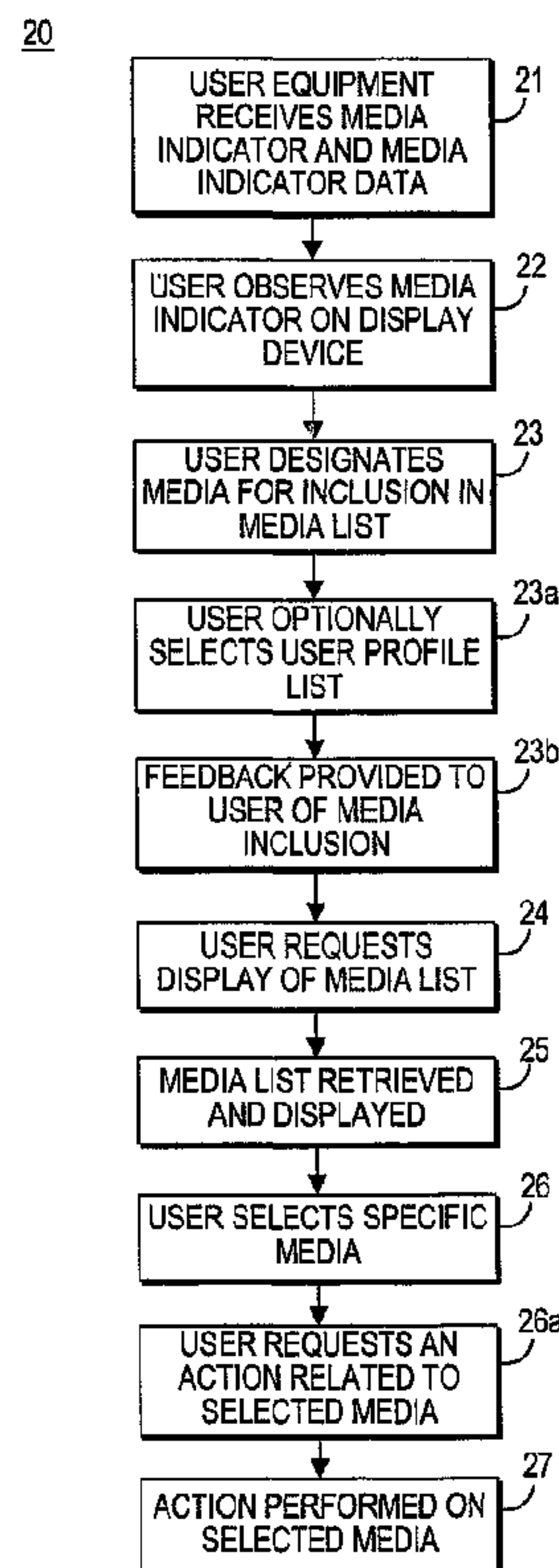




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(54) Title: SYSTEMS AND METHODS FOR BUILDING USER MEDIA LISTS



(57) **Abrégé/Abstract:**

Systems and methods for building media lists are provided in which media may be tagged, listed and subsequently accessed. Media indicators such as advertisements promotions, programming embedded merchandise, and other suitable indicators may be displayed to promote various media such as television programming, pay-per-view programming, video-on-demand programming, Web sites, and any other suitable programming. Users may tag the media associated with media indicators for inclusion in a media list. This media list may be presented to the user so that user can select and view media associated with a media indicator previously stored in the list. This may provide users with ability to store a list of opportunities of interest, and to view the information related to the opportunities at a later time.

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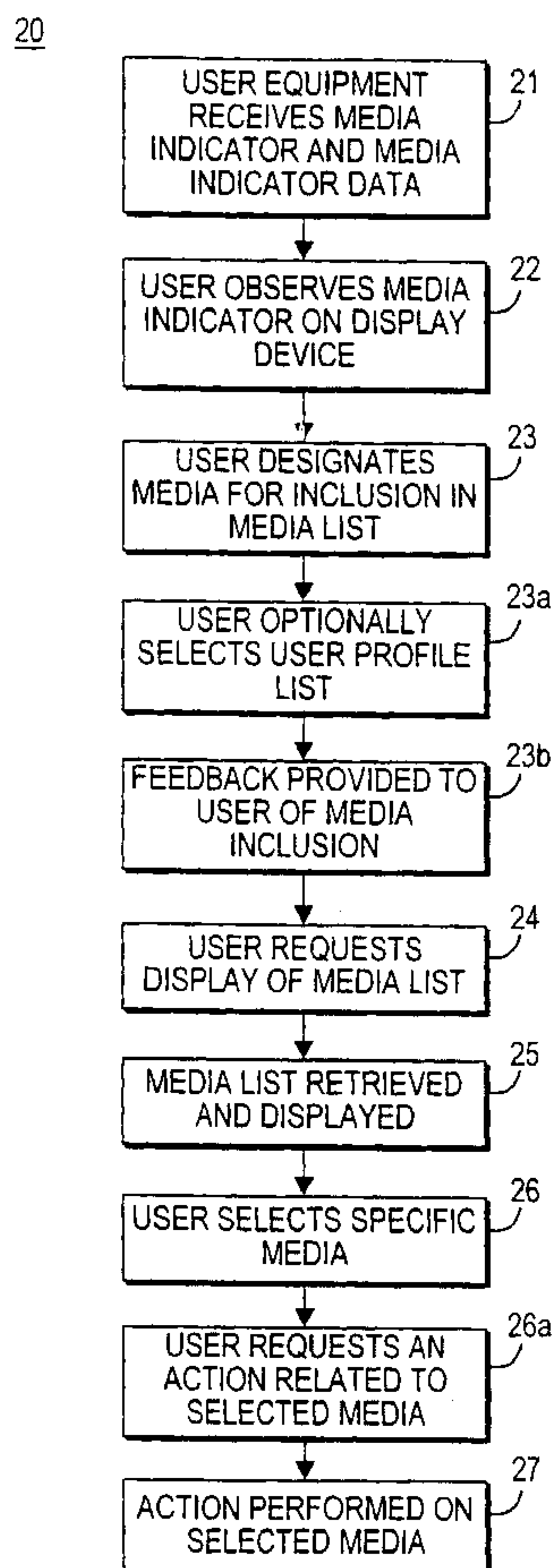
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(54) Title: **SYSTEMS AND METHODS FOR BUILDING USER MEDIA LISTS**



(57) Abstract: Systems and methods for building media lists are provided in which media may be tagged, listed and subsequently accessed. Media indicators such as advertisements, promotions, programming embedded merchandise, and other suitable indicators may be displayed to promote various media such as television programming, pay-per-view programming, video-on-demand programming, Web sites, and any other suitable programming. Users may tag the media associated with media indicators for inclusion in a media list. This media list may be presented to the user so that user can select and view media associated with a media indicator previously stored in the list. This may provide users with ability to store a list of opportunities of interest, and to view the information related to the opportunities at a later time.



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SYSTEMS AND METHODS FOR
BUILDING USER MEDIA LISTS

Background of the Invention

This invention relates to systems and methods for allowing users of media to build lists of desired media.

5 Users of television programming, video-on-demand programming, pay-per-view programming, Internet web sites and other systems are exposed to a wide variety of promotions, advertisements (including banner type advertisements), trailers, products, or other on-screen content or on-screen features for promoting,
10 marketing, or describing programming, Internet Web sites, channels, or otherwise indicating media for user access. While watching television, users may, for example, see commercials or other promotions for media on a regular television channel, on a passive guide
15 television channel, on a barker channel, on an interactive program guide display (or other interactive television application display), on an Internet Web

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site, or on other types of visual display. Typically, while surfing Internet Web sites, users may see advertisements for other Web sites and other Web content. Additionally, users may obtain information
5 about products that may be shown as part of the normal course of action in movies, television shows or programming.

In known conventional systems, it is difficult for users to later find and access such
10 promotional materials subsequent to the original presentation of the promotional material. For example, a user who is in the midst of searching for a particular channel may notice an advertisement for a movie that the user may wish to purchase on a pay-per-
15 view channel at a future time. To access information on the pay-per-view movie, the user may need to abandon the current search for the channel which may cause the user to lose track of the progress in the search. Thus, branching to different advertisements or
20 promotions in such known systems may typically result in a number of different branches being pursued that are never successfully completed.

Moreover, known conventional systems have been deficient in providing users with a system for
25 building a media list in which users are provided with a method to store a list of opportunities of interest, and to view the information related to the opportunities at a later time.

Summary of the Invention

30 In accordance with the principles of the present invention, media list building systems and methods may be provided in which media may be tagged, listed, and subsequently accessed.

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These systems and methods may provide media list building capabilities. Media indicators may be presented to users to promote particular media to users. Media indicators may be advertisements
5 (including metatag-linked type advertisements), promotions, commercials, programming embedded merchandise, trailers, on-screen features of applications, etc. Media indicators may promote a variety of media including television programming,
10 video-on-demand programming, pay-per-view programming, Web sites, and other types of media. Users may tag the media associated with media indicators for inclusion in a media list.

Tagging may be accomplished by a user input
15 device such as a remote control. Association of the media with the media indicator may be based on data in the vertical blanking interval, in the in-band data stream, by indicators within Web applications, or by other methods. For instance, the association may also
20 be based on schedule information provided from an electronic program guide. In this instance, when a user tags a media indicator, the program guide may determine the specific media association based on, for example, the current time and current channel.
25 Additionally, metatag linking may be used for media indicator association.

Tagging of media may occur without interruption of current display activity. There may be an indication that the media has been tagged.

30 A user may later access a list of tagged media and subsequently make selections from the list for viewing. Targeted advertisements promoting media in the same category as media on the list or in a related category may be provided. In one embodiment, a

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preview or trailer that is associated with the media may be stored and optionally accessed at a later time. In another embodiment, the system may support lists for multiple users.

In yet another embodiment, when the user selects a media listing, the system may determine the availability of the media. If the media is unavailable, the system may provide a user with an indication of the unavailability of the media and provide the user with an opportunity to keep that media on the list. When the media later becomes available, the user may be notified of the availability for subsequent access. If available, the user may be provided with an opportunity to watch, record, set a reminder, or take other action related to the media.

According to one aspect of the present invention, there is provided a method of building and using media lists comprising: displaying broadcast media on a display device; displaying an advertisement media indicator on the display device; upon display of advertisement media indicator, providing a user with an opportunity to designate the addition of advertisement media indicator data associated with the displayed advertisement media indicator to a media list without interrupting current display activity; storing the advertisement media indicator data in the user built media list using media list building applications instructions; at a later time upon user invocation presenting the user built media list to the user on the display device for selection; determining, upon user selection of advertisement media indicator data from the media list, media associated with the user selected advertisement media indicator data based on schedule information of the broadcast media; and retrieving the media.

According to another aspect of the present invention, there is provided an apparatus comprising user equipment that is configured to: display one of a number of videos on a display device wherein at least one of the videos includes a scene in which a product is shown that is associated with a particular user-accessible media for that product; upon display of the videos provide a user with an opportunity to designate the addition of associated media indicator data to a user built media list; store media indicator data associated with the video; at a later time upon user invocation present the user built media list to the user on the display device for selection; determine, upon user selection of media indicator data from the media list,

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user accessible media corresponding to the user selected media indicator data based on schedule information of the video; and retrieve the user accessible media.

According to still another aspect of the present invention, there is provided computer readable storage media having instructions stored thereon for execution by a computer, the instructions comprising: instructions for displaying broadcast media on a display device; instructions for displaying an advertisement media indicator on the display device; instructions for providing a user with an opportunity to designate the addition of advertisement media indicator data associated with the displayed advertisement media indicator to a user built media list without interrupting current display activity; instructions from the media list building applications instructions for storing the media indicator data in the user built media list; instructions for presenting at a later time the user built media list to the user on the display device for selection; instructions for determining, upon user selection of advertisement media indicator data from the media list, media associated with the user selected advertisement media indicator data based on schedule information of the broadcast media; and instructions for retrieving the media.

According to yet another aspect of the present invention, there is provided an apparatus comprising user equipment the apparatus comprising: means to display one of a number of videos on a display device wherein at least one of the videos includes a scene in which a product is shown that is associated with a particular user-accessible media for that product; means to provide a user upon display of the videos with an opportunity to designate the addition of associated media indicator data to a user built media list; means to store media indicator data associated with the videos; means to present the user built media list to the user on the display device for selection at a later time upon user invocation; means to determine, upon user selection of media indicator data from the media list, user accessible media corresponding to the user selected media indicator data based on schedule information of the video; and means to retrieve the user accessible media.

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According to another aspect of the present invention, there is provided a method of building and using media lists, comprising: displaying a first user-accessible broadcast media; receiving an advertisement, associated with the first broadcast media, for a second user-accessible media other than the first broadcast media; automatically displaying the advertisement superimposed on a display for the first broadcast media; providing the user with an opportunity to designate the addition of the second media to a user built media list for later viewing when the advertisement is displayed; and adding the second media to the user built media list in response to the user designation, without interrupting display of the first broadcast media.

According to still another aspect of the present invention, there is provided a system of building and using media lists, comprising: means for displaying a first user-accessible broadcast media; means for receiving an advertisement, associated with the first broadcast media, for a second user-accessible media other than the first broadcast media; means for automatically displaying the advertisement superimposed on a display for the first broadcast media; means for providing the user with an opportunity to designate the addition of the second media to a user built media list for later viewing when the advertisement is displayed; and means for adding the second media to the user built media list in response to the user designation, without interrupting play of the first broadcast media.

According to yet another aspect of the present invention, there is provided non-transitory computer readable storage media comprising machine readable instructions operative to: display a first user-accessible broadcast media; receive an advertisement, associated with the first broadcast media, for a second user-accessible media other than the first broadcast media; automatically display the advertisement superimposed on a display for the first broadcast media; provide the user with an opportunity to designate the addition of the second media to a user built media list when the advertisement is displayed; and add the second media to the

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user built media list in response to the user designation, without interrupting display of the first broadcast media.

