USPTO in Serial No. 13/245,001, dated December 8, 2011.
	47	U.S. Application No. 13/245,001, filed on September 26, 2011.

Examiner Signature	Date Considered
/John Heffington/	6/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	7058356	06/06/2006	Slotznick			
	2	7835505	11/16/2010	Toyama et al.			
	3	7849485	12/07/2010	Paik et al.			
	4	2006/0083194	04/20/2006	Dhrimaj et al.			
	5	2006/0203758	09/14/2006	King Tee et al.			
	6	2007/0202923	08/30/2007	Jung et al.			
	7	2008/0155600	06/26/2008	Klappert et al.			
	8	2009/0228919	09/10/2009	Zott et al.			
	9	2010/0137028	06/03/2010	Farris et al.			
	10	2010/0205628	08/12/2010	Davis et al.			
	11	2011/0030020	02/03/2011	Halttunen			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12	CN101534449	09/16/2009	China				
	13	CN101577650	11/11/2009	China				
	14	CN101778198	07/14/2010	China				
	15	CN101815073	08/25/2010	China				
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	Hachman, M., "Snapstick's Media Streaming App/Box: Hands On," www.pcmag.com/article2/0,2817,2375455,00.asp, 2 pages, (January 8, 2011).
	18	Dolcourt, J., CES: Snapstick takes on Apple TV, Google TV," http://news.cnet.com/8301-17938_105-20025100-1.html, 3 pages, (December 9, 2010).
	19	Shaivitz, M., "The Web to Your TV, With a Flick of a Wrist? Slapstick Says Yes," http://techcocktail.com/the-web-to-our-tv-with-a-flick-of-a-wrist-slapstick-says-yes-2010-12, 2 pages, (December 10, 2010).
	20	Snapstick – Home, "Snapstick," http://www.snapstick.com/, 2 pages, printed on 3/2/2011.

Examiner Signature	/John Heffington/	Date Considered	6/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Applicant David Strober	
	Filing Date September 26, 2011	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	21	Paul, I., Hands On: YouTube Leanback, PCWORLD, http://www.pcworld.com/article/200769/hands_on_youtube_leanback.html, 3 pages, (July 9, 2010).
	22	Using AirPlay, Article HT4437, http://support.apple.com/kb/HT4437, 3 pages, (April 18, 2011).
	23	Cheng, J., "Stream AirPlay video to regular TV? Apple might make it happen," http://arstechnica.com/apple/news/2011/03/stream-airplay-video-to-a-regular-tv-apple-migh..., 1 page, printed on 6/7/2011.
	24	"Using the Play To feature to stream media," http://windows.microsoft.com/en-US/windows7/using-the-play-to-feature-to-stream-media, 3 pages, printed on 6/7/2011.
	25	"YouTube – Leanback," http://www.youtube.com/t/leanback, 1 page, printed on 6/7/2011.
	26	"Yahoo!7 TV Guide for iPhone, iPod touch and iPad on the iTunes App Store," http://itunes.apple.com/au/app/yahoo-7-tv-guide/id42471992?mt=8, 2 pages, printed on 6/7/2011.
	27	Hu, C., et al., "Mobile Media Content Sharing in UPnP-Based Home Network Environment," Journal of Information Science and Engineering 24, 1753-1769. (2008).
	28	Fallahkhair, S., et al., "Dual Device User interface Design for Ubiquitous Language Learning: Mobile Phone and Interactive Television (iTV)," Proceedings of the 2005 IEEE Int'l Workshop on Wireless an Mobile Technologies in Education, 8 pages, 2005.

Examiner Signature /John Heffington/	Date Considered 6/26/2012
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.H./

UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Address : COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/245,001	26 September, 2011	STROBER, DAVID	30160-0002002

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

EXAMINER	
JOHN HEFFINGTON	
ART UNIT	PAPER
2172	20121207

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

As requested in the Printer Rush dated 15 October 2012, the forms 1449 dated 26 September 2011, 13 December 2011 and 2 February 2012 have been notated and signed.

