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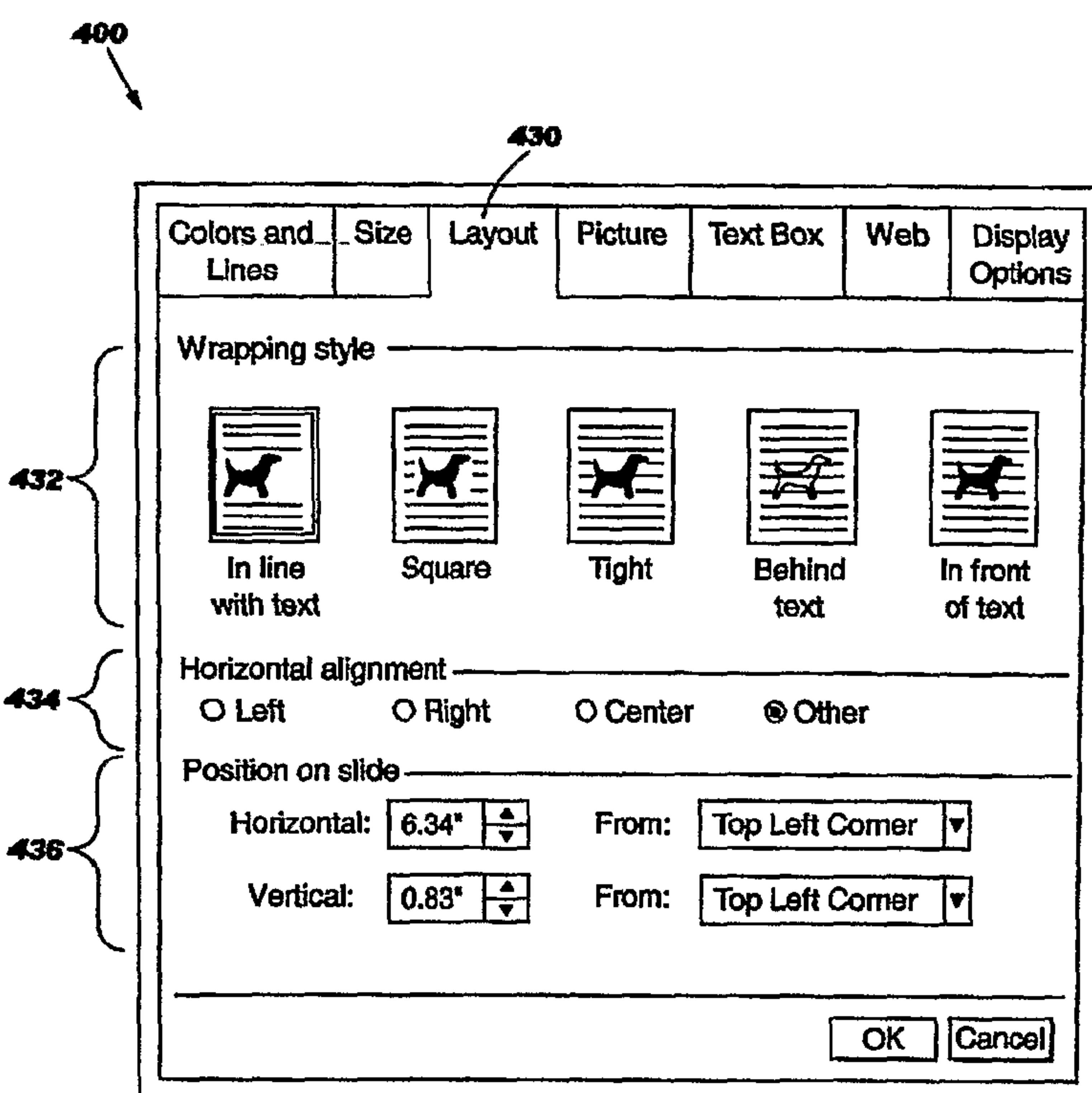
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(54) Titre : OBJET D'AGENDA INTELLIGENT POUR LA REPRESENTATION D'EMPLACEMENT CONTEXTUEL AU
SEIN D'UNE APPLICATION DE PRESENTATION
(54) Title: INTELLIGENT AGENDA OBJECT FOR SHOWING CONTEXTUAL LOCATION WITHIN A PRESENTATION
APPLICATION



(57) Abrégé/Abstract:

A method for displaying a slide show containing an online that follows the progression of the user's presentation comprising a Configuration Program (CP) and an Intelligent Agenda Program (IAP). The CP allows the user to configure the intelligent agenda of

(57) Abrégé(suite)/Abstract(continued):

the present invention. When configuring the display options, the user can configure the expansion of the outline on the intelligent agenda, limit the number of displayed lines in the intelligent agenda, and limit the topics displayed on the intelligent agenda. The IAP runs whenever the user runs the presentation program associated with the present invention. The IAP displays the outline according to the expansion configuration and modifies the online based on the configuration limitations defined by the user. The intelligent agenda tracks the user's progression through the presentation and indicates to the audience the contextual location of the current topic in the presentation online.