According to a further aspect of the present invention, there is provided a method of building and using media lists with user equipment having a processing means, an input means and a display means, the method comprising the processing means of the user equipment: displaying an advertisement on the display means; associating the advertisement with a location of a related media from which the related media can be retrieved; providing a user with an opportunity to select the advertisement in order to designate the addition of the media associated with the advertisement at the location to a media list using the input means; presenting, on the display means, the media list to the user for selection using the input means; receiving a user selection of the related media from the media list; indicating a current availability for retrieval of the user selected media from the location on the display means; and retrieving the user selected media from the location for being displayed on the display means if the user selected media is currently available for retrieval from the location.

According to yet a further aspect of the present invention, there is provided an apparatus comprising user equipment for building and using media lists of user-accessible media, the apparatus comprising: means for displaying one of a number of videos wherein at least one of the videos displays a product that is associated with a content of a user-accessible media and that can be purchased by the user; means for adding a listing for the user-accessible media that is associated with the displayed product to a media list when the video is displayed to the user; and means for receiving a user selection of media from the media list; and means for indicating a current availability for retrieval of the user selected media.

Brief Description of the Drawings

The principles and advantages of the invention will become apparent upon reading the following detailed description and upon reference to the drawings in which:

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FIG. 1 is a block diagram illustrating an embodiment of a user media list building system in accordance with the present invention;

FIG. 2 is an illustrative flow chart for an embodiment of the user media list building system in accordance with the present invention;

5 FIG. 3a is a representation of a display illustration of a typical Web page advertisement superimposed on a Web page that may be provided to users in accordance with the present invention;

FIG. 3b is a representation of a display illustration of a typical pay per view related region superimposed over a cable television signal that may be

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provided to users in accordance with the present invention;

FIG. 3c is a representation of a display illustration of a promotional video clip that may be
5 provided to users in accordance with the present invention;

FIG. 3d is a representation of a display illustration of a guidance application menu that may be provided to users in accordance with the present
10 invention;

FIG. 4 is a representation of a display illustration of a display involved in requesting the addition of media to a media list in accordance with the present invention;

15 FIG. 5 is a representation of a display illustration of a setup choice menu that may be provided to users in accordance with the present invention;

FIG. 6 is a representation of a display
20 illustration of a user profile choice menu that may be provided to users in accordance with the present invention;

FIG. 7 is a representation of a display illustration of a user choice selection menu that may
25 be provided to users in accordance with the present invention;

FIG. 8 is a representation of a display illustration for requesting media addition for a selected user in accordance with the present invention;

30 FIG. 9 is a representation of a display illustration of a media list user choice menu that may be provided to users in accordance with the present invention;

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FIG. 10 is a representation of a display illustration of a media list with preview option that may be provided to users in accordance with the present invention;

5 FIG. 11 is a representation of a display illustration of a pay-per-view choice menu that may be provided to users in accordance with the present invention;

10 FIG. 12 is a representation of a display illustration of a notification of media unavailability that may be provided to users in accordance with the present invention;

15 FIG. 13 is a representation of a display illustration of a notice of media availability that may be provided to users in accordance with the present invention;

20 FIG. 14 is a representation of a display illustration of a television screen with embedded product information that may be provided to users in accordance with the present invention; and

FIG. 15 is a representation of a display illustration of a display screen that may be provided in accordance with the present invention.

25 While the invention will be described in connection with a preferred embodiment, it will be understood that it is not intended to limit the invention to that embodiment. On the contrary, it is intended to cover all alternatives, modifications and equivalents as may be included within the spirit and
30 scope of the invention as defined by the appended claims.

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Detailed Description

A system such as illustrative system 10 of FIG. 1 may be provided for building, presenting, and accessing media lists. With reference now to FIG. 1, system 10 may include a media distribution facility 11 that provides media indicators, which can include program listings, promotions, advertisements (including banner type), trailers, and other marketing materials from media indicator source 12. The media distribution facility 11 may also provide media indicator data. There may be multiple media distribution facilities 11 and multiple media indicator sources 12, but only a single one of each is shown to avoid over-complicating the drawings.

Communications link 13 may be provided between media distribution facility 11 and user equipment 14. Communications link 13 may, for example, be a satellite link, a telephone network link, a cable or fiber optic link, a microwave link, a radio frequency link, an Internet link, a data-over-cable service interface specification link, a combination of such links, or any other suitable communications link. Communications link 13 may carry digital communications, analog communications, or combinations thereof. Video and data signals may be transmitted over link 13. Media distribution facility 11 or media indicator source 12 may include, for example, suitable transmission equipment for distributing media indicator data that identifies the media associated with a media indicator. In one approach, media indicators and/or media indicator data may be distributed in the vertical blinking interval of television signals. In another approach, media indicators and/or media indicator data

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may be provided in an in-band data stream associated with a digital channel.

In still another suitable approach, the indicators and/or indicator data may be determined
5 based on a programming schedule. Schedule information may be provided from an electronic program guide. When a user tags a media indicator, the media associated with the tagged media indicator may be determined based on schedule information (e.g., the time and the channel
10 to which the user is tuned). For media indicators and data within software applications, such as the Internet applications, the application may associate screen elements with media using, for example, media identifiers.

15 Media indicator data from the media distribution facility 11 may be received by control circuitry equipment 15 of user equipment 14. The functions of control circuitry equipment 15 may be provided by a set-top box, a personal computer, or
20 other equipment. If desired, a combination of such equipment may be used.

User equipment 14 may include communications device 16 for supporting communications between media distribution facility 11, media indicator source 12,
25 and user equipment 14. Communications device 16 may be a modem (e.g., any suitable analog or digital standard, cellular or cable modem), a network interface card (e.g., an Ethernet Card, token ring card, etc.), or other suitable communications device.

30 The user equipment 14 may also include memory 17. Memory 17 may be any electronic memory or other storage device, such as random access memory (RAM), flash memory, a hard disk drive, or combination of such devices, etc., that is suitable for storing

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media list building application instructions and media list data.

User equipment 14 may include video recorder 9 which may be a video cassette recorder, a digital video recorder, a personal video recorder such as TiVo, or other suitable recorder.

A user interacts with user equipment 14 through input device 18. The input device 18 may be a pointing device, a wireless remote control, a keyboard, a touch-pad, a voice recognition system, or any other suitable user input device. To access the functions of the media list building system, input device 18 may be used to instruct the system to generate media list menus for display on display device 19.

Computer acceptable instructions for providing media list building and generating functionality may be implemented in various ways. Media list building application instructions or updates to those instructions may be transmitted over communications link 13 for storage in memory 17 for use by control circuitry equipment 15. If desired, media list application instructions may be installed in control circuitry equipment 15 at the time of equipment manufacture or upon initial setup. Other ways of loading such instructions may also be used. Such functionality as described herein may be implemented as part of or separate from an interactive television program guide application. Such instructions and/or functionality may be implemented on control circuitry equipment 15, on media distribution facility 11, or implemented using both control circuitry equipment 15 and media distribution facility 11 or equipment in other locations.

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Display device 19 may be operably coupled to control circuitry equipment 15. Display device 19 may be a television set, a monitor, or other display device that is capable of presenting audiovisuals received
5 from control circuitry equipment 15. Media distribution facility 11 may be a television distribution facility (e.g., a headend, a television broadcast station, etc.), a distribution facility for providing Internet content, etc. Media distribution
10 facility 11 may include a server for presenting media and/or media indicators.

FIG. 2 depicts one embodiment of an illustrative process 20 for building and using media lists. FIG. 2 depicts an illustrative flow chart which
15 represents at a functional level a control program executable through hardware and/or software of control circuitry equipment 15 (FIG. 1) (possibly in combination with other circuitry, for example, the media distribution facility 11). The process may
20 include receiving a media indicator (step 21), presenting the media indicator to be observed by a user (step 22), designating media for inclusion in a list (step 23), optionally allowing the user to select a user profile list (step 23a), providing feedback to the
25 user of media inclusion (step 23b), allowing a user to request the display of a media list (step 24), retrieving and displaying the list (step 25), allowing the user to select particular media from the list (step 26), and performing an action related to the media
30 (step 27).

The control program of control circuitry equipment 15 (FIG. 1) may allow a media indicator to be received at step 21, which is presented to a user on a display device 19 (FIG. 1) at step 22. The control

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program then allows the user to designate the media associated with the media indicator for inclusion in a media list at step 23. Designation may be made using a user input device. At step 23a a user may optionally
5 select the media addition to be to a specific profile list of a particular user. If desired, at step 23b, feedback to the user would be provided confirming the addition of the media to the list.

At step 24, the control program may be used
10 by the user to request the display of the media list. The request may be made using a user input device. The control program may then display the media list at step 25 and the user may select media from the list using an input device at step 26. At step 26a, the
15 control program may be used by the user to indicate an action related to the media. The selected action (such as displaying the media), may be performed at step 27.

The media list building system, may, for example, provide an opportunity for users to tag media
20 associated with a variety of media indicators such as promotions, advertisements (including banner type advertisements), and trailers. Promotions for media can include, for example, regular television
25 guide channel listings, barker channels, advertisements displayed in interactive program guides, advertisements displayed in other interactive television applications, listings displayed in program guides, etc. Advertisements for Internet sites, advertisements for
30 products, or advertisements for other media on Internet Web sites are additional examples. Illustrative examples of media indicators are shown in FIGS. 3a-3d.

FIG. 3a illustrates an example of an Internet Web page 30 that includes advertising banner 31 as a

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media indicator that may be "clicked" for access to specific media, e.g., an Internet site. When a user observes this media indicator, a user may designate media associated with media indicator 31, (e.g.,
5 designate an Internet site associated with a banner advertisement for that site), for inclusion in a media list. This selection may be performed for instance by highlighting an item then pressing a key on an input device 18 (FIG. 1). Metatags associated with
10 advertisement may identify the related media, may identify the source or the location of the related media, or may identify characteristics of the media or the advertisements.

FIG. 3b illustrates an example of a
15 television display screen 32 in which region 33 contains a media indicator for programs related to a currently displayed program. Region 33 may be displayed using program listings that are available to an interactive television application. In this
20 illustration, the media indicator presents pay-per-view movies that may be available for purchase. When this media indicator is presented, the user may designate the media for inclusion in a media list, for example, by pressing a key on an input device 18 (FIG. 1).

25 FIG. 3c illustrates, for example, display screen 34 that may include video of a shopping channel, in which media indicators for video clips 35 may be designated to be added to a media list. In this example, a designation may be made even though there is
30 no on-screen indication to the user that the media may be tagged. When a user observes video clips 35, the user may designate the video clips for inclusion in a media list, for example, by pressing a key on an input device 18 (FIG. 1).

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Other types of media indicators may be provided in interactive applications such as in program guides. As depicted in FIG. 3d, a program guide menu display screen 36 may contain general media listings as well as offerings for purchase such as boxing match listing 37, which is designated as "PPV" (pay-per-view), and an interactive advertisement 38. When a user observes these media indicators (the program listings or advertisement), the user may designate the media associated with listing 37 or media associated with advertisement 38 for inclusion in a media list. Designation may be made, for example, by pressing a key on an input device 18 (FIG. 1).

FIG. 4 illustrates choice menu 40 that is displayed in response to a user input (e.g., a key entry on using user input device 18 of FIG. 1) requesting the addition of media to a media list. Media choice menu 40 may include an icon or textual information or combination of an icon and textual information that is superimposed over video 41 of television programming. This feature allows users to keep track of media found desirable while watching television or while interacting with an application without having to stop their current activity. The user may then make a choice using, for example, navigation keys of a remote control to toggle between the "YES" 42 and "NO" 43 options and using an entry function on the remote control to make a selection. When a "YES" selection is made, the media is added to the media list. Sufficient information to allow user equipment to access the media may be stored when that media is added to the media list. The media and the media indicator may not be stored, rather information regarding the content, the source, the address, and

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other information related to the media may be stored. The information may be stored to identify the location of the media at a later time and to provide some content information that may be presented to a user in
5 a media list or in an information display screen. This information may be stored at user equipment memory 17 (FIG. 1) or at a remote location such as the server at the media distribution facility 11 (FIG. 1).

Tagging of media for inclusion in a media
10 list demonstrates a user's interest in specific media. Advertisements may be presented to users based on their media list selections since the tagging of media exhibits user interest in particular categories of media. For instance, if a user designates automobile-
15 related media for inclusion in the media list, automobiles may be added to the categories of interest for that user. Automobile-related advertisements may then be presented to match that user's interest in automobiles.

20 If desired, the media list building system may support lists for multiple users. As shown in FIG. 5, for example, a user may select set-up option 51 from guidance system menu display screen 52 using input device 18 (FIG. 1). Guidance system set-up menu 61 of
25 FIG. 6 may be displayed when a user selects set-up option 51 of FIG. 5. With reference now to FIG. 6, "USER PROFILE" option 62 may be selected to allow designation to be made by different users. Different users may build their own media lists when user profile
30 option 62 is selected. Users may add to their media lists by initially logging in or by using some other user identification technique.

As shown in FIG. 7, access to a specific user list (i.e., access to a user media list, access to add

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an entry to this list) may be requested using list indicator region 71. The list indicator region 71 may be superimposed over region 72 of a video of a baseball game. The user may select a particular user using
5 input device 18 (FIG. 1) (e.g., by using remote control navigation keys to select "JOHN" 73, "MARCIA" 74, or "MIGUEL" 75). Access to user lists may be restricted by the use of passwords or other security measures.

As shown in FIG. 8, when one of the users in
10 region 71 of FIG. 7 is selected, menu region 81 may appear for adding an entry to that user's media list. See also FIG. 4 regarding regions such as region 81.

To view a media list for a particular user, user media indicator lists region 91 of FIG. 9 may be
15 displayed in response to a user selection (e.g., using a user input device) indicating an interest in viewing a media list. In response to a user being selected from the list, a media list such as that shown in FIG. 10 may be displayed.