JMH

PTO-90C (Rev.04-03)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 30160-0002002	Application No. 13/245,001
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David Strober	
		Filing Date September 26, 2011	Group Art Unit 2172

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	2011/0296465	Dec 1, 2011	Krishnan et al.			
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	12							
	13							
	14							
	15							
	16							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	17	
	18	
	19	
	20	

Examiner Signature	Date Considered
/John Heffington/	6/26/2012

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.H./

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/245,001	01/15/2013	8356251	30160-0002002	4575

26211 7590 12/22/2012

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 4 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

David Strober, Rye, NY;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

To: PATDOCTC@fr.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 26211

Dec 28, 2012 05:25:38 AM

Dear PAIR Customer:

FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 26211 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:
The list of documents shown below is provided as a courtesy and is not part of the official file wrapper. The content of the images shown in PAIR is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
13245001	ISSUE.NTF	12/22/2012	30160-0002002

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: David Strober	Art Unit	: 2172
Patent No.	: 8,356,251	Examiner	: John M. Heffington
Issue Date	: January 15, 2013	Conf. No.	: 4575
Serial No.	: 13/245,001		
Filed	: September 26, 2011		

Title : PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

Attn.: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF REQUEST FOR CERTIFICATE OF CORRECTION

Applicant hereby requests that a certificate of correction be issued for the above patent in accordance with the attached request.

All errors sought to be corrected were made in printing by the Patent and Trademark Office, and no fee is believed to be due.

Please apply any other necessary charges or credits to Deposit Account 06- 1050, referencing the above attorney docket number.

Respectfully submitted,

Date: March 7, 2013

/Samuel Borodach/
Samuel Borodach
Reg. No. 38,388

Customer Number 26211
Fish & Richardson P.C.
Telephone: (212) 765-5070
Facsimile: (877) 769-7945

30751418.doc

Staple Here Only

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. .: 8,356,251

APPLICATION NO .: 13/245,001

DATED .: JANUARY 15, 2013

INVENTOR(S) .: DAVID STROBER

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 11, line 24, Claim 1, change "player players," to - - players, - -;

Col. 12, line 55, Claim 11, change "of" to - - by - -;

Col. 13, line 4, Claim 12, before "library" insert - - a- -;

Col. 13, line 13, Claim 12, after "code" delete "used by the display device".

Col. 13, line 50, Claim 22, change "player," to - - players, - -;

Col. 14, line 5, Claim 22, change "a" to - - the - -;

Col 14, line 14, Claim 22, change "file" to - - file, - -.

MAILING ADDRESS OF SENDER:

Samuel Borodach
Fish & Richardson P.C.
P.O. Box 1022
Minneapolis, Minnesota 55440-1022

Electronic Acknowledgement Receipt

EFS ID:	15147853
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Samuel Borodach/Paula Romeo
Filer Authorized By:	Samuel Borodach
Attorney Docket Number:	30160-0002002
Receipt Date:	07-MAR-2013
Filing Date:	26-SEP-2011
Time Stamp:	16:40:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	301600002002certificateofcorrection.pdf	638577 395b13dbe7f9b98191962ea697c7ed57f1e904cb	no	2

Warnings:	
Information:	

Total Files Size (in bytes):	638577

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 8,356,251 B2
APPLICATION NO. : 13/245001
DATED : January 15, 2013
INVENTOR(S) : David Strober

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 11, line 24, Claim 1, change "player players," to -- players, --;

Col. 12, line 55, Claim 11, change "of" to -- by --;

Col. 13, line 4, Claim 12, before "library" insert -- a --;

Col. 13, line 13, Claim 12, after "code" delete "used by the display device";

Col. 13, line 50, Claim 22, change "player," to -- players, --;

Col. 14, line 5, Claim 22, change "a" to -- the --;

Col. 14, line 14, Claim 22, change "file" to -- file, --.

Signed and Sealed this
Ninth Day of April, 2013

Teresa Stanek Rea
Acting Director of the United States Patent and Trademark Office

PTO/SB/80 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☑ Practitioners associated with the Customer Number: 149550

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☑ The address associated with Customer Number: 149550

OR

☐ Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone		Email	

Assignee Name and Address:

Touchstream Technologies, Inc.
79 Madison Avenue
New York, NY 10016

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	7-7-2017
Name	Herb Mitschele	Telephone	310-383-3383
Title	CEO, Touchstream Technologies, Inc.		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/96 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: TOUCHSTREAM TECHNOLOGIES, INC.

Application No./Patent No.: 8,356,251 Filed/Issue Date: 01-15-2013

Titled: PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE

TOUCHSTREAM TECHNOLOGIES, INC. , a CORPORATION

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.

states that it is:

1. [X] the assignee of the entire right, title, and interest in;

2. [ ] an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is _____ %); or

3. [ ] the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 027688, Frame 0957, or for which a copy therefore is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet(s).