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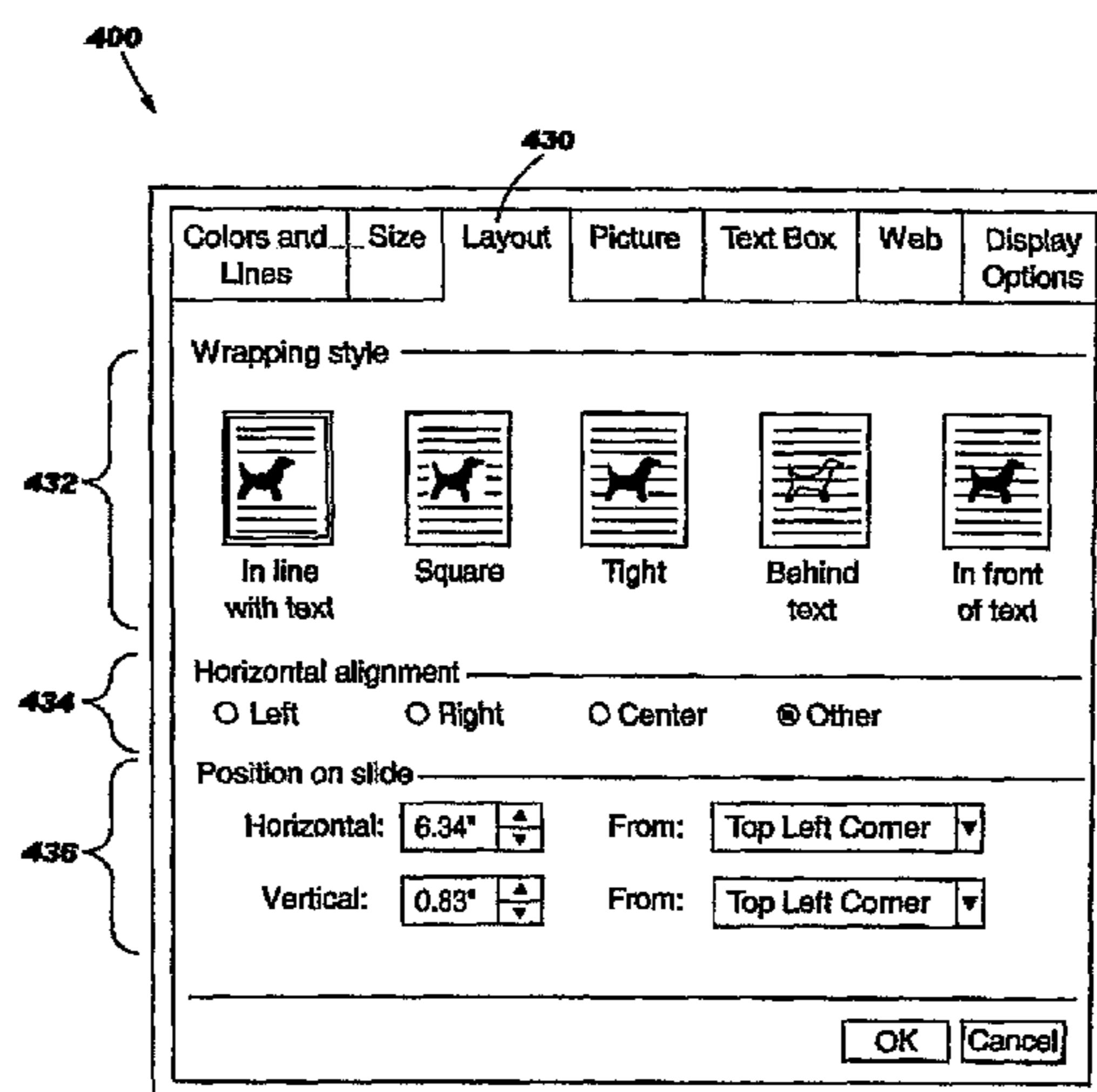
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[Continued on next page]

(54) Title: INTELLIGENT AGENDA OBJECT FOR SHOWING CONTEXTUAL LOCATION WITHIN A PRESENTATION APPLICATION



(57) Abstract: A method for displaying a slide show containing an online that follows the progression of the user's presentation comprising a Configuration Program (CP) and an Intelligent Agenda Program (IAP). The CP allows the user to configure the intelligent agenda of the present invention. When configuring the display options, the user can configure the expansion of the outline on the intelligent agenda, limit the number of displayed lines in the intelligent agenda, and limit the topics displayed on the intelligent agenda. The IAP runs whenever the user runs the presentation program associated with the present invention. The IAP displays the outline according to the expansion configuration and modifies the online based on the configuration limitations defined by the user. The intelligent agenda tracks the user's progression through the presentation and indicates to the audience the contextual location of the current topic in the presentation online.

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Description

INTELLIGENT AGENDA OBJECT FOR SHOWING CONTEXTUAL LOCATION WITHIN A PRESENTATION APPLICATION

Technical Field

[001] The present invention is directed generally at computer programs for slide shows and presentations and specifically at a computer program for displaying and updating an outline on the slides.

Background Art

[002] Presentation programs such as MICROSOFT® POWERPOINT® and LOTUS® FREELANCE GRAPHICS® are well known in the art. The generally accepted method of use of a presentation program is for the user to create a presentation in the form of a slide show on the presentation program. The user may then display the slide show in a presentation to an audience. When the user presents the slide show to the audience, it is useful for the audience to be able to determine the speaker's current contextual position in the slide show. The contextual location is the location of the current slide within the context of all of the topics within the presentation. Knowledge of the speaker's current contextual position in the slide show can add meaning to and increase the audience's ability to understand the information conveyed in the current slide. Currently, the audience has no way of keeping track of the speaker's current contextual position in the presentation. Therefore, a need exists for an apparatus that informs the audience of the speaker's current contextual position in the presentation.