20 As shown in FIG. 10, media list 101 may include a variety of listings such as listings for pay-per-view channels or programs 102, premium channels or programs 103, broadcast television channels or programs 104, Internet Web sites 105, or video-on-
25 demand selections. The screen may also include one or more advertisements 106, which may be interactive and which may be targeted based on media selections or other criteria. A user may select listings in media list 101 by, for example, using navigation methods to
30 select other listings. If a preview or a trailer for certain media in the media list is available, such availability may be indicated by preview icon 107. The preview or trailer may be selected by, for example, using navigation methods to move among the listings and

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using an entry function on the input device 18 (FIG. 1) to make a selection.

If desired, the system may determine whether the media in a media list is currently available. As
5 illustrated in FIG. 11, the system may check for availability when "Raiders of the Lost Ark" 110 is selected. As shown in FIG. 12, if the Raiders of the Lost Ark selection is not available for access, region 120 may be displayed to inform the user of the
10 lack of availability. The system may also provide the user with an opportunity to retain media on the media list that is not currently available and may notify the user when that media is available. The system may register the media with, for example, a process running
15 on a video-on-demand server, or another server in the system (e.g., a video-on-demand server at a media distribution facility) or with a program guide database stored locally or remotely. When the media becomes available, the system may notify the user of the
20 availability using notification indicator 130 of FIG. 13, which may provide the user with an opportunity to access the media for viewing. Indicator 130 is shown as a display region, but may have other forms (e.g., an icon).

25 Notifications may also be presented for media that is similar or related to items that are on the media list. For example, notification indicator 130 for the Raiders of the Lost Ark may have been displayed in response the system identifying that a current media
30 list includes a listing for another Indiana Jones movie or other movies that are similar or related to the Raiders of the Lost Ark. Media on a media list may have attributes associated with them that may be used to identify related or similar media for notification

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to the user. Attributes may include characteristics such as actors, genre, media sources, type of product, ratings, content type, etc.

In another embodiment, viewers may view a television or computer screen, for instance, which has embedded product information. The association of product information with the display may be accomplished by using enhanced datasets such as metadata links sometimes known as metatags. A system for a metatag-linked advertisements is described, for example, in Moore et al. U.S. Patent Publication No. US 2001/0047298 published Nov. 29, 2001.

Turning to FIG. 14, screen 700 may be used to tag purchasing opportunities of interest to the user. Screen 700 may contain screen elements of interest, such as man's jacket 710, or potted plant 711, that are linked to purchasing order options that are associated with them. If desired, screen elements that are likely to be of interest to a particular user may be identified using preferences stored in a user profile. The user profile may include a listing of categories of interest for individual users. There may be one user profile for each individual user. Examples of systems that have preference profile features are shown in U.S. Patent No. 7,185,355 issued on February 27, 2007. An individual could have "men's clothing" included as a category of interest in their user profile. The user profile may be configured by the user by specifying preferences or may be automatically configured based on usage or previous purchasing preferences.

If a user who is viewing screen 700 wishes to tag purchasing opportunities of interest, that is,

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those items that are associated with categories in his personal user profile, the user may perform tagging as previously described to add items to the media list. For example, if screen 700 is selected by the user for media list tagging (e.g., user presses a remote control key while watching the video in screen 700), the purchasing screen for purchasing jacket 710 or promotional media for jacket 710 may be added to the media list of that user. If multiple items on the screen are available for tagging, the user may indicate a particular one of the items using an input device (FIG. 1) for tagging the item of interest. Alternatively, the user may select a tagging function and be presented with a list of items to select from. The purchasing screen or media for jacket 710 may be added when a category for men's clothing is included in that user's profile. Upon subsequent access to the media list by a user, the user could then select the listing for the jacket and may access the media associated with the jacket or access a purchase screen containing detailed information on the jacket.

As mentioned generally in connection with FIG. 14, video that is presented to users may include scenes in which products are shown to users as part of the action of the video. Specific media may be associated with such products, which may be accessible to users through user equipment. The media may be a Web site, a video promotion, an advertisement, etc. Information about the association of the product and the media may be available to user equipment when the video that includes the scene with that product is presented to the user. The user equipment may be configured to allow the user to indicate an interest in elements displayed in the video by using a pointing

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device and a data entry key (e.g., an OK or mouse "click" key).

The media associated with a product may be added to a media list when the user expresses an
5 interest in the product and when there is media that is associated with the product. A user may express an interest in a product by for example tagging a media indicator, tagging a screen (e.g., screen 700 of
FIG. 14), tagging items in a screen (e.g., jacket 710
10 of FIG. 14), etc. Media for a product may be added to a media list automatically based on a user's profile. In some circumstances, a media indicator may not be explicitly identified for the user (e.g., if it is embedded in a video). In such circumstances, media
15 indicator data that may be associated with a current screen or product may be used to identify media to be added to a media list.

Illustrative displays screen 800 of FIG. 15 may be displayed upon user request after jacket 710 of
20 FIG. 14 is tagged to be added to the current user media list. Display screen 800 may include a media list 802 that may include listings for media that are associated with media indicators and listings from other items that are accessible or presented to users through user
25 equipment. Media list 802 may be a tool for the user in managing different items that are of interest to the user by storing information about the items at a location that a user may return to view and access. Media list 802 may include listings for Web sites, for
30 received e-mails, for television programs, for movies, for video-on-demand programming, for programs that are locally or remotely stored on a digital video recorder, for reminders, for special big events, for season ticket events, for media associated with

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advertisements, commercials, promotions, or other sales-type presentations, etc. Media list 802 may be considered a master media list that supports not only listings for media for advertisements, trailers, or
5 other promotional materials, but also listings from other interactive television application features. As shown, listing 803 for a promotional video for jacket 710 of FIG. 14 is included in media list 802. Media list 802 also includes listings 804 and 806 for earlier
10 featured video-on-demand programs. Media list 802 further includes listing 808 for a television program on a cable channel. Media list 802 may also include a listing for a program that was recorded by a local or remote digital video recorder associated with the user
15 (e.g., listing 810). A reminder set by the user, such as reminder listing 816 may also be included in media list 802.

When a user selects an item in media list 802, the guidance application may use information that
20 is stored for that listing to present to the user media that is available for that listing. If desired, an information display screen or overlay may be presented to the user based on a user selecting a listing located in media list 802. The information display
25 screen may provide information such as a description or an explanation related to the listing. The information display screen may include program guide features and other options such as tune, record, remind, parental control, purchase, preview, etc.

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Depending on the circumstances, user equipment may allow a user to add media associated with a media indicator, a product, a program, a reminder, a Web site, etc. in a number of different ways.

- 5 Techniques for implementing the opportunity for the user to add such media are known to those skilled in the art. For example, a special key may be provided that is dedicated to adding items to a media list or a master media list. A user may navigate a cursor or a
10 highlight window to identify an item of interest and may press the special key to add the item to the media list. Other examples may include an add to list option in an information display screen or a display that permits the user to indicate an interest in adding an
15 item to a media list.

- Thus, systems and methods for building a media list are provided. One skilled in the art will realize that the present invention can be practiced by other than the described embodiments, which are
20 presented for purposes of illustration and not of limitation, and that the present invention is limited only by the claims which follow.

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CLAIMS:

1. A method of building and using media lists comprising:

displaying broadcast media on a display device;

displaying an advertisement media indicator on the display device;

5 upon display of advertisement media indicator, providing a user with an opportunity to designate the addition of advertisement media indicator data associated with the displayed advertisement media indicator to a media list without interrupting current display activity;

storing the advertisement media indicator data in the user built
10 media list using media list building applications instructions;

at a later time upon user invocation presenting the user built media list to the user on the display device for selection;

determining, upon user selection of advertisement media indicator data from the media list, media associated with the user selected advertisement
15 media indicator data based on schedule information of the broadcast media; and

retrieving the media.
2. The method of claim 1 further comprising providing the user with an opportunity to perform an activity related to the media.
3. The method of claim 1 further comprising providing the user with the
20 opportunity to purchase the media.
4. The method of claim 1 further comprising providing the user with the opportunity to purchase a product related to the media.
5. The method of claim 1 further comprising providing the user with the opportunity to record the media.
- 25 6. The method of claim 1 further comprising providing the user with the opportunity to set a reminder for viewing the media.

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7. The method of claim 1 further comprising providing the user with the opportunity to view the media.

8. The method of claim 1 further comprising targeting the advertisement to be displayed to the user.

5 9. The method of claim 1 wherein the advertisement is a video.

10. The method of claim 1 wherein the advertisement is contained in a program guide listing.

11. The method of claim 1 further comprising storing a preview associated with the media.

10 12. The method of claim 11 further comprising retrieving and displaying the preview upon user selection from the media list.

13. The method of claim 1 further comprising storing a trailer associated with the media.

14. The method of claim 13 further comprising retrieving and displaying
15 the trailer upon user selection from the media list.

15. The method of claim 1 further comprising providing multiple media lists for multiple users.

16. The method of claim 1 further comprising determining the status of the availability of the media upon user selection.

20 17. The method of claim 16 further comprising indicating availability of the media to the user.

18. The method of claim 16 further comprising providing the user with an opportunity to retain currently unavailable media on the media list.

19. The method of claim 18 further comprising notifying the user when
25 the media becomes available for viewing.

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20. An apparatus comprising user equipment that is configured to:

display one of a number of videos on a display device wherein at least one of the videos includes a scene in which a product is shown that is associated with a particular user-accessible media for that product;

5 upon display of the videos provide a user with an opportunity to designate the addition of associated media indicator data to a user built media list;

store media indicator data associated with the video;

at a later time upon user invocation present the user built media list to the user on the display device for selection;

10 determine, upon user selection of media indicator data from the media list, user accessible media corresponding to the user selected media indicator data based on schedule information of the video; and

retrieve the user accessible media.

21. The apparatus of claim 20 wherein the user equipment is configured
15 to automatically add the listing based on a user profile when the video including that product is being displayed.

22. The apparatus of claim 20 wherein the user equipment is configured to display the media list to allow the user to select items on the list.

23. The apparatus of claim 22 wherein the user equipment is configured
20 to display the particular user-accessible media that is associated with the product when the user selects the listing for that particular user-selectable media from the media list.

24. The apparatus of claim 20 wherein the user equipment is configured to build the media list to be a master list of media that is stored for the user for
25 later access by the user.

25. The apparatus of claim 22 wherein the user equipment is configured to include in the media list listings for television programs.

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26. The apparatus of claim 22 wherein the user equipment is configured to include in the media list listings for movies.

27. The apparatus of claim 22 wherein the user equipment is configured to include in the media list listings for video-on-demand programming.

5 28. The apparatus of claim 22 wherein the user equipment is configured to include in the media list listings for reminders.

29. Computer readable storage media having instructions stored thereon for execution by a computer, the instructions comprising:

instructions for displaying broadcast media on a display device;

10 instructions for displaying an advertisement media indicator on the display device;

instructions for providing a user with an opportunity to designate the addition of advertisement media indicator data associated with the displayed advertisement media indicator to a user built media list without interrupting current display activity;

15

instructions from the media list building applications instructions for storing the media indicator data in the user built media list;

instructions for presenting at a later time the user built media list to the user on the display device for selection;

20 instructions for determining, upon user selection of advertisement media indicator data from the media list, media associated with the user selected advertisement media indicator data based on schedule information of the broadcast media; and

instructions for retrieving the media.

25 30. The computer readable storage media of claim 29 further comprising providing the user with an opportunity to perform an activity related to the media.

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31. The computer readable storage media of claim 29 wherein the instructions provide the user with the opportunity to purchase the media.

32. The computer readable storage media of claim 29 wherein the instructions provide the user with the opportunity to purchase a product related to
5 the media.

33. The computer readable storage media of claim 29 wherein the instructions provide the user with the opportunity to record the media.

34. The computer readable storage media of claim 29 wherein the instructions provide the user with the opportunity to set a reminder for viewing the
10 media.

35. The computer readable storage media of claim 29 further wherein the instructions provide the user with the opportunity to view the media.

36. The computer readable storage media of claim 29 wherein the instructions target the advertisement to be displayed to the user.

15 37. The computer readable storage media of claim 29 wherein the advertisement is a video.

38. The computer readable storage media of claim 29 wherein the advertisement is contained in a program guide listing.

39. The computer readable storage media of claim 29 wherein the
20 instructions store a preview associated with the media.

40. The computer readable storage media of claim 39 wherein the instructions retrieve and display the preview upon user selection from the media list.

41. The computer readable storage media of claim 29 wherein the
25 instructions store a trailer associated with the media.

42. The computer readable storage media of claim 41 wherein the instructions retrieve and display the trailer upon user selection from the media list.

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43. The computer readable storage media of claim 29 wherein the instructions provide multiple media lists for multiple users.

44. The computer readable storage media of claim 29 wherein the instructions determine the status of the availability of the media upon user
5 selection.

45. The computer readable storage media of claim 44 wherein the instructions indicate availability of the media to the user.

46. The computer readable storage media of claim 44 wherein the instructions provide the user with an opportunity to retain currently unavailable
10 media on the media list.

47. The computer readable storage media of claim 46 wherein the instructions notify the user when the media becomes available for viewing.

48. An apparatus comprising user equipment the apparatus comprising:

means to display one of a number of videos on a display device
15 wherein at least one of the videos includes a scene in which a product is shown that is associated with a particular user-accessible media for that product;

means to provide a user upon display of the videos with an opportunity to designate the addition of associated media indicator data to a user built media list;

20 means to store media indicator data associated with the videos;
means to present the user built media list to the user on the display device for selection at a later time upon user invocation;

means to determine, upon user selection of media indicator data from the media list, user accessible media corresponding to the user selected
25 media indicator data based on schedule information of the video; and

means to retrieve the user accessible media.