[X] As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

_____ 7/20/17

Signature Date

Herb Mitschele CEO

Printed or Typed Name Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Acknowledgement Receipt

EFS ID:	29854527
Application Number:	13245001
International Application Number:	
Confirmation Number:	4575
Title of Invention:	PLAY CONTROL OF CONTENT ON A DISPLAY DEVICE
First Named Inventor/Applicant Name:	David Strober
Customer Number:	26211
Filer:	Keith Joshua Bae/Traci Burke
Filer Authorized By:	Keith Joshua Bae
Attorney Docket Number:	30160-0002002
Receipt Date:	21-JUL-2017
Filing Date:	26-SEP-2011
Time Stamp:	13:28:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	TSTH_277745_Executed_Pre_AIA_POA.pdf	122307 48d55d5d57720c440c3aa0e8a36a2c02ced04d74	no	1

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	TSTH_277745_Executed_Statement_373b.pdf	100675 c89947a01c82cf2e0be8b8c9cc90eeb90698c887	no	1
Warnings:					
Information:					
			Total Files Size (in bytes):	222982	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/245,001	09/26/2011	David Strober	

CONFIRMATION NO. 4575

POA ACCEPTANCE LETTER

149550
SHOOK, HARDY & BACON LLP
(Touchstream Technologies, Inc.)
2555 GRAND BLVD
KANSAS CITY, MO 64108-2613

OC000000093031518

Date Mailed: 07/26/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/21/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/nrhayden/

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/245,001	09/26/2011	David Strober	30160-0002002

CONFIRMATION NO. 4575

POWER OF ATTORNEY NOTICE

26211
FISH & RICHARDSON P.C. (NY)
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

OC000000093031516

Date Mailed: 07/26/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/21/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/nrhayden/

To: IPDOCKET@SHB.COM,IPRCDKT@SHB.COM,tquick@shb.com
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 149550

Jul 26, 2017 03:44:27 AM

Dear PAIR Customer:

SHOOK, HARDY & BACON LLP
(Touchstream Technologies, Inc.)
2555 GRAND BLVD
KANSAS CITY, MO 64108-2613
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 149550 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
13245001	N570	07/26/2017	
	N570	07/26/2017	

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of New York on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
1:17-CV-06247	8/17/2017	Southern District of New York

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Vizbee, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
2	8,782,528	7/15/2014	Touchstream Technologies, Inc.
3	8,904,289	12/2/2014	Touchstream Technologies, Inc.
4			
5			

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of New York on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
1:17-CV-06247	8/17/2017	Southern District of New York

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Vizbee, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
2	8,782,528	7/15/2014	Touchstream Technologies, Inc.
3	8,904,289	12/2/2014	Touchstream Technologies, Inc.
4			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
S/Ruby J. Krajick	s/K.Mango	1/27/2020

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

TOUCHSTREAM TECHNOLOGIES, INC. Plaintiff, -against- VIZBEE, INC. Defendant.	:	Case No. 1:17-cv-6247-PGG-KNF

STIPULATION OF DISMISSAL WITH PREJUDICE

Pursuant to Fed. R. Civ. P. 41(a)(1)(A), Plaintiff Touchstream Technologies, Inc. and Defendant Vizbee, Inc. hereby stipulate that all claims and counterclaims asserted by the Parties against one another in this Action shall be, and hereby, are dismissed WITH PREJUDICE, with each Party to bear its own costs, expenses, and attorneys' fees.

Dated: January 24, 2020

/s/

Paul B. Keller
Michael Samalin
Michelle Wang
James Reed
Norton Rose Fulbright US LLP
1301 Avenue of the Americas
New York, New York 10019-6022
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Fax: (212) 318-3400
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Counsel for Plaintiff Touchstream Technologies, Inc.

Respectfully submitted,

/s/

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Counsel for Defendant Vizbee, Inc.

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 **Director of the U.S. Patent and Trademark Office** **P.O. Box 1450** **Alexandria, VA 22313-1450**	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court for the Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:21-cv-569	June 4, 2021	for the Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Google LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
2	8,782,528	1/15/2014	Touchstream Technologies, Inc.
3	8,904,289	12/2/2014	Touchstream Technologies, Inc.
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DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
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DECISION/JUDGEMENT

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AO 120 (Rev. 08/10)

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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:21-cv-569	June 4, 2021	for the Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Google LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
2	8,782,528	1/15/2014	Touchstream Technologies, Inc.
3	8,904,289	12/2/2014	Touchstream Technologies, Inc.
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The United States Patent and Trademark Office
PATENT TRIAL AND APPEAL BOARD

A petition has been filed in Patent Number 8,356,251, Application Number 13/245,001 on April 8, 2022.

The Case Number is IPR2022-00795.

To view the documents filed in this petition, go to https://ptab.uspto.gov.

Use the Search PTAB tab and enter the Patent Number or the Trial or Case Number and select the Search button.

Questions regarding this notice should be directed to the Patent Trial and Appeal Board at 571-272-7822.