[003] Many presentation programs allow a user to place page numbers on the slides. Placing page numbers on the slides tells the audience how many pages have passed (i.e. the physical position), but does not convey any contextual information regarding the presentation. Even when the page numbers use the "Page X of Y" format, the page numbers do not convey any contextual information and can be misleading because the speaker can spend more time discussing some slides than others. An outline-type format is better suited for conveying contextual location information to an audience. Therefore, a need exists for a method of indicating the contextual location of the current slide in an outline format to the audience.

[004] ADOBE® documents can be configured with an outline that displays contextual information for a static printed or electronic document. The outline contains the topics

that have preceded the current topic and the topics that will follow the immediate topic. The outline is initially contracted, but the outline topics may be expanded by the reader. The ADOBE® outline is useful for static documents because the reader can review the document at leisure and has complete control over the document. However, the ADOBE® outline is not suitable for dynamic presentations, such as slide shows presented to an audience, because the ADOBE® software does not include presentation features, such as adding videos or sounds to the slides, and does not allow the speaker to make the slides animated or interactive.

[005] Consequently, a need exists in the art for a method of informing an audience of the speaker's current position in a slide show. The need extends to a method of informing the audience in an outline format that is easy for the audience to follow. A need also exists for an outline in which the speaker can control the expansion and contraction of the outline. Finally, a need exists for an automated method for generating the outline from the slides in the slide show.

Disclosure of Invention

[006] A first aspect of the present invention, which meets the needs identified above, is a method for displaying a slide show containing an outline that follows the progression of the user's presentation. A software embodiment of the present invention comprises a Configuration Program (CP) and an Intelligent Agenda Program (IAP). The CP allows the user to configure the intelligent agenda of the present invention. The user can configure the colors and lines for the intelligent agenda, the size of the intelligent agenda, the layout of the intelligent agenda, the picture in the background of the intelligent agenda, the text box of the intelligent agenda, the web options for the intelligent agenda, and the display options for the intelligent agenda. When configuring the display options, the user can configure the expansion of the outline on the intelligent agenda, limit the number of displayed lines in the intelligent agenda, and limit the topics displayed on the intelligent agenda.

[007] The IAP runs whenever the user runs the presentation program associated with the present invention. If the user has not configured the intelligent agenda, the IAP displays the selected slide and the entire expanded outline as a default. If the user has configured the intelligent agenda, then the IAP displays the outline according to the expansion configuration and modifies the outline based on the configuration limitations defined by the user. The user may navigate the slides as he would in the absence of the present invention. The intelligent agenda of the present invention tracks the user's progression through the presentation and indicates to the audience the

contextual location of the current topic in the presentation outline.

Brief Description of the Drawings

[008] The novel features believed characteristic of the invention are set forth in the appended claims. The invention itself, however, as well as a preferred mode of use, further objectives and advantages thereof, will best be understood by reference to the following detailed description of an illustrative embodiment when read in conjunction with the accompanying drawings, wherein:

[009] FIG. 1 is an illustration of a computer network used to implement the present invention;

[010] FIG. 2 is an illustration of a computer, including a memory and a processor, associated with the present invention;

[011] FIG. 3 is an illustration of the outline of topics for the present invention;

[012] FIG. 4 is an illustration of the logic of the Configuration Program (CP) of the present invention;

[013] FIG. 5 is an illustration of the colors and lines tab of the present invention;

[014] FIG. 6 is an illustration of the size tab of the present invention;

[015] FIG. 7 is an illustration of the layout tab of the present invention;

[016] FIG. 8 is an illustration of the picture tab of the present invention;

[017] FIG. 9 is an illustration of the text box tab of the present invention;

[018] FIG. 10 is an illustration of the web tab of the present invention;

[019] FIG. 11 is an illustration of the display options tab of the present invention;

[020] FIG. 12 is an illustration of the logic of the Intelligent Agenda Program (IAP) of the present invention;

[021] FIGS. 13A, 13B, 13C, and 13D illustrate the progression of the pointer down the intelligent agenda of the present invention;

[022] FIG. 14 illustrates the intelligent agenda modified using the colors and lines tab of the CP;

[023] FIG. 15 illustrates the intelligent agenda modified using layout tab of the CP; and

[024] FIGS. 16, 17, 18, 19, and 20 illustrate the intelligent agenda modified using display options tab of the CP.

Mode for the Invention

[025] As used herein, the term "above" shall refer to a topic that is the main topic or a higher sub-topic for the current topic.

[026] As used herein, the term "adjacent" shall mean a topic immediately before or im-

mediately after a current topic.