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49. The apparatus of claim 48 wherein the user equipment has means for automatically adding the listing based on a user profile when the video including that product is being displayed.

50. The apparatus of claim 48 wherein the user equipment has means for
5 displaying the media list to allow the user to select items on the list.

51. The apparatus of claim 50 wherein the user equipment has means for displaying the particular user-accessible media that is associated with the product when the user selects the listing for that particular user-selectable media from the media list.

10 52. The apparatus of claim 48 wherein the user equipment has means for building the media list to be a master list of media that is stored for the user for later access by the user.

53. The apparatus of claim 48 wherein the user equipment is to include in the media list listings for television programs.

15 54. The apparatus of claim 48 wherein the user equipment has means configured for including in the media list listings for movies.

55. The apparatus of claim 48 wherein the user equipment has means for including in the media listings for video-on-demand programming.

56. The apparatus of claim 48 wherein the user equipment has means for
20 including in the media list listings for reminders.

57. A method of building and using media lists, comprising:

displaying a first user-accessible broadcast media;

receiving an advertisement, associated with the first broadcast media,
for a second user-accessible media other than the first broadcast media;

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automatically displaying the advertisement superimposed on a display for the first broadcast media;

providing the user with an opportunity to designate the addition of the second media to a user built media list for later viewing when the advertisement is
5 displayed; and

adding the second media to the user built media list in response to the user designation, without interrupting display of the first broadcast media.

58. The method of claim 57 further comprising providing the user with an opportunity to perform an activity related to at least one of the first and second user
10 accessible media.

59. The method of claim 57 further comprising providing the user with the opportunity to purchase at least one of the first and second user accessible media.

60. The method of claim 57 further comprising providing the user with the opportunity to purchase a product related to at least one of the first and second user
15 accessible media.

61. The method of claim 57 further comprising providing the user with the opportunity to record at least one of the first and second user accessible media.

62. The method of claim 57 further comprising providing the user with the opportunity to set a reminder for viewing at least one of the first and second user
20 accessible media.

63. The method of claim 57 further comprising providing the user with the opportunity to view at least one of the first and second user accessible media.

64. The method of claim 57 further comprising targeting the advertisement to be displayed to the user.

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65. The method of claim 57 wherein the advertisement is a video.

66. The method of claim 57 wherein the advertisement is interactive.

67. The method of claim 57 wherein the advertisement is from the Internet.

68. The method of claim 57 wherein the advertisement is contained in a
5 program guide listing.

69. The method of claim 57 further comprising storing a preview associated
with at least one of the first and second user accessible media.

70. The method of claim 69 further comprising retrieving and displaying the
preview upon user selection from the media list.

10 71. The method of claim 57 further comprising storing a trailer associated
with at least one of the first and second user accessible media.

72. The method of claim 71 further comprising retrieving and displaying the
trailer upon user selection from the media list.

73. The method of claim 57 further comprising providing multiple media lists
15 for multiple users.

74. The method of claim 57 further comprising providing the user with an
opportunity to retain a currently unavailable second media on the media list.

75. The method of claim 74 further comprising notifying the user when the
currently unavailable second media becomes available for viewing.

20 76. A system of building and using media lists, comprising:

means for displaying a first user-accessible broadcast media;

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means for receiving an advertisement, associated with the first broadcast media, for a second user-accessible media other than the first broadcast media;

5 means for automatically displaying the advertisement superimposed on a display for the first broadcast media;

means for providing the user with an opportunity to designate the addition of the second media to a user built media list for later viewing when the advertisement is displayed; and

10 means for adding the second media to the user built media list in response to the user designation, without interrupting play of the first broadcast media.

77. The system of claim 76 further comprising means for providing the user with an opportunity to perform an activity related to at least one of the first and second user accessible media.

15 78. The system of claim 76 further comprising means for providing the user with the opportunity to purchase at least one of the first and second user accessible media.

79. The system of claim 76 further comprising means for providing the user with the opportunity to purchase a product related to at least one of the first and
20 second user accessible media.

80. The system of claim 76 further comprising means for providing the user with the opportunity to record at least one of the first and second user accessible media.

81. The system of claim 76 further comprising means for providing the user
25 with the opportunity to set a reminder for viewing at least one of the first and second user accessible media.

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82. The system of claim 76 further comprising means for providing the user with the opportunity to view at least one of the first and second user accessible media.

83. The system of claim 76 further comprising means for targeting the
5 advertisement to be displayed to the user.

84. The system of claim 76 wherein the advertisement is a video.

85. The system of claim 76 wherein the advertisement is interactive.

86. The system of claim 76 wherein the advertisement is from the Internet.

87. The system of claim 76 wherein the advertisement is contained in a
10 program guide listing.

88. The system of claim 76 further comprising means for storing a preview associated with at least one of the first and second user accessible media.

89. The system of claim 88 further comprising means for retrieving and displaying the preview upon user selection from the media list.

15 90. The system of claim 88 further comprising means for storing a trailer associated with at least one of the first and second user accessible media.

91. The system of claim 90 further comprising means for retrieving and displaying the trailer upon user selection from the media list.

92. The system of claim 88 further comprising means for providing multiple
20 media lists for multiple users.

93. The system of claim 88 further comprising means for providing the user with an opportunity to retain a currently unavailable second media on the media list.

94. The system of claim 88 further comprising means for notifying the user when the currently unavailable second media becomes available for viewing.

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95. Non-transitory computer readable storage media comprising machine readable instructions operative to:

display a first user-accessible broadcast media;

5 receive an advertisement, associated with the first broadcast media, for a second user-accessible media other than the first broadcast media;

automatically display the advertisement superimposed on a display for the first broadcast media;

provide the user with an opportunity to designate the addition of the second media to a user built media list when the advertisement is displayed; and

10 add the second media to the user built media list in response to the user designation, without interrupting display of the first broadcast media.

96. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with an opportunity to perform an activity related to at least one of the first and second user
15 accessible media.

97. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with the opportunity to purchase at least one of the first and second user accessible media.

98. The non-transitory computer readable media of claim 95, wherein the
20 machine-readable instructions are further operative to provide the user with the opportunity to purchase a product related to at least one of the first and second user accessible media.

99. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with the
25 opportunity to record at least one of the first and second user accessible media.

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100. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with the opportunity to set a reminder for viewing at least one of the first and second user accessible media.

5 101. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with the opportunity to view at least one of the first and second user accessible media.

102. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to target the advertisement to be
10 displayed to the user.

103. The non-transitory computer readable media of claim 95, wherein the advertisement is a video.

104. The non-transitory computer readable media of claim 95, wherein the advertisement is interactive.

15 105. The non-transitory computer readable media of claim 95, wherein the advertisement is from the Internet.

106. The non-transitory computer readable media of claim 95, wherein the advertisement is contained in a program guide listing.

107. The non-transitory computer readable media of claim 95, wherein the
20 machine-readable instructions are further operative to store a preview associated with at least one of the first and second user accessible media.

108. The non-transitory computer readable media of claim 107, wherein the machine-readable instructions are further operative to retrieve and display the preview upon user selection from the media list.

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109. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to store a trailer associated with at least one of the first and second user accessible media.

110. The non-transitory computer readable media of claim 109, wherein the machine-readable instructions are further operative to retrieve and display the trailer upon user selection from the media list.

111. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide multiple media lists for multiple users.

10 112. The non-transitory computer readable media of claim 95, wherein the machine-readable instructions are further operative to provide the user with an opportunity to retain a currently unavailable second media on the media list.

113. The non-transitory computer readable media of claim 112, wherein the machine-readable instructions are further operative to notify the user when the currently unavailable media becomes available for viewing.

114. The method of claim 57 further comprising determining whether the received advertisement is of interest to the user, wherein the automatically displaying the advertisement superimposed on a display for the first broadcast media is done in response to determining that the received advertisement is of interest to the user.

20 115. A method of building and using media lists with user equipment having a processing means, an input means and a display means, the method comprising the processing means of the user equipment:

displaying an advertisement on the display means;

associating the advertisement with a location of a related media from

25 which the related media can be retrieved;

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providing a user with an opportunity to select the advertisement in order to designate the addition of the media associated with the advertisement at the location to a media list using the input means;

5 presenting, on the display means, the media list to the user for selection using the input means;

receiving a user selection of the related media from the media list;

indicating a current availability for retrieval of the user selected media from the location on the display means; and

10 retrieving the user selected media from the location for being displayed on the display means if the user selected media is currently available for retrieval from the location.

116. The method of claim 115 further comprising the processing means of the user equipment providing the user with the opportunity to purchase the media or purchase a product related to the media.

15 117. The method of claim 115 further comprising the processing means of the user equipment targeting the advertisement to be display to the user.

118. The method of claim 115, wherein the media comprises a preview or a trailer, the method further comprising the processing means of the user equipment retrieving and displaying, on the display means, the preview upon user selection from
20 the media list or retrieving and displaying, on the display means, the trailer upon user selection from the media list.

119. The method of claim 115 further comprising the processing means of the user equipment providing multiple media lists for multiple users on the display means.

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120. The method of claim 115 further comprising the processing means of the user equipment:

providing the user with an opportunity to retain media currently unavailable for retrieval on the media list; and

5 notifying the user when the media becomes available for retrieval.

121. An apparatus comprising user equipment for building and using media lists of user-accessible media, the apparatus comprising:

means for displaying one of a number of videos wherein at least one of the videos displays a product that is associated with a content of a user-accessible
10 media and that can be purchased by the user;

means for adding a listing for the user-accessible media that is associated with the displayed product to a media list when the video is displayed to the user; and

means for receiving a user selection of media from the media list; and

15 means for indicating a current availability for retrieval of the user selected media.

122. The apparatus of claim 121 wherein the user equipment has means for adding the listing when the user indicates an interest in that product when the video including that product is being displayed and means for automatically adding the
20 listing based on a user profile when the video including that product is being displayed.

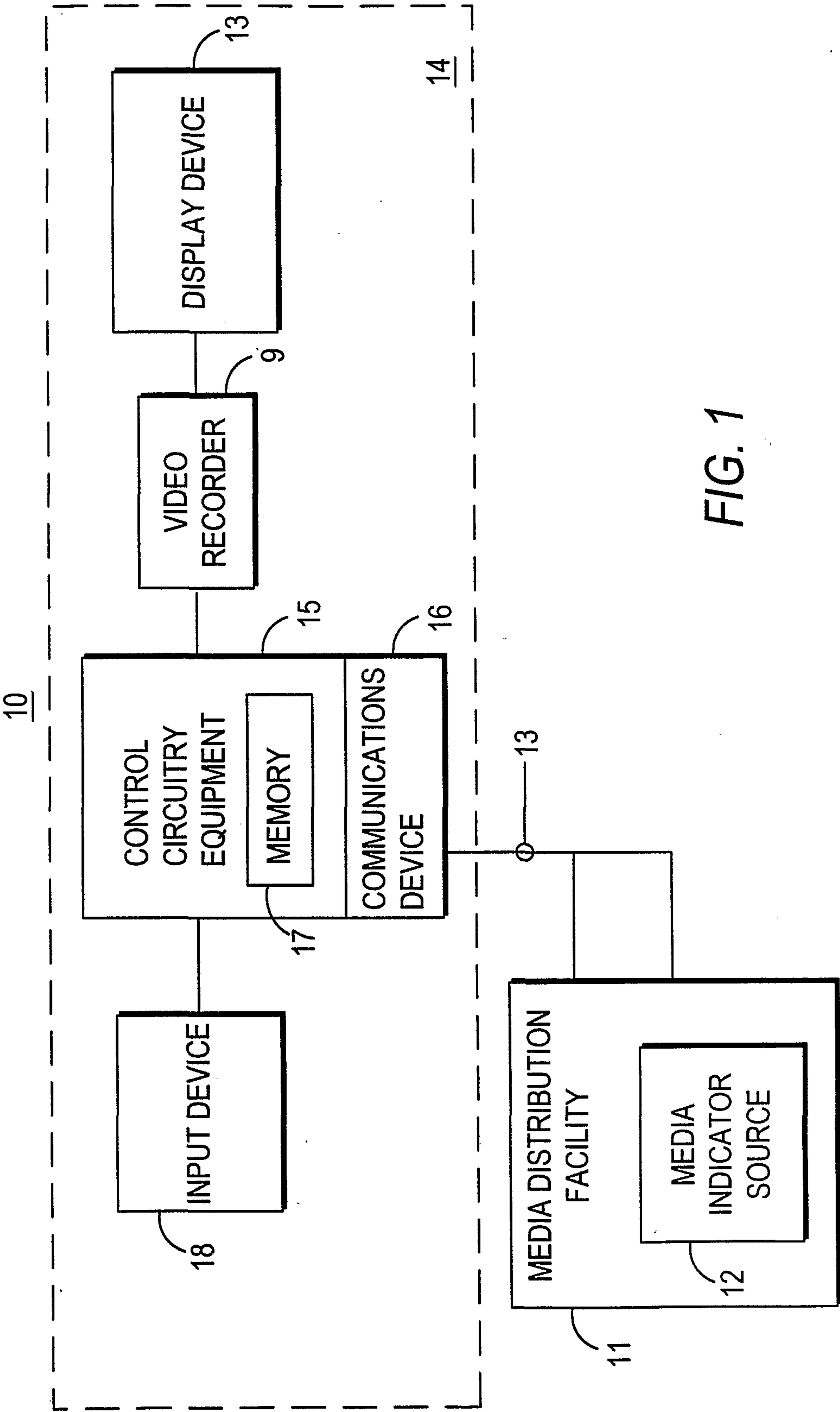
123. The apparatus of claim 121 wherein the user equipment has means for displaying the media list to allow the user to select items on the list and means for displaying a particular user-accessible media in response to the user selecting an
25 item on the list corresponding to the particular user-accessible media.