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Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court FOR THE EASTERN DISTRICT OF TEXAS on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
23-cv-00059	2/16/2023	FOR THE EASTERN DISTRICT OF TEXAS

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Charter Communications, Inc.; Charter Communications Operating, LLC; Spectrum Management Holding Company, LLC; Time Warner Cable Enterprises, LLC; AND Spectrum Gulf Coast, LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DECISION/JUDGEMENT

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Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court FOR THE EASTERN DISTRICT OF TEXAS on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
23-cv-00062	2/17/2023	FOR THE EASTERN DISTRICT OF TEXAS

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Comcast Cable Communications, LLC, d/b/a Xfinity; Comcast Corp.; Comcast Cable Communications Management, LLC; AND Comcast of Houston, LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

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TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court FOR THE EASTERN DISTRICT OF TEXAS on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
23-cv-00060	2/17/2023	FOR THE EASTERN DISTRICT OF TEXAS

PLAINTIFF	DEFENDANT
Touchstream Technologies, Inc.	Altice USA, Inc.; Cequel Communications, LLC; CSC Holdings, LLC; and Friendship Cable of Texas, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,356,251	1/15/2013	Touchstream Technologies, Inc.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DECISION/JUDGEMENT

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Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Marshall Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
2:22-cv-367	3/13/2023	Eastern District of Texas, Marshall Division

PLAINTIFF	DEFENDANT
Seungman Kim	Samsung Electronics Co., Ltd., Samsung Electronics America, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 11,553,072	1/10/2023	Seungman Kim
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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Continued from page 1:

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
6. 10,419,805	11/14/2017	Multimedia Technologies Pte. Ltd.
7. 9,215,393	12/15/2015	Multimedia Technologies Pte. Ltd.
8. 9,426,527	08/23/2016	Multimedia Technologies Pte. Ltd.
9. 9,077,928	7/7/2015	Multimedia Technologies Pte. Ltd.
10. 9,185,325	11/10/2015	Multimedia Technologies Pte. Ltd.

AO 120 (Rev. 08/10)

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Mail Stop 8 **Director of the U.S. Patent and Trademark Office** **P.O. Box 1450** **Alexandria, VA 22313-1450**	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas - Marshall Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
2:23-cv-124	3/24/2023	Eastern District of Texas - Marshall Division

PLAINTIFF	DEFENDANT
Multimedia Technologies Pte. Ltd.	Vizio Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	9,055,255	6/9/2015	Multimedia Technologies Pte. Ltd.
2	9,232,168	1/5/2016	Multimedia Technologies Pte. Ltd.
3	9,247,174	1/26/2016	Multimedia Technologies Pte. Ltd.
4	9,510,040	11/29/2016	Multimedia Technologies Pte. Ltd.
5	9,578,384	2/21/2017	Multimedia Technologies Pte. Ltd.

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DECISION/JUDGEMENT

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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:23-cv-249	4/5/2023	Western District of Texas

PLAINTIFF	DEFENDANT
Ozmo Licensing LLC	TCL Electronics Holdings Ltd. and TCL Industries Holdings Co., Ltd.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	9,264,991	2/16/2016	Ozmo Licensing LLC
2	10,873,906	12/22/2020	Ozmo Licensing LLC
3	8,599,814	12/3/2013	Ozmo Licensing LLC
4	11,012,934	5/18/2021	Ozmo Licensing LLC
5	11,122,504	9/14/2021	Ozmo Licensing LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:23-cv-249	4/5/2023	Western District of Texas

PLAINTIFF	DEFENDANT
Ozmo Licensing LLC	TCL Electronics Holdings Ltd. and TCL Industries Holdings Co., Ltd.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	9,264,991	2/16/2016	Ozmo Licensing LLC
2	10,873,906	12/22/2020	Ozmo Licensing LLC
3	8,599,814	12/3/2013	Ozmo Licensing LLC
4	11,012,934	5/18/2021	Ozmo Licensing LLC
5	11,122,504	9/14/2021	Ozmo Licensing LLC

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☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
5:23-cv-387	3/29/2023	for the Western District of Texas

PLAINTIFF	DEFENDANT
RFC Lenders of Texas, LLC	Global-View.net

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,430,471	9/30/2008	RFC Lenders of Texas, LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court FOR THE DISTRICT OF DELAWARE on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
TBD	4/3/2023	FOR THE DISTRICT OF DELAWARE

PLAINTIFF	DEFENDANT
INGENUS PHARMACEUTICALS, LLC, and LEIUTIS PHARMACEUTICALS LLP	ACCORD HEALTHCARE, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	10,993,952	5/4/2021	Leiutis Pharmaceuticals Pvt. Ltd.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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