- [027] As used herein, the term “below” shall mean a sub-topic for the current topic, regardless of whether the current topic is a main topic or a sub-topic.
- [028] As used herein, the term “computer” shall mean a machine having a processor, a memory, and an operating system, capable of interaction with a user or other computer, and shall include without limitation desktop computers, notebook computers, personal digital assistants (PDAs), servers, handheld computers, and similar devices.
- [029] As used herein, the term “main topic” shall mean a topic that introduces a new subject and that does not have any higher topics.
- [030] As used herein, the term “next” shall mean proceeding from a current topic to the subsequent topic.
- [031] As used herein, the term “presentation program” shall mean a computer program for displaying a slide show.
- [032] As used herein, the term “previous” shall mean returning to an immediately prior topic from a current topic.
- [033] As used herein, the term “sub-topic” shall mean a slide that elaborates on the subject matter in the main topic slide.
- [034] As used herein, the term “topic” shall mean a slide in a presentation program slide show.
- [035] FIG. 1 is an illustration of computer network **90** associated with the present invention. Computer network **90** comprises local computer **95** electrically coupled to network **96**. Local computer **95** is electrically coupled to remote computer **94** and remote computer **93** via network **96**. Local computer **95** is also electrically coupled to server **91** and database **92** via network **96**. Network **96** may be a simplified network connection such as a local area network (LAN) or may be a larger network such as a wide area network (WAN) or the Internet. Furthermore, computer network **90** depicted in FIG. 1 is intended as a representation of a possible operating network containing the present invention and is not meant as an architectural limitation.
- [036] The internal configuration of a computer, including connection and orientation of the processor, memory, and input/output devices, is well known in the art. The present invention is a methodology that can be embodied in a computer program. Referring to FIG. 2, the methodology of the present invention is implemented on software by Configuration Program (CP) **300** and Intelligent Agenda Program (IAP) **500**. CP **300** and IAP **500** described herein can be stored within the memory of any computer depicted

in FIG. 1. Alternatively, CP 300 and/or IAP 500 can be stored in an external storage device such as a removable disk, a CD-ROM, or a USB storage device. Memory 100 is illustrative of the memory within one of the computers of FIG. 1. Memory 100 also contains presentation program 120. Presentation program 120 is a computer program that is commonly used as a visual aid in presentations. Examples of presentation program 120 are MICROSOFT® POWERPOINT® and LOTUS® FREELANCE GRAPHICS®. The present invention may interface with presentation program 120 through memory 100. As part of the present invention, the memory 100 can be configured with presentation program 120, CP 300, and/or IAP 500. Processor 106 can execute the instructions contained in presentation program 120, CP 300, and/or IAP 500. Processor 106 is also able to display data on display 102 and accept user input on user input device 104. Processor 106, user input device 104, display 102, and memory 100 are part of a computer such as local computer 95 in FIG. 1. Processor 106 can communicate with other computers via network 96.

[037] In alternative embodiments, presentation program 120, CP 300, and/or IAP 500 can be stored in the memory of other computers. Storing presentation program 120, CP 300, and/or IAP 500 in the memory of other computers allows the processor workload to be distributed across a plurality of processors instead of a single processor. Further configurations of presentation program 120, CP 300, and/or IAP 500 across various memories are known by persons of ordinary skill in the art. The present invention may be a method, a stand alone computer program, or a plug-in to an existing computer program. Persons of ordinary skill in the art are aware of how to configure computer programs, such as those described herein, to plug into an existing computer program.

[038] FIG. 3 illustrates the outline 200 of a slide show, which is used to illustrate the concepts of the present invention. Topics may be divided into two classifications: main topics and sub-topics. A main topic is a slide that introduces a new subject. A subtopic is a slide that elaborates on the subject matter in the main topic slide. A main topic is referred to as being above a subtopic. A subtopic is referred to as being below a main topic. Regardless of the classification of the topic, proceeding from a current topic to the subsequent topic is referred to as going to the next topic. Similarly, returning to an immediately prior topic from a current topic is referred to as going to the previous topic. In FIG. 3, outline 200 contains twelve slides arranged into eight main topics. Main topic IV has three sub-topics and main topic V has one sub-topic.

[039] FIG. 4 illustrates the logic of Configuration Program (CP) 300 of the present invention. CP 300 is a program that configures the intelligent agenda of the present

invention. CP **300** starts when the user invokes the options menu for presentation program **120** (302). The user then selects the intelligent agenda option from the options menu (304). CP **300** then reads the titles from the slides in presentation program **120** (306). CP **300** queries the user to determine whether the topics are in the correct outline format (308). If the topics are in the correct outline format, CP **300** proceeds to step **312**. If the topics are not in the correct outline format, then the user reorganizes the outline of topics (310). In reorganizing the outline of topics, the user may arrange the organization of topics and subtopics. The user may also change the name of the topics as desired. CP **300** then proceeds to step **312**.

[040] At step **312**, CP **300** determines if the user wants to configure the intelligent agenda colors and lines (312). If the user does not want to configure the intelligent agenda colors and lines, CP **300** proceeds to step **316**. If the user wants to configure the intelligent agenda colors and lines, CP **300** accepts the user's configuration of the intelligent agenda colors and lines (314). The user may configure the intelligent agenda colors and lines using GUI **400** illustrated in FIG. 5. CP **300** then proceeds to step **316**.

[041] At step **316**, CP **300** determines if the user wants to configure the intelligent agenda size (316). If the user does not want to configure the intelligent agenda size, CP **300** proceeds to step **320**. If the user wants to configure the intelligent agenda size, CP **300** accepts the user's configuration of the intelligent agenda size (318). The user may configure the intelligent agenda size using GUI **400** illustrated in FIG. 6. CP **300** then proceeds to step **320**.

[042] At step **320**, CP **300** determines if the user wants to configure the intelligent agenda layout (320). If the user does not want to configure the intelligent agenda layout, CP **300** proceeds to step **324**. If the user wants to configure the intelligent agenda layout, CP **300** accepts the user's configuration of the intelligent agenda layout (322). The user may configure the intelligent agenda layout using GUI **400** illustrated in FIG. 7. CP **300** then proceeds to step **324**.