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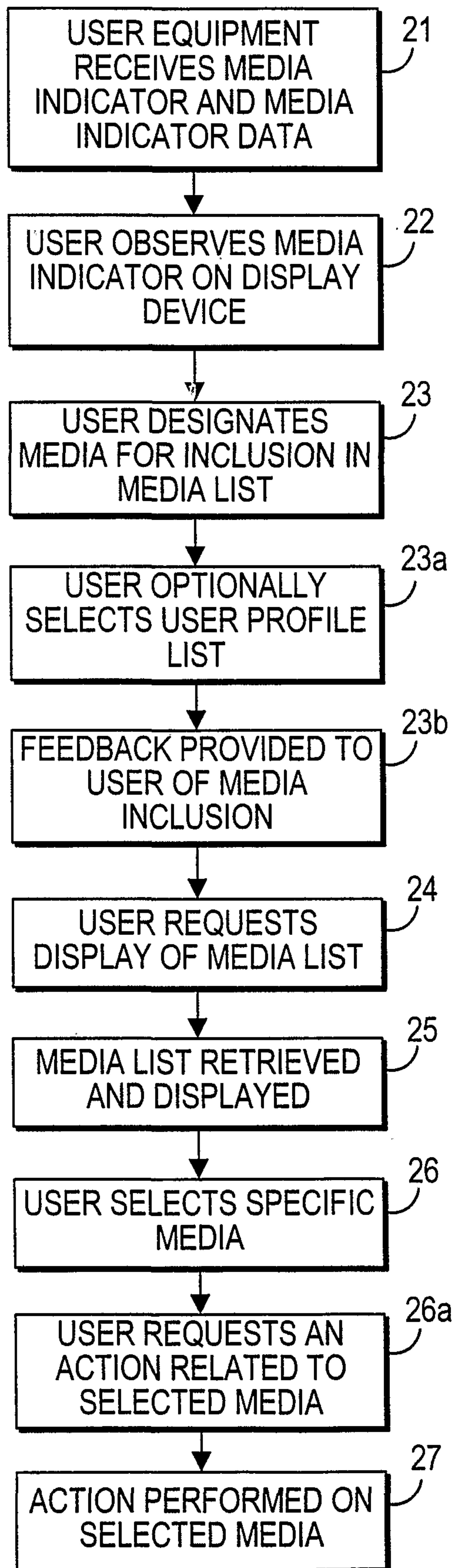
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124. The apparatus of claim 121 wherein the user equipment has means for building the media list to be a master list of media that is stored for the user for later access by the user.

125. The apparatus of claim 121 wherein the user equipment is to include in
5 the media list listings for television programs, listings for movies, listings for video-on-demand programming, listing for Internet Web sites, listings for interactive advertisements, or listings for reminders.



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20**FIG. 2**

30

BUY YOUR TEAM'S:				31			

32

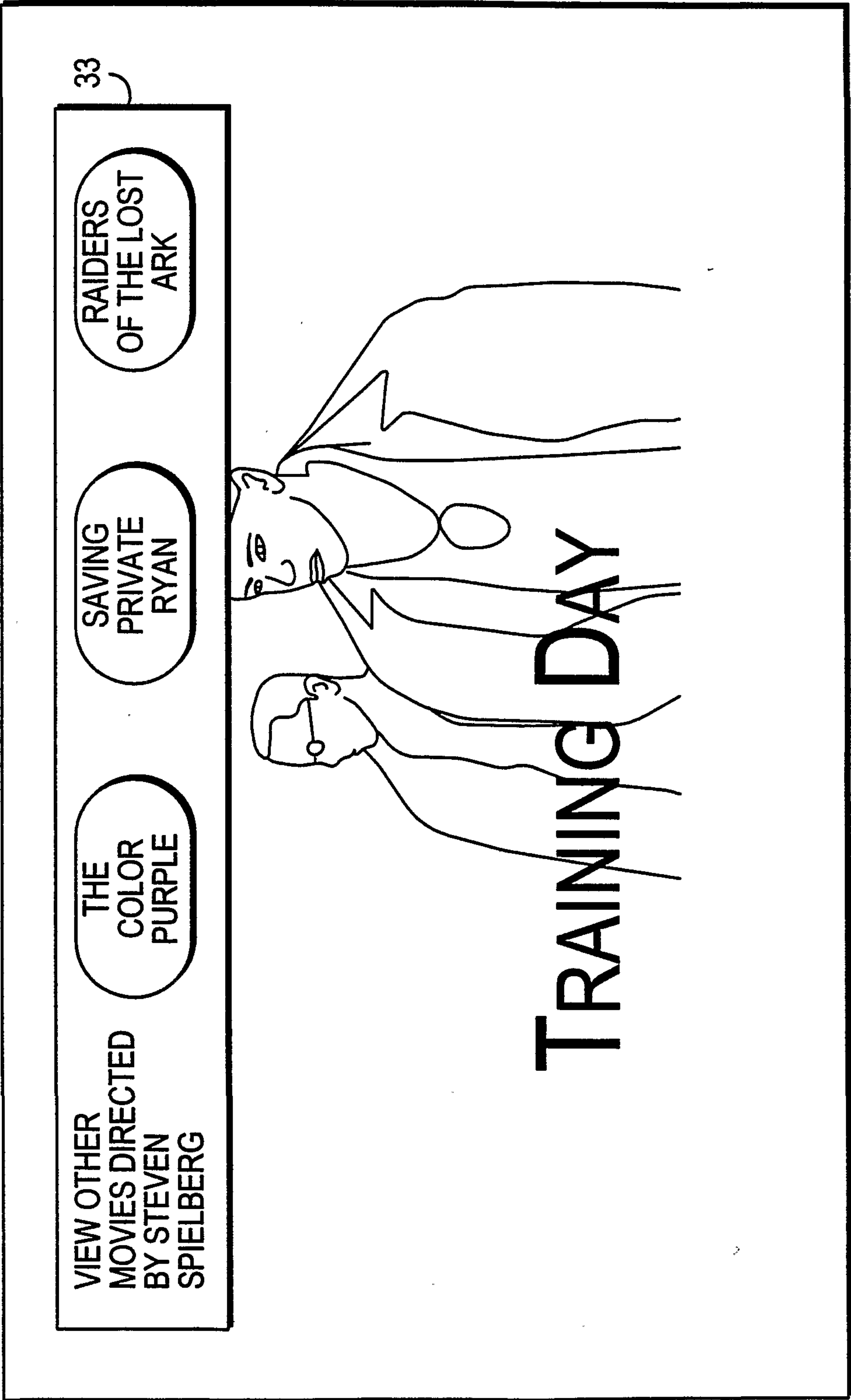
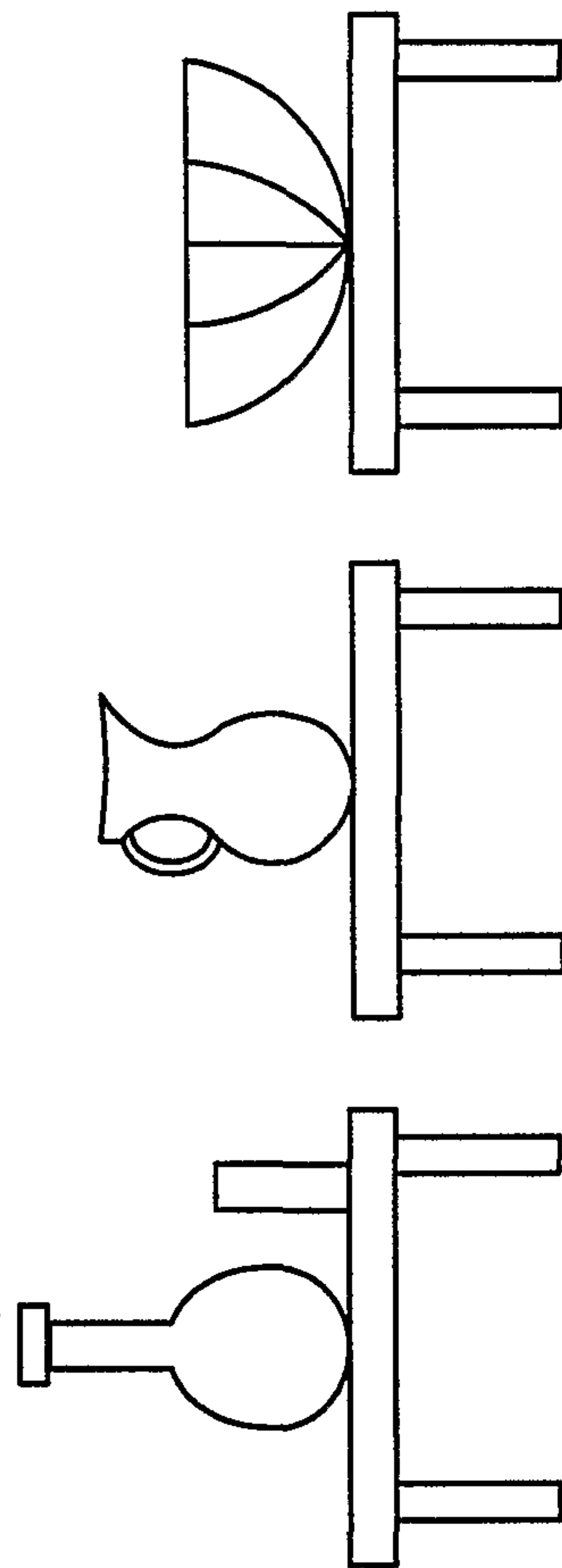


FIG. 3b

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3435USHOP'S COLLECTION OF
VENETIAN GLASSWARE*FIG. 3C*

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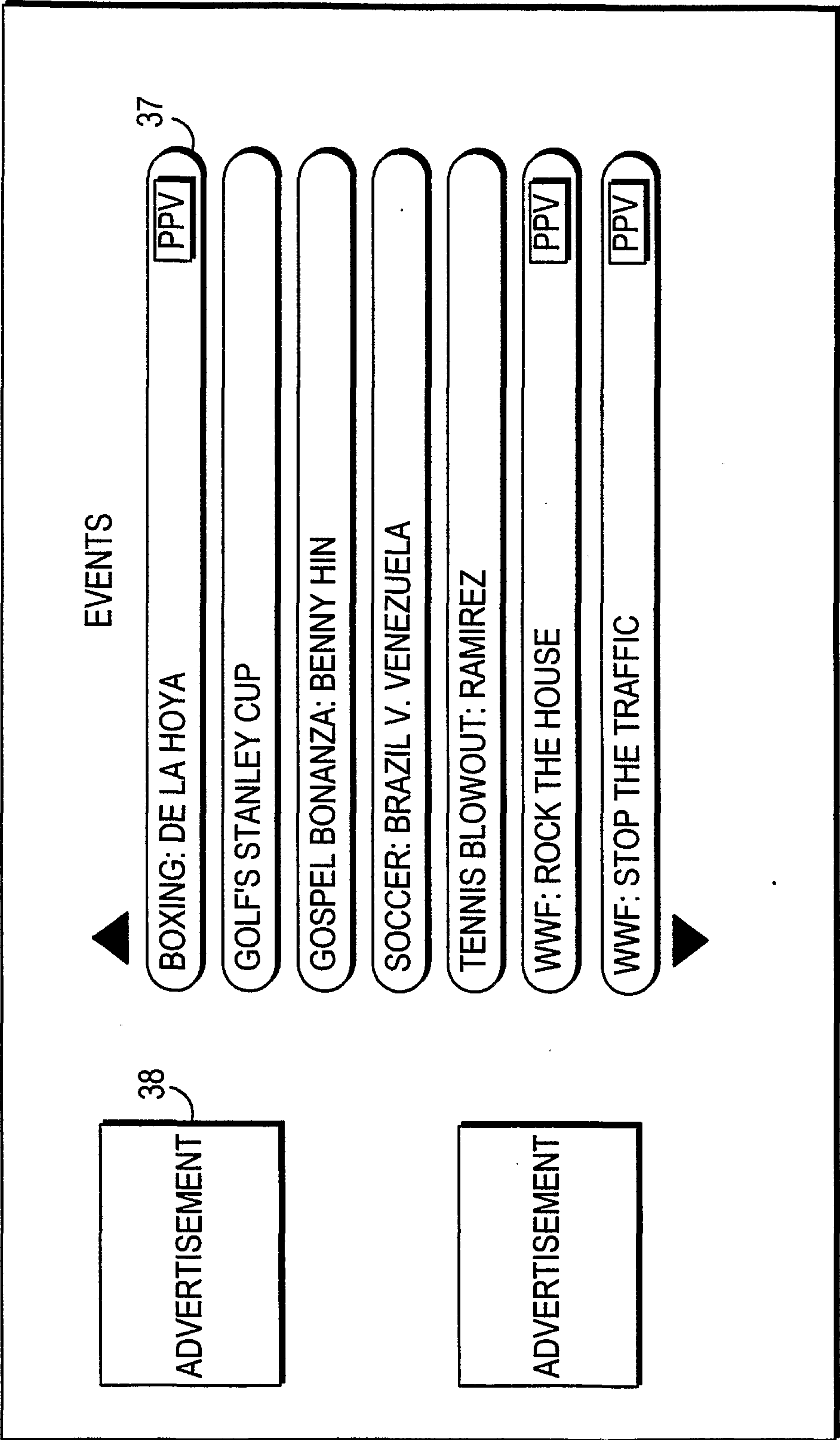


FIG. 3d

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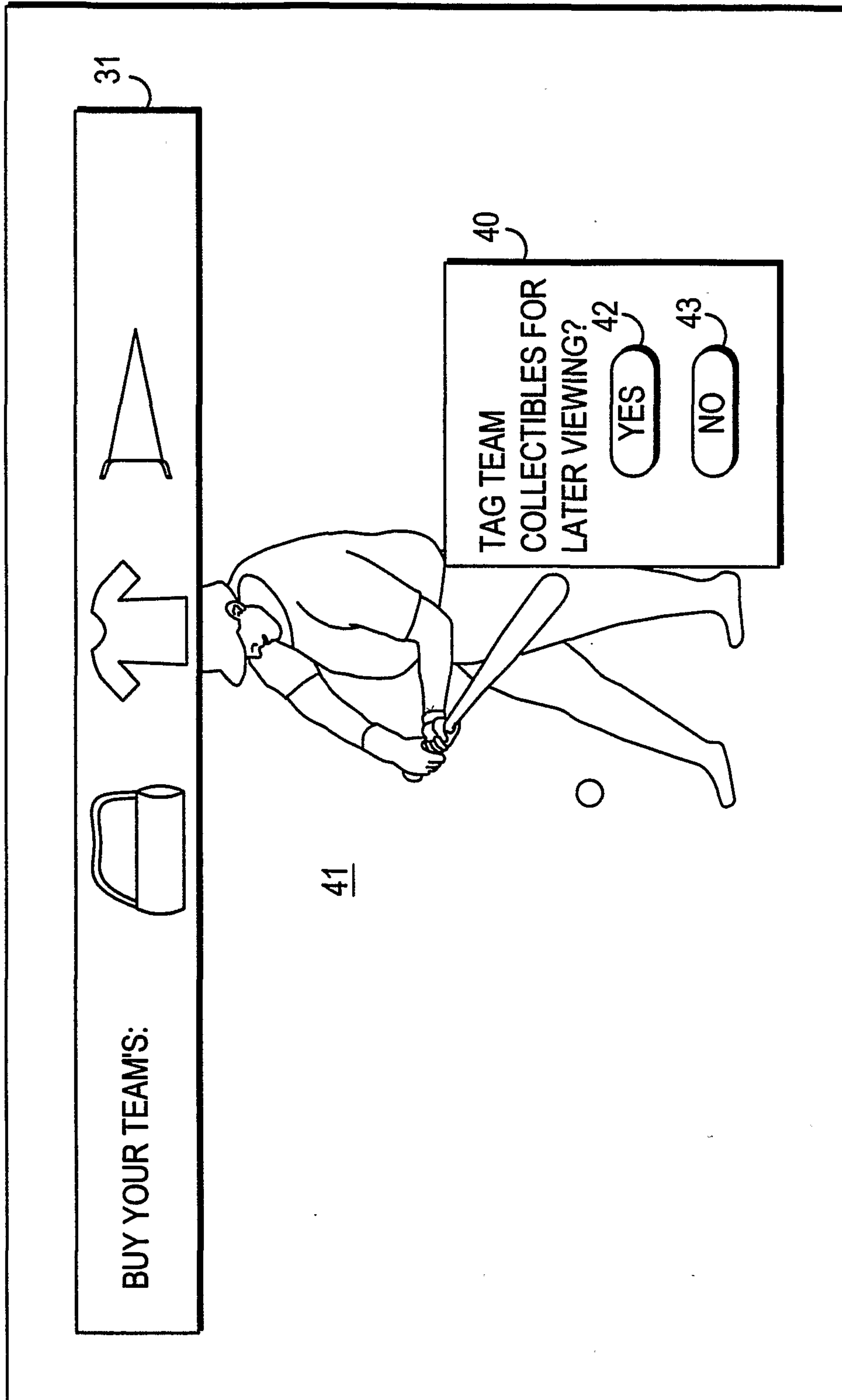


FIG. 4

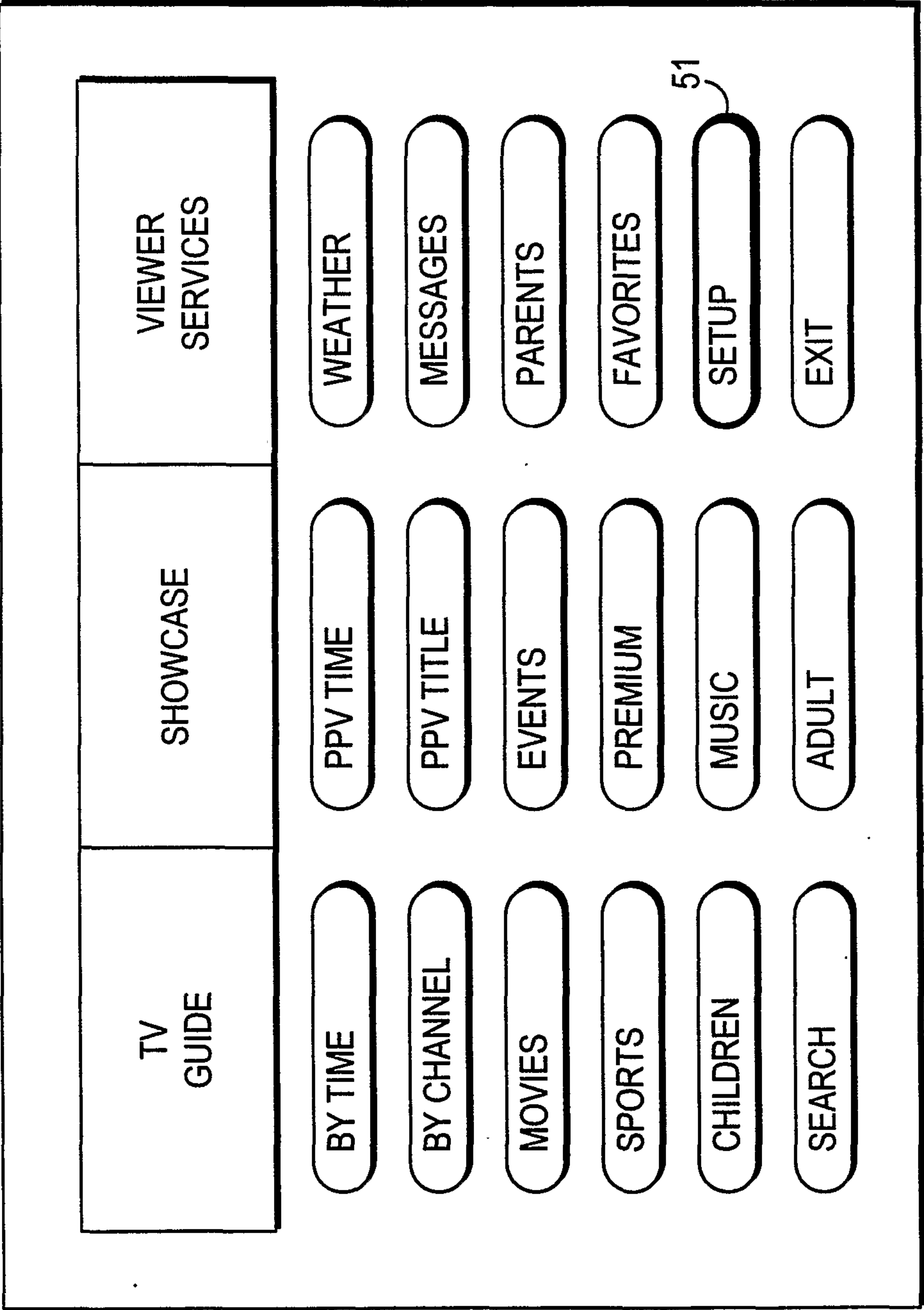
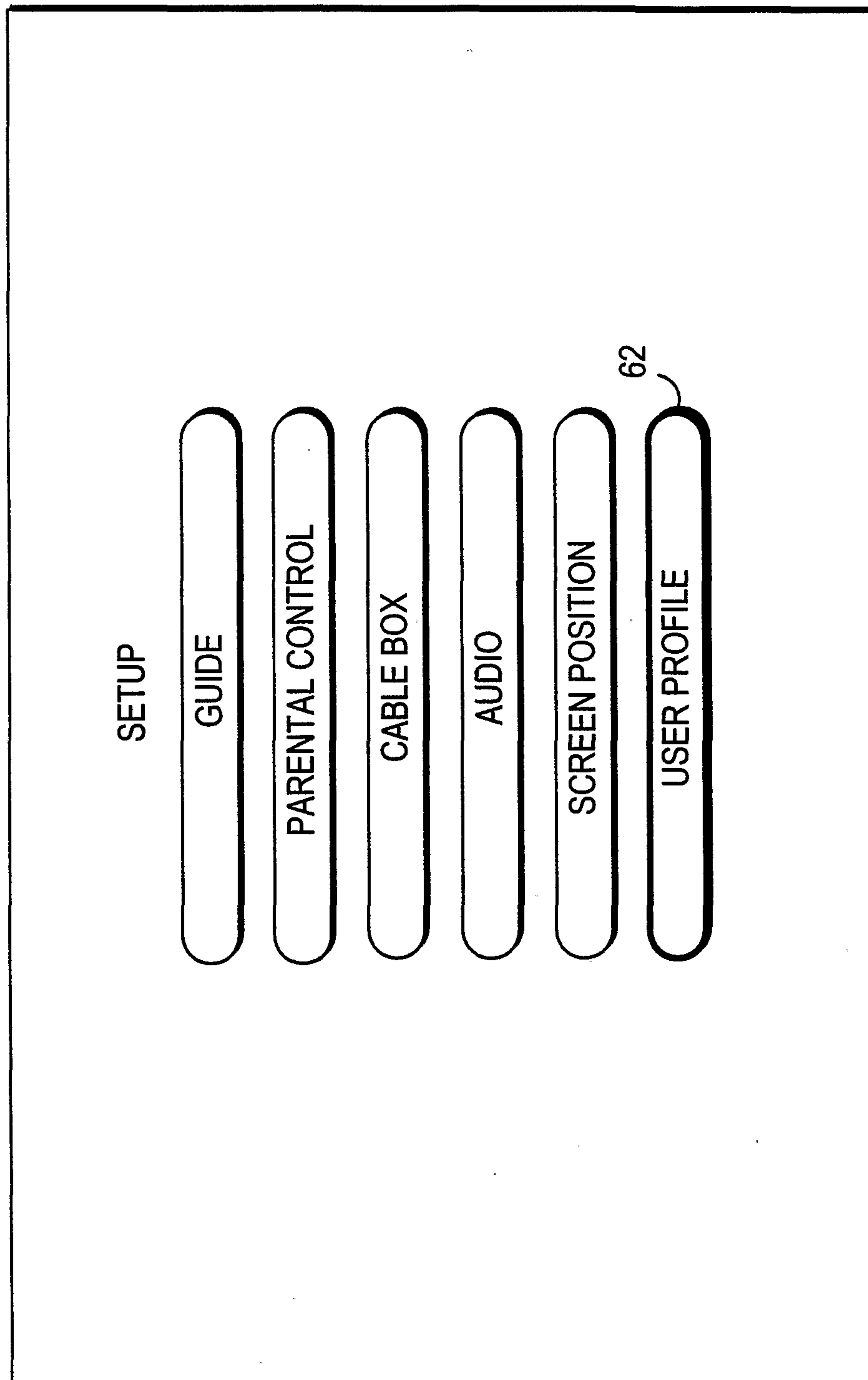


FIG. 5

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61*FIG. 6*

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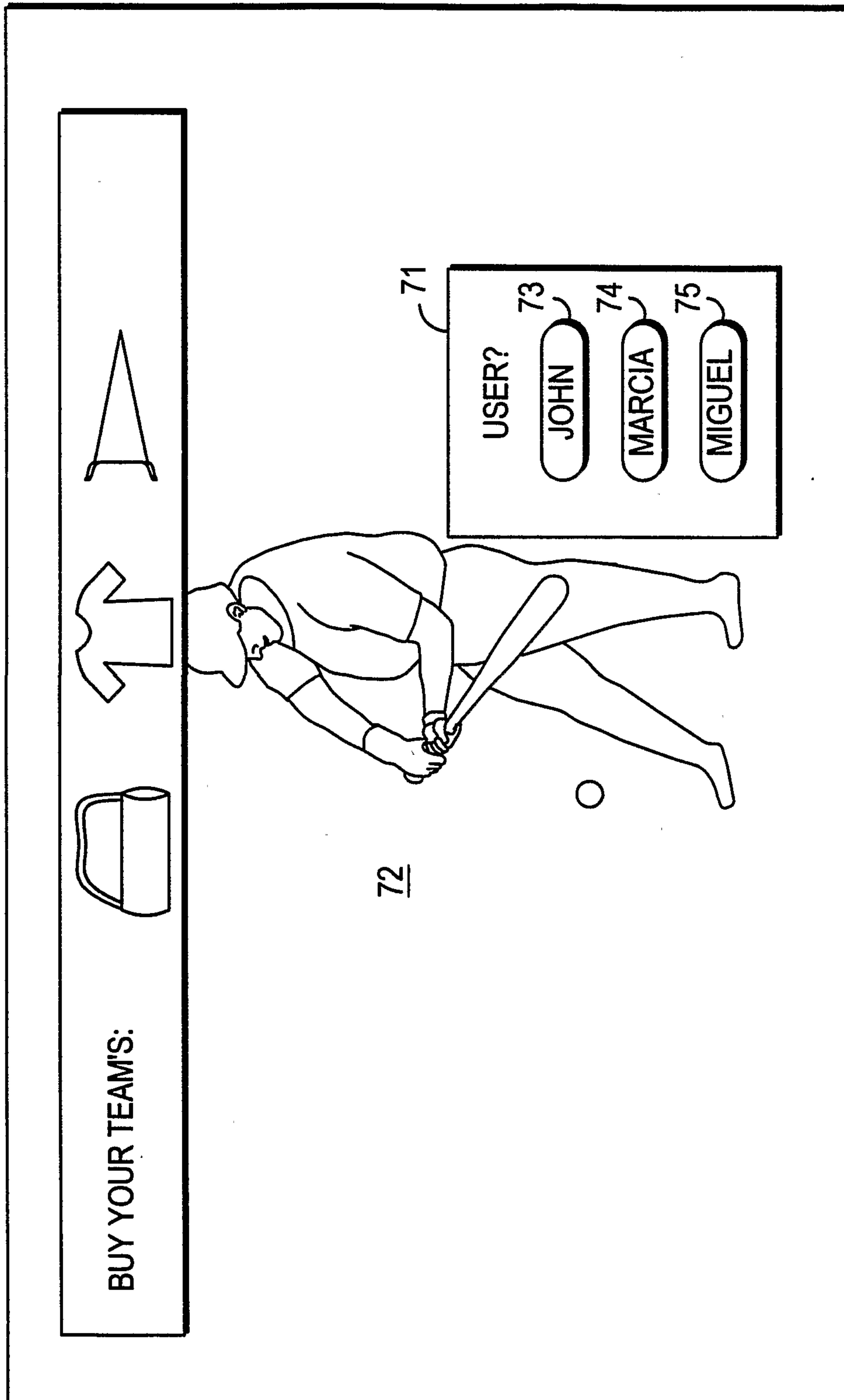