[043] At step **324**, CP **300** determines if the user wants to configure the intelligent agenda picture (324). If the user does not want to configure the intelligent agenda picture, CP **300** proceeds to step **328**. If the user wants to configure the intelligent agenda picture, CP **300** accepts the user's configuration of the intelligent agenda picture (326). The user may configure the intelligent agenda picture using GUI **400** illustrated in FIG. 8. CP **300** then proceeds to step **328**.

[044] At step **328**, CP **300** determines if the user wants to configure the intelligent agenda text box (328). If the user does not want to configure the intelligent agenda text box,

CP 300 proceeds to step 332. If the user wants to configure the intelligent agenda text box, CP 300 accepts the user's configuration of the intelligent agenda text box (330). The user may configure the intelligent agenda text box using GUI 400 illustrated in FIG. 9. CP 300 then proceeds to step 332.

[045] At step 332, CP 300 determines if the user wants to configure the intelligent agenda web options (332). If the user does not want to configure the intelligent agenda web options, CP 300 proceeds to step 336. If the user wants to configure the intelligent agenda web options, CP 300 accepts the user's configuration of the intelligent agenda web options (334). The user may configure the intelligent agenda web options using GUI 400 illustrated in FIG. 10. CP 300 then proceeds to step 336.

[046] At step 336, CP 300 determines if the user wants to configure the intelligent agenda display options (336). If the user does not want to configure the intelligent agenda display options, CP 300 proceeds to step 340. If the user wants to configure the intelligent agenda display options, CP 300 accepts the user's configuration of the intelligent agenda display options (338). The user may configure the intelligent agenda display options using GUI 400 illustrated in FIG. 11. CP 300 then proceeds to step 340. At step 340, CP 300 ends (340).

[047] FIG. 5 is an illustration of a graphical user interface (GUI) 400 that allows a user to configure the intelligent agenda of the present invention. GUI 400 contains a plurality of configuration tabs, such as colors and lines tab 410. Colors and lines tab 410 contains fill options 412, line options 414, and arrow options 416. The user may configure the background color and the transparency of the intelligent agenda using fill options 412. The user may configure the color, style, and thickness of the lines used to separate the intelligent agenda from the remainder of the slide using line options 414. The user may configure the style and size of the pointer arrow that indicates the current topic or subtopic on the intelligent agenda using arrow options 416. The user may accept the configuration options by clicking the "OK" button or may cancel the configuration options by clicking the "Cancel" button. Persons of ordinary skill in the art will appreciate that other options can be configured on colors and lines tab 410.

[048] FIG. 6 is an illustration of GUI 400 displaying size tab 420. Size tab 420 allows a user to configure the size of the intelligent agenda of the present invention. Size tab 420 contains size and rotate options 422, scale options 424, and original size data 426. Size and rotate options 422 allow a user to configure the height and width of the intelligent agenda. Size and rotate options 422 also allow the user to rotate the intelligent agenda, if desired. Scale options 424 allow the user to modify the height and width of

the intelligent agenda by changing the relative size of the intelligent agenda. Scale options **424** also allow a user to lock the aspect ratio (ratio of height to width) of the intelligent agenda. Scale options **424** also allow a user to change the height and width relative to the original picture size. Original size data **426** is the original size of the intelligent agenda and can be used by the user as a reference when modifying the size of the intelligent agenda. The “Reset” button allows the user to reset the size of the intelligent agenda to the size described in original size data **426**. The user may accept the configuration options by clicking the “OK” button or may cancel the configuration options by clicking the “Cancel” button. Persons of ordinary skill in the art will appreciate that other options can be configured on size tab **420**.

[049] FIG. 7 is an illustration of GUI **400** displaying layout tab **430**. Layout tab **430** allows a user to configure the layout of the intelligent agenda of the present invention. Layout tab **430** contains wrapping style options **432**, horizontal alignment options **434**, and position on slide options **436**. Wrapping style options **432** allow a user to configure how the intelligent agenda interacts with the text in the slides. Possible wrapping options are in-line with the text, square, tight, behind text, and in front of text. Horizontal alignment options **434** allow the user to specify the horizontal alignment of the intelligent agenda. Possible horizontal alignments are left, center, right, and other. Persons skilled in the art will appreciate that layout tab **430** may be configured with similar options for the vertical alignment of the intelligent agenda. If the user selects “other” for the horizontal alignment option **434**, then the user must specify the horizontal alignment using position on slide options **436**. The user can also specify the vertical position of the intelligent agenda using position on slide options **436**. The user may accept the configuration options by clicking the “OK” button or may cancel the configuration options by clicking the “Cancel” button. Persons of ordinary skill in the art will appreciate that other options can be configured on layout tab **430**.

[050] FIG. 8 is an illustration of GUI **400** displaying picture tab **440**. The intelligent agenda of the present invention may be configured with a picture from an image file such as a .jpg, .gif, or .bmp file. The image file may be stored on the Internet and accessed by the intelligent agenda of the present invention. Picture tab **440** allows a user to configure the picture of the intelligent agenda of the present invention. Picture tab **440** contains crop from options **442** and image control options **444**. Crop from options **442** allow the user to crop a portion of a picture from a larger picture. Image control options **444** allow the user to control the color, brightness, and contrast of the

picture used in the background of the intelligent agenda. The “Compress” button allows the user to compress or stretch the image as desired. The ‘Reset’ button allows the user to reset the color, brightness, and contrast settings after the user has modified the color, brightness, and contrast settings. The user may accept the configuration options by dicking the “OK” button or may cancel the configuration options by dicking the “Cancel” button. Persons of ordinary skill in the art will appreciate that other options can be configured on picture tab **440**.