FIG. 7

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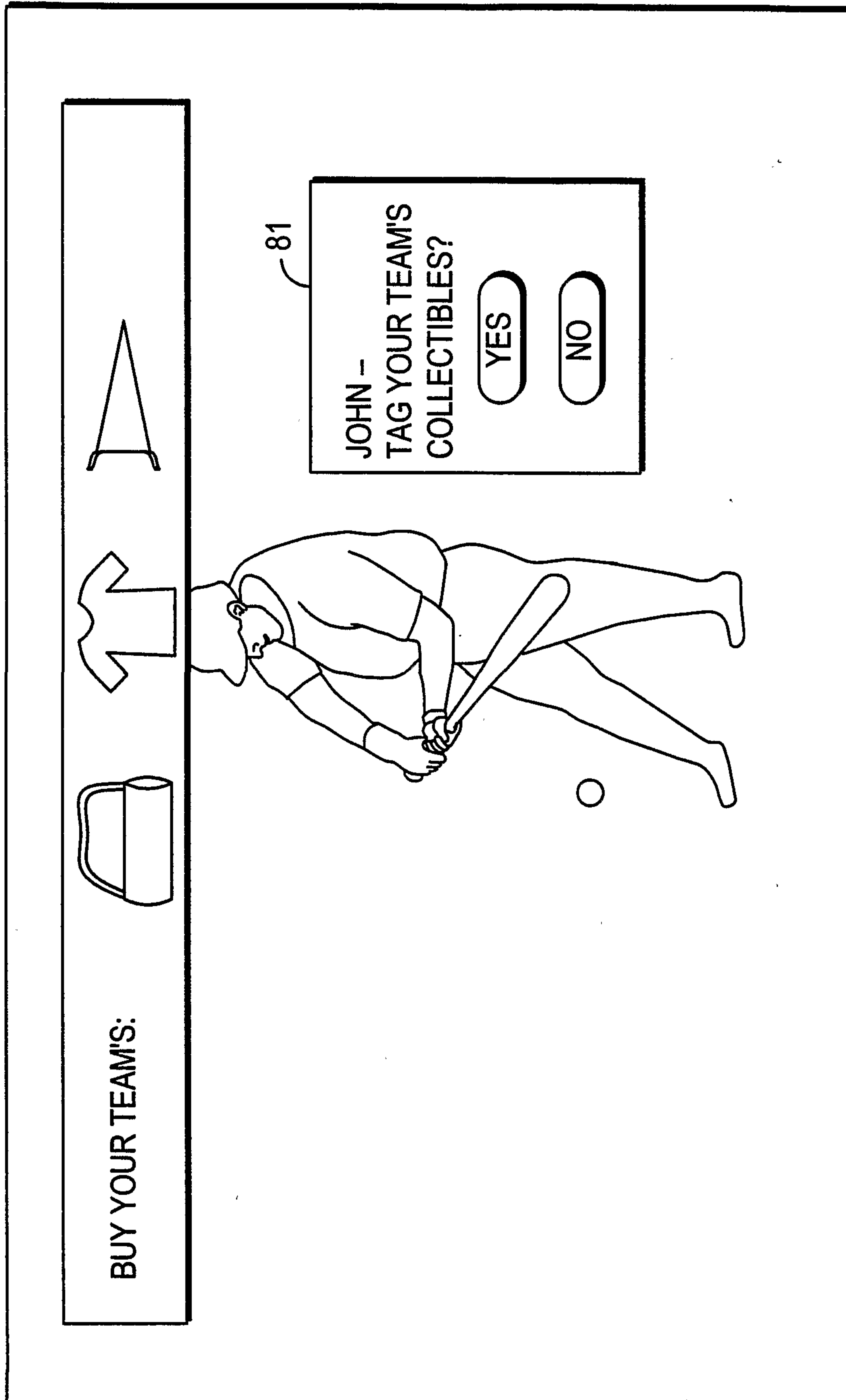


FIG. 8

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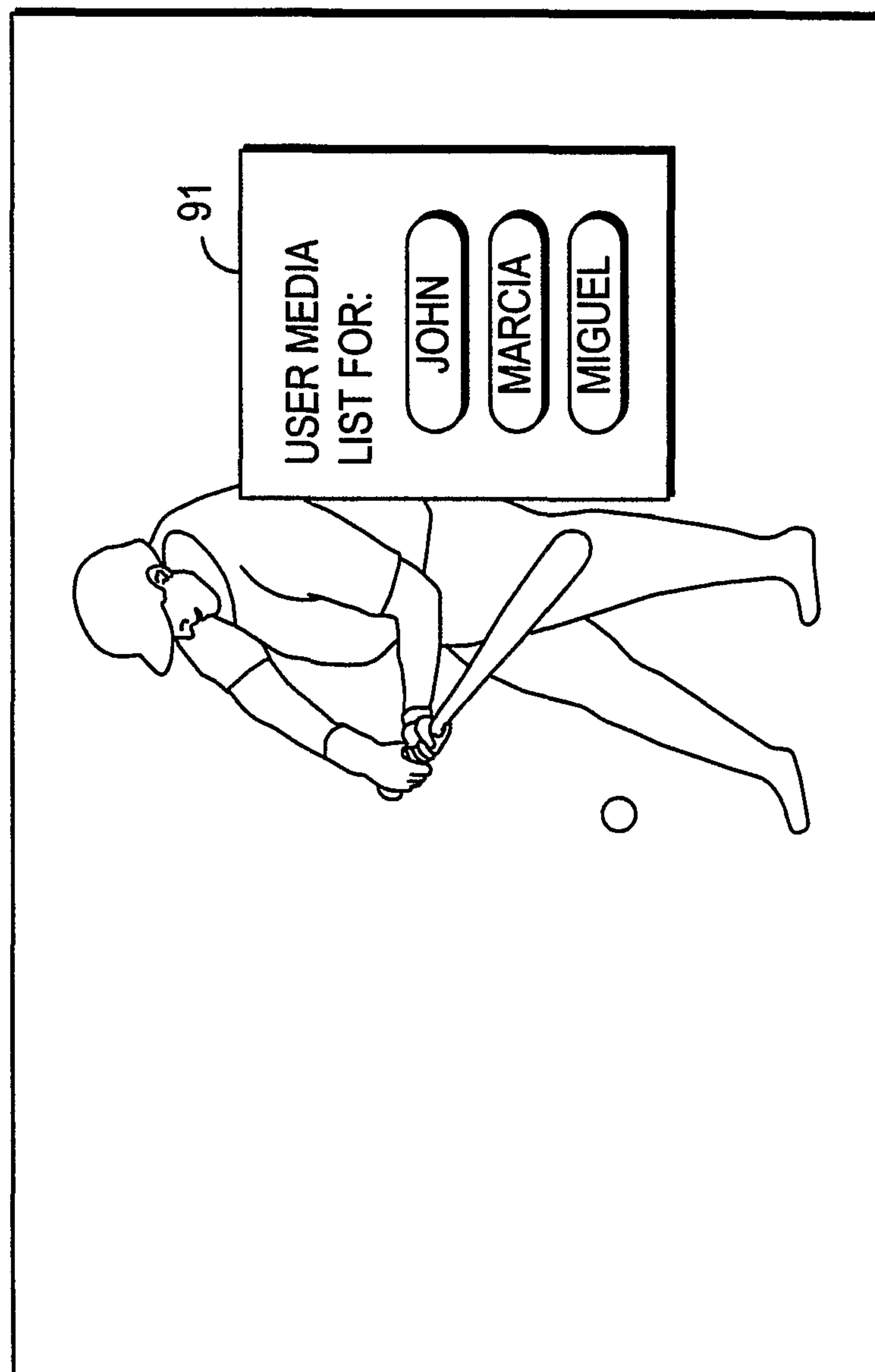


FIG. 9

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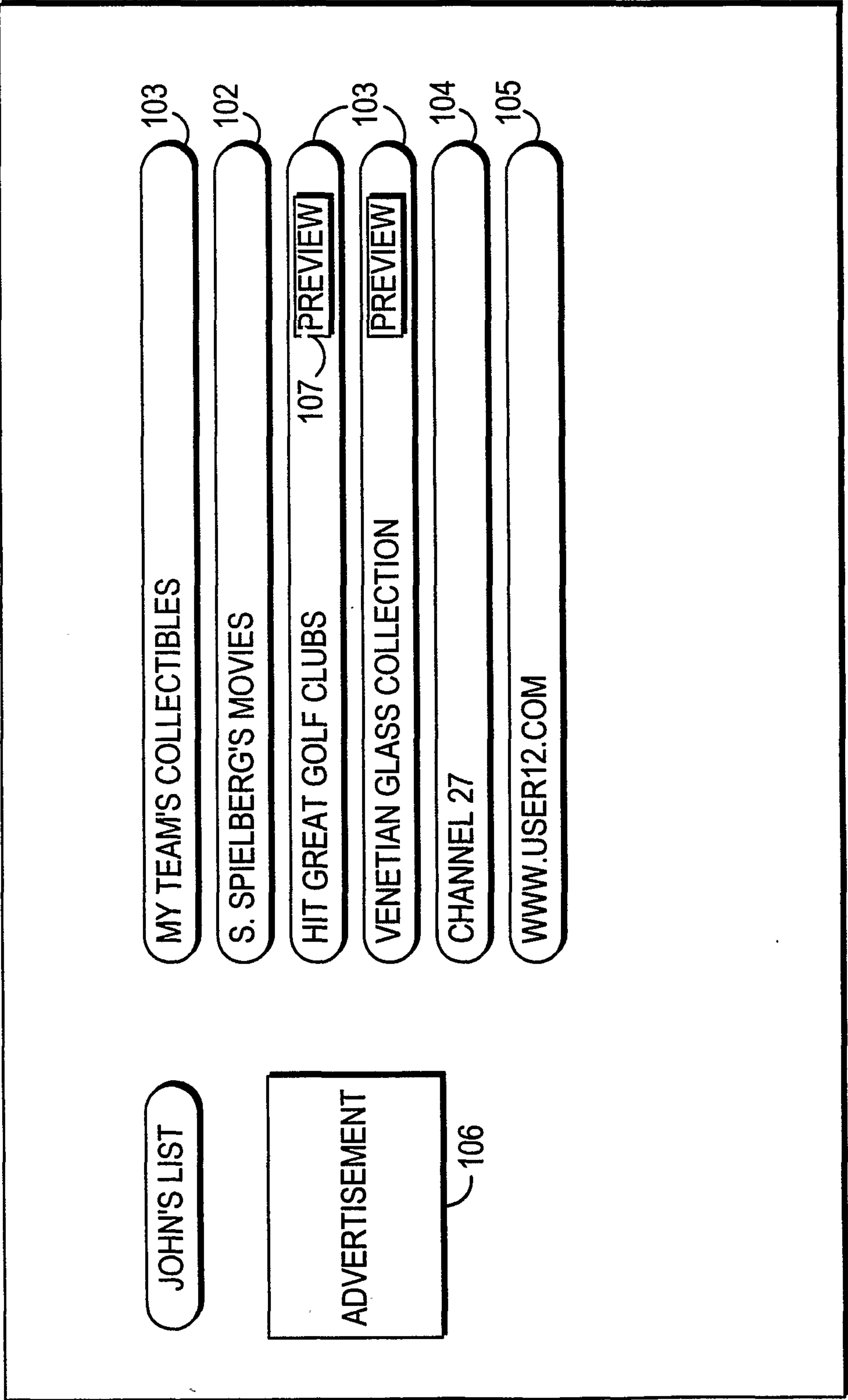


FIG. 10

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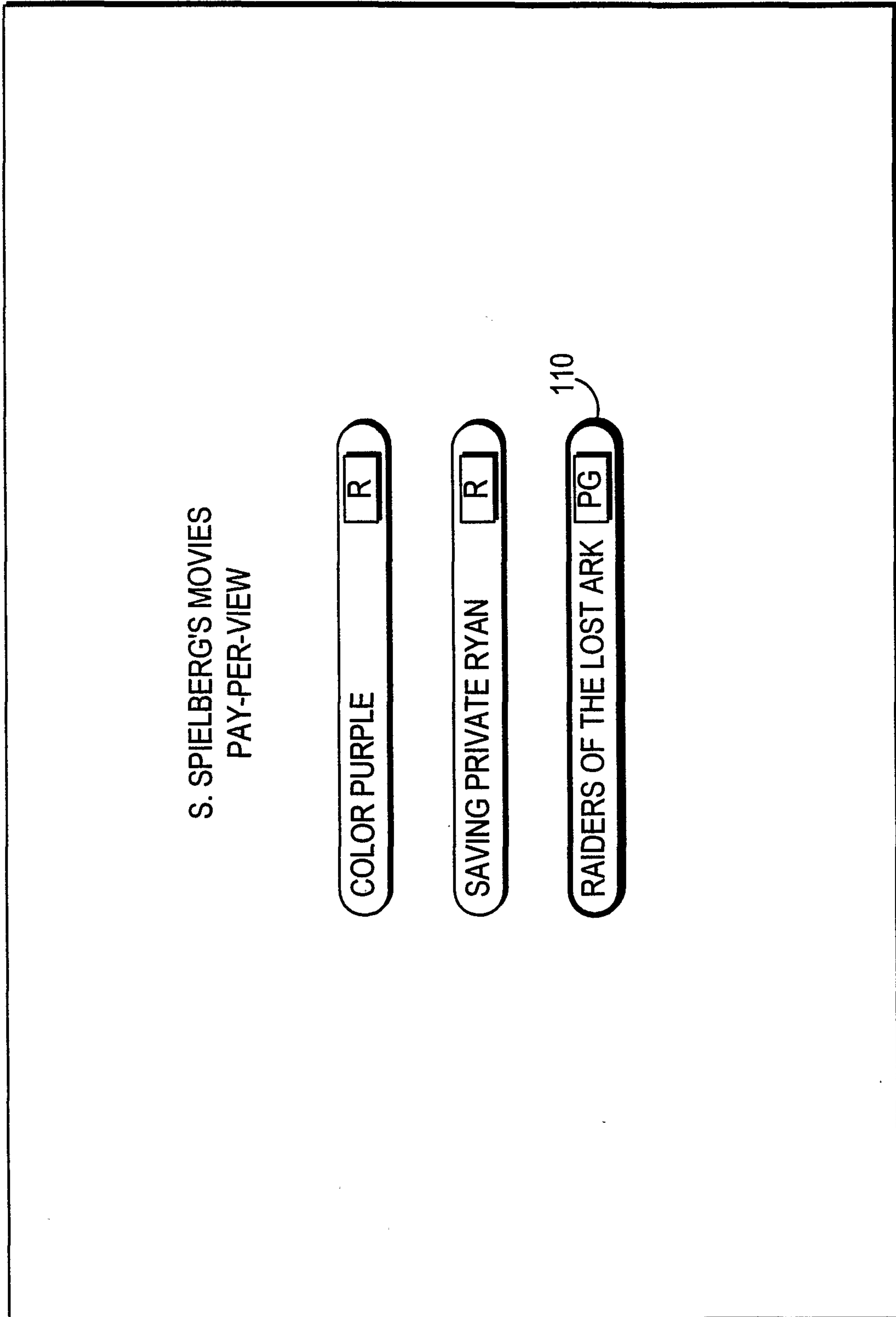


FIG. 11

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S. SPIELBERG'S MOVIES
PAY-PER-VIEW

COLOR PURPLE ☐ R

SAVING PRIVATE RYAN ☐ R

JOHN --
RAIDERS OF THE LOST ARK
NOT PRESENTLY AVAILABLE.
WOULD YOU LIKE TO KEEP ON LIST
& BE NOTIFIED WHEN AVAILABLE?

YES
NO

120

FIG. 12

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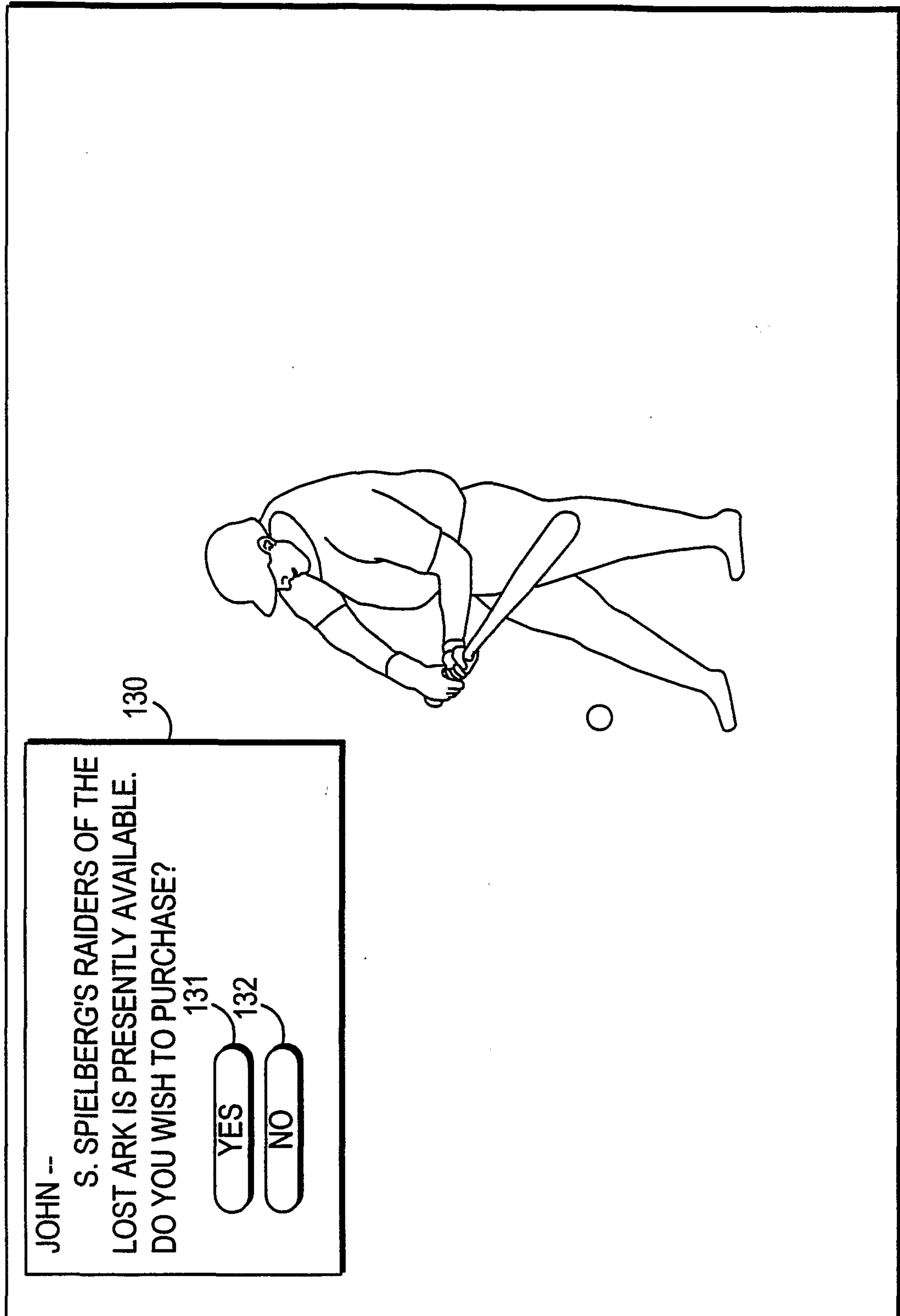


FIG. 13

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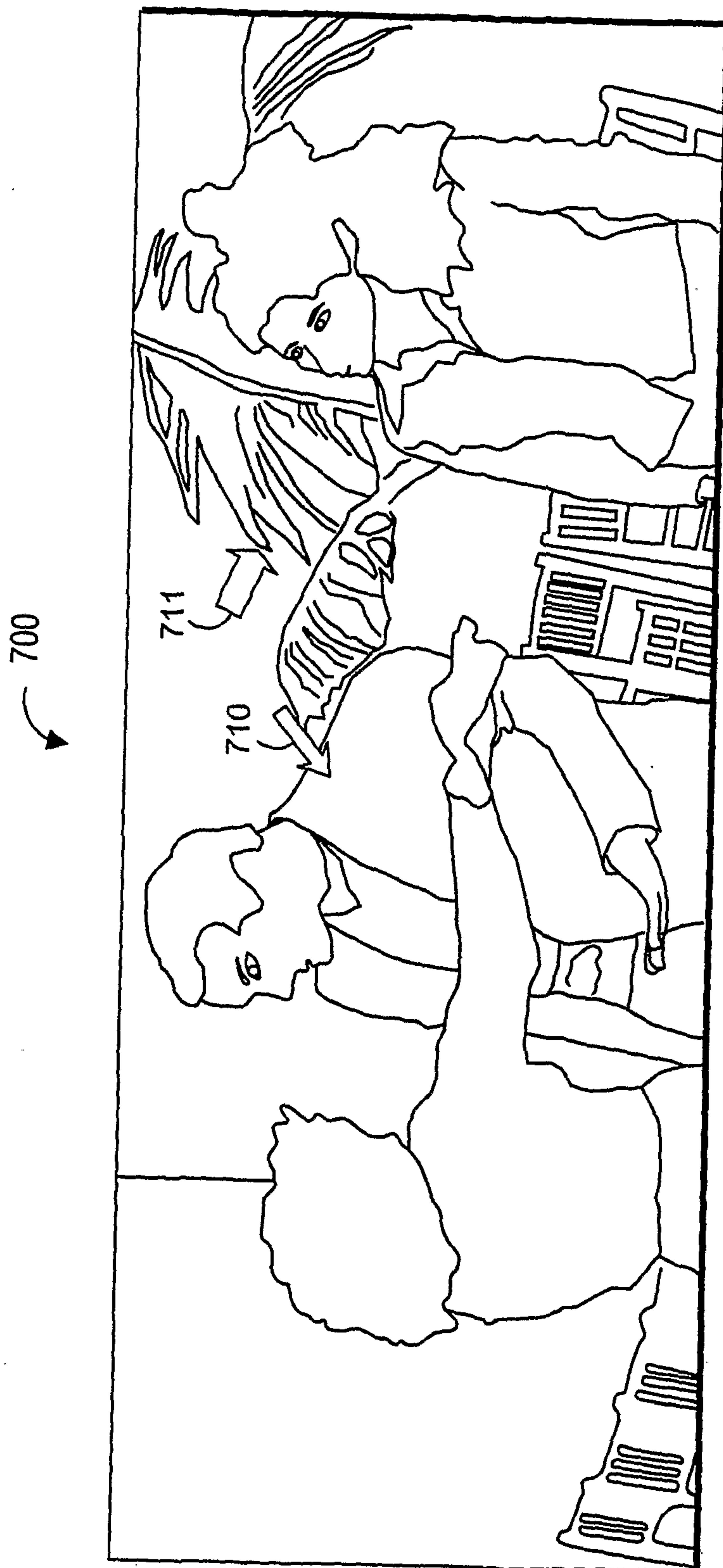


FIG. 14

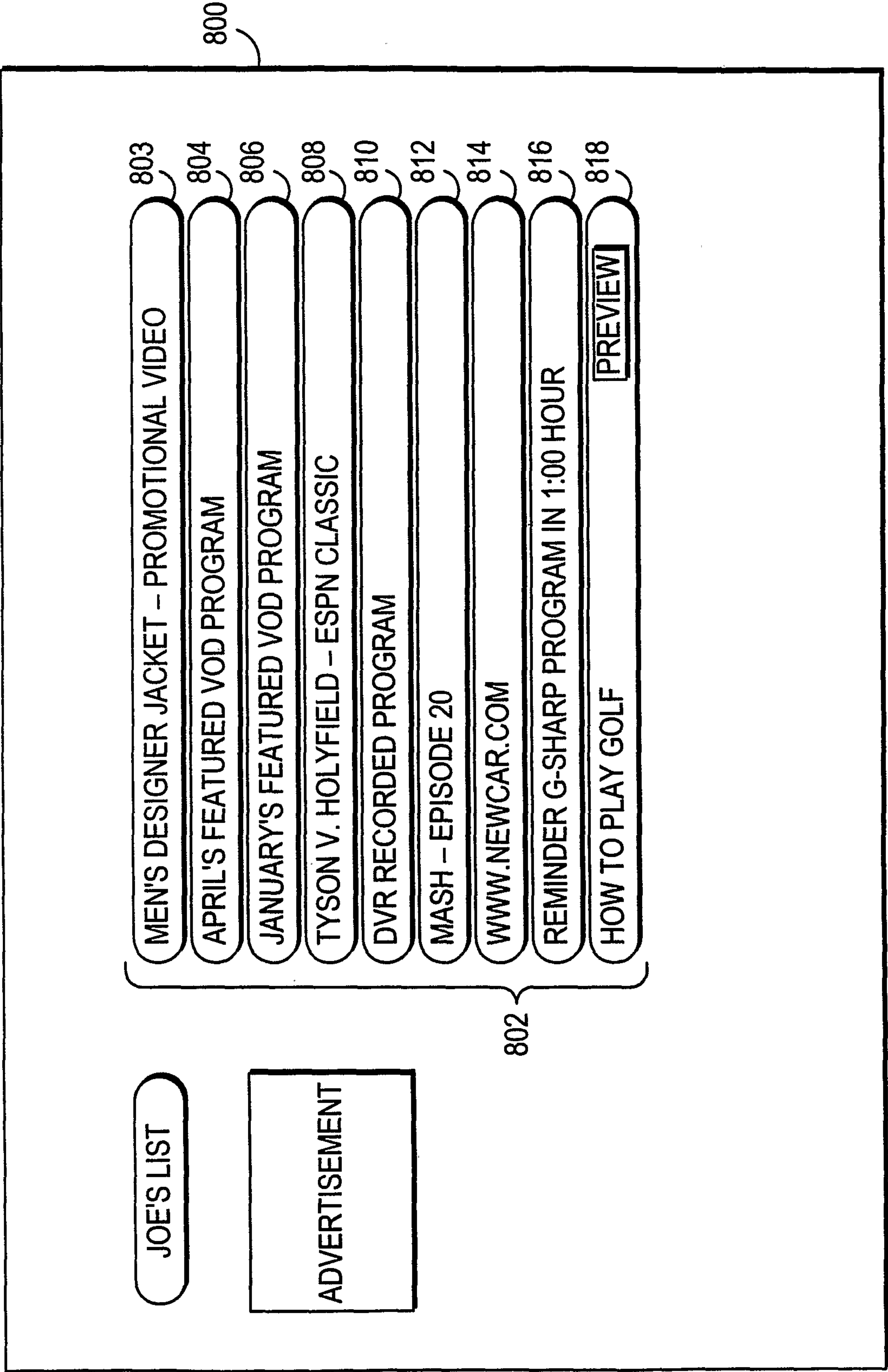


FIG. 15