[051] FIG. 9 is an illustration of GUI **400** displaying text box tab **450**. Text box tab **450** allows a user to configure the text display area within the intelligent agenda of the present invention. Text box tab **450** contains internal margin options **452**. Internal margin options **452** allows the user to set the top, bottom, left, and right margins inside the intelligent agenda. The user may also select a checkbox to word wrap the text of the intelligent agenda. Additionally, the user may select a checkbox to resize the dimensions of the intelligent agenda to fit the text within the intelligent agenda. The user may select the “Format Callout” button to format the text of the intelligent agenda. The user may select the “Convert to Frame” button to convert the text box of the intelligent agenda into a frame. The user may accept the configuration options by dicking the “OK” button or may cancel the configuration options by dicking the “Cancel” button. Persons of ordinary skill in the art will appreciate that other options can be configured on text box tab **450**.

[052] FIG. 10 is an illustration of GUI **400** displaying web tab **460**. As part of the present invention, the intelligent agenda can be configured with a picture stored on the Internet. Web tab **460** allows a user to configure an alternative message to display when the Internet image is loading or unavailable. Web tab **460** contains alternative text options **462**. Alternative text options allow the user to enter text to display when the image from the Internet cannot be displayed. The user may accept the configuration options by dicking the “OK” button or may cancel the configuration options by dicking the “Cancel” button. Persons of ordinary skill in the art will appreciate that other options can be configured on web tab **460**.

[053] FIG. 11 is an illustration of GUI **400** displaying display options tab **470**. Display options tab **470** allows a user to configure the display and expansion of the outline of the intelligent agenda of the present invention. Display options tab **470** contains expansion options **472**, limiting the number of lines options **474**, and limiting the displayed outline options **476**. Expansion options **472** allow the user to select a checkbox that will expand the outline beyond the main topics. The user may choose to

expand the entire outline or may choose only to expand a certain number of levels of the outline. The user may also select a checkbox that will instruct the presentation program to only expand the current topic.

[054] Limiting the number of lines options **474** allows the user to limit the number of lines displayed on the intelligent agenda. By selecting the checkbox for limiting the number of lines options **474**, the user can configure the total number of lines displayed on the intelligent agenda. When the number of lines in the outline exceeds the number of display lines configured in limiting the number of lines options **474**, the user must select a method for determining the lines that will be displayed. The user may choose a radio button that displays the adjacent topics regardless of the topic classification (i.e. main topic or subtopic) This option is useful when the audience needs to see what is immediately before and after the current topic. Alternatively, the user can select a radio button that displays the main topic and sub-topics above the current topic, and then displays other adjacent topics as permitted. For example, if the user is currently on the seventh slide on FIG. 3 (i.e. IV. C. Examples), has limited the number of displayed lines to five, and has selected the second display option, then the invention will display the topics from the fourth through eighth slides on the intelligent agenda. The present invention displays the seventh slide's topic on the outline because that is the current slide. The present invention also displays the fourth slide's topic on the outline because the fourth slide is above the current slide. Because there are no more topics above the fourth slide, the invention displays the topics for the slides that are adjacent to the current slide: the fifth, sixth, and eighth slides. The second option is useful when the audience needs to know the contextual placement of the current slide.

[055] Limiting the displayed outline options **476** allows the user to configure the display of the outline of the intelligent agenda such that only the desired outline topics are displayed. The user may select a checkbox to display the topics before the current topic. This is a useful option when the audience needs to see what outline topics have already been covered in the presentation. The user may also select a checkbox to display the topics after the current topic. This is a useful option when the audience needs to see what outline topics will be covered next in the presentation. Selecting neither checkbox allows the intelligent agenda to only display the current topic. Selecting both checkboxes allows the intelligent agenda to display the topics before and after the current topic, subject to the limitations in limiting the number of lines options **474**. The user may accept the configuration options by clicking the "OK" button or may cancel the configuration options by clicking the "Cancel" button.

Persons of ordinary skill in the art will appreciate that other options can be configured on display options tab **470**.

[056] FIG. 12 illustrates the logic of the Intelligent Agenda Program (IAP) **500** of the present invention. IAP **500** is a computer program that displays the intelligent agenda on the slides of presentation program **120**. IAP **500** displays the intelligent agenda according to the configuration selected by the user in CP **300**. IAP **500** starts when the user runs presentation program **120** (502) IAP **500** then displays the first slide of the slide show (504) IAP **500** then determines whether the user has configured the display options (506) The user can configure the display options using display options tab **470**. If the user has not configured the display options, then IAP **500** displays all of the topics in the outline (508) and proceeds to step **522**. If the user has configured the display options, then IAP **500** determines whether the user has configured the expansion options (510) If the user has not configured the expansion options, then IAP **500** proceeds to step **514**. If the user has configured the expansion options, then IAP **500** displays the expanded outline according the configuration options selected by the user (512) IAP **500** then proceeds to step **514**.

[057] At step **514**, IAP **500** determines whether the user has limited the number of displayed lines (514) If the user has not limited the number of displayed lines, then IAP **500** proceeds to step **518**. If the user has limited the number of displayed lines, then IAP **500** modifies and/or displays the outline according to the configuration options selected by the user (516) At step **516**, IAP **500** will display the outline if the outline was not displayed in step **512**. At step **516**, IAP **500** will modify the outline if the outline was displayed in step **512**. IAP **500** then proceeds to step **518**.

[058] At step **518**, IAP **500** determines whether the user has limited the display of prior and subsequent topics (518) If the user has not limited the display of prior and subsequent topics, then IAP **500** proceeds to step **522**. If the user has limited the display of prior and subsequent topics, then IAP **500** modifies and/or displays the outline according the configuration options selected by the user (520) At step **520**, IAP **500** will display the outline if the outline was not displayed in step **512** or step **516** . At step **520**, IAP **500** will modify the outline if the outline was displayed in step **512** or step **516**. IAP **500** then proceeds to step **522**.

[059] At step **522**, IAP **500** determines if there are slides remaining in the slide show (522) If there are not any slides remaining, IAP **500** ends (528) If there are slides remaining, then IAP **500** waits for the user to navigate the slides (524) The user may navigate the slides by choosing the next slide, the previous slide, or any slide in the

slide show. When the user navigates the slides, IAP 500 displays the slide chosen by the user (i.e. the next, previous, or selected slide) and returns to step 506.

[060] FIGS. 13A, 13B, 13C, and 13D illustrate the progression of the pointer down the outline of the intelligent agenda of the present invention. The intelligent agenda is the outline presented in the lower left corner of the slides. As the user navigates from one slide to another, the pointer indicates the current topic that the user is discussing. Additionally, the current topic is presented in bold on the intelligent agenda. FIGS. 13A through 13D are used for comparison to FIGS. 14 through 20.

[061] FIG. 14 illustrates the intelligent agenda modified using the colors and lines tab 410. The background color of the outline has been removed in FIG. 14.

[062] FIG. 15 illustrates the intelligent agenda modified using layout tab 430. The intelligent agenda has been moved from the lower left corner to the lower right corner.

[063] FIG. 16 illustrates the intelligent agenda modified using expansion options 472 in display options tab 470. Specifically, in FIG. 16 the intelligent agenda expands the outline for the current sub-topic. In FIG. 16, the intelligent agenda is also configured such the main topic is bold and indicated by the pointer, but the current sub-topic is only bold. When the user navigates to the next slide, the “Details” item will no longer be bold and the “Supporting Info” outline item will become bold.

[064] FIGS. 17 and 18 illustrate the intelligent agenda modified using limiting the number of lines options 474 in display options tab 470. Specifically, in FIGS. 17 and 18 the number of lines has been limited to five. FIG. 17 illustrates the first of the two display methodologies in limiting the number of lines options 474. FIG. 18 illustrates the second of the two display methodologies in limiting the number of lines options 474.

[065] FIGS. 19 and 20 illustrate the intelligent agenda modified using limiting the displayed outline options 476 in display options tab 470. Specifically, in FIG. 19 the user has selected to display the topics after the current topic, but not the topics before the current topic. In FIG. 20, the user has selected to display the topics before the current topic, but not the topics after the current topic.

[066] In an alternative embodiment of the present invention, the intelligent agenda can be configured with a timer that indicates the approximate length of each outline item and/or the approximate length of the presentation. This embodiment is useful when the audience needs to know the time remaining in a particular topic or for the entire presentation.

[067] With respect to the above description, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size,

materials, shape, form, function, manner of operation, assembly, and use are deemed readily apparent and obvious to one of ordinary skill in the art. The present invention encompasses all equivalent relationships to those illustrated in the drawings and described in the specification. The novel spirit of the present invention is still embodied by reordering or deleting some of the steps contained in this disclosure. The spirit of the invention is not meant to be limited in any way except by proper construction of the following claims.

Claims

- [001] A method for deploying an intelligent agenda program on a computer, the method comprising the steps of: installing the intelligent agenda program on the computer; wherein the intelligent agenda program displays an outline on a plurality of slides created by a presentation program; and wherein the outline displays a contextual location of a current slide in a presentation.
- [002] The method of claim 1 wherein the intelligent agenda program automatically creates the outline from a title of each of the slides.
- [003] The method of claim 1 wherein the intelligent agenda program comprises the steps of: accepting a user configured format of the outline; and displaying the outline on the slides in the user configured format.
- [004] The method of claim 3 wherein the intelligent agenda program comprises the steps of: determining whether a user has configured a display option; and responsive to the determination that the user has not configured the display option, displaying the outline with all of the topics in the outline expanded.
- [005] The method of claim 3 wherein the intelligent agenda program comprises the steps of: responsive to the determination that the user has configured the display option, determining whether the user has selected an outline expansion option; and responsive to the determination that the user has selected the outline expansion option, displaying the outline according to the outline expansion option selected by the user.
- [006] The method of claim 5 wherein the outline expansion option is to expand all levels of the outline.
- [007] The method of claim 5 wherein the outline expansion option is to expand a user-configurable number of levels of the outline.
- [008] The method of claim 5 wherein the outline expansion option is to expand only the current topic in an outline.
- [009] The method of claim 3 wherein the intelligent agenda program comprises the steps of: responsive to the determination that the user has configured the display option, determining whether the user has limited the number of displayed lines on the outline; and responsive to the determination that the user has limited the number of lines on the outline, modifying the outline to the number of displayed lines limited by the user.
- [010] The method of claim 9 wherein the immediately adjacent topics are displayed in

any remaining lines.

[011] The method of claim 9 wherein the topics above the current topic are displayed, subject to the user limited number of lines, and then the immediately adjacent topics are displayed, subject to the user limited number of lines.

[012] The method of claim 3 wherein the intelligent agenda program comprises the steps of: responsive to the determination that the user has configured the display option, determining whether the user has limited the type of displayed topics on the outline; and responsive to the determination that the user has limited the number of topics on the outline, modifying the outline to the type of displayed topics limited by the user.

[013] The method of claim 12 wherein the outline does not display the previous topics.

[014] The method of claim 12 wherein the outline does not display the subsequent topics.

[015] The method of claim 3 wherein the user configured format is a color and a line associated with the outline.

[016] The method of claim 3 wherein the user configured format is a size of the outline.

[017] The method of claim 3 wherein the user configured format is a layout of the outline.

[018] The method of claim 3 wherein the user configured format is a picture associated with the outline.

[019] The method of claim 3 wherein the user configured format is a text box associated with the outline.

[020] The method of claim 3 wherein the user configured format is a web message associated with the outline.

[021] The method of claim 3 wherein the intelligent agenda contains a timer displaying the approximate duration of each slide.

[022] A program product operable on a computer comprising: a computer-readable medium; an intelligent agenda program installed on the computer-readable medium; wherein the intelligent agenda program displays an outline on a plurality of slides created by a presentation program; and wherein the outline displays a contextual location of a current slide in a presentation.

[023] The program product of claim 22 wherein the intelligent agenda program automatically creates the outline from a title of each of the slides.

[024] The program product of claim 22 wherein the intelligent agenda program

comprises: instructions for accepting a user configured format of the outline; and instructions for displaying the outline on the slides in the user configured format.

[025] The program product of claim 24 wherein the intelligent agenda program comprises: instructions for determining whether a user has configured a display option; and responsive to the determination that the user has not configured the display option, instructions for displaying the outline with all of the topics in the outline expanded.

[026] The program product of claim 24 wherein the intelligent agenda program comprises: responsive to the determination that the user has configured the display option, instructions for determining whether the user has selected an outline expansion option; and responsive to the determination that the user has selected the outline expansion option, instructions for displaying the outline according to the outline expansion option selected by the user.

[027] The program product of claim 26 wherein the outline expansion option is to expand all levels of the outline.

[028] The program product of claim 26 wherein the outline expansion option is to expand a user-configurable number of levels of the outline.

[029] The program product of claim 26 wherein the outline expansion option is to expand only the current topic in an outline.

[030] The program product of claim 24 wherein the intelligent agenda program comprises: responsive to the determination that the user has configured the display option, instructions for determining whether the user has limited the number of displayed lines on the outline; and responsive to the determination that the user has limited the number of lines on the outline, instructions for modifying the outline to the number of displayed lines limited by the user.

[031] The program product of claim 30 wherein the immediately adjacent topics are displayed in any remaining lines.

[032] The program product of claim 30 wherein the topics above the current topic are displayed, subject to the user limited number of lines, and then the immediately adjacent topics are displayed, subject to the user limited number of lines.

[033] The program product of claim 24 wherein the intelligent agenda program comprises: responsive to the determination that the user has configured the display option, instructions for determining whether the user has limited the type of displayed topics on the outline; and responsive to the determination that the user has limited the number of topics on the outline, instructions for modifying

the outline to the type of displayed topics limited by the user.

[034] The program product of claim 33 wherein the outline does not display the previous topics.

[035] The program product of claim 33 wherein the outline does not display the subsequent topics.

[036] The program product of claim 24 wherein the user configured format is a color and a line associated with the outline.

[037] The program product of claim 24 wherein the user configured format is a size of the outline.

[038] The program product of claim 24 wherein the user configured format is a layout of the outline.

[039] The program product of claim 24 wherein the user configured format is a picture associated with the outline.

[040] The program product of claim 24 wherein the user configured format is a text box associated with the outline.

[041] The program product of claim 24 wherein the user configured format is a web message associated with the outline.

[042] The program product of claim 24 wherein the intelligent agenda contains a timer displaying the approximate duration of each slide.

[043] An apparatus that displays an outline on a plurality of slides created by a presentation program, the apparatus comprising: means for accepting a user configured format of the outline; means for displaying the outline on the slides in the user configured format; means for determining whether a user has configured a display option; responsive to the determination that the user has not configured the display option, means for displaying the outline with all of the topics in the outline expanded; responsive to the determination that the user has configured the display option, means for determining whether the user has selected an outline expansion option; responsive to the determination that the user has selected the outline expansion option, means for displaying the outline according to the outline expansion option selected by the user; responsive to the determination that the user has configured the display option, means for determining whether the user has limited the number of displayed lines on the outline; responsive to the determination that the user has limited the number of lines on the outline, means for modifying the outline to the number of displayed lines limited by the user; responsive to the determination that the user has

configured the display option, means for determining whether the user has limited the type of displayed topics on the outline; responsive to the determination that the user has limited the number of topics on the outline, means for modifying the outline to the type of displayed topics limited by the user; wherein the intelligent agenda contains a timer displaying the approximate duration of each slide; wherein the outline displays a contextual location of a current slide in a presentation; and wherein the intelligent agenda program automatically creates the outline from a title of each of the slides.

- [044] The apparatus of claim 43 wherein the outline expansion option is to expand all levels of the outline.
- [045] The apparatus of claim 43 wherein the outline expansion option is to expand a user-configurable number of levels of the outline.
- [046] The apparatus of claim 43 wherein the outline expansion option is to expand only the current topic in an outline.
- [047] The apparatus of claim 43 wherein the immediately adjacent topics are displayed in any remaining lines.
- [048] The apparatus of claim 43 wherein the topics above the current topic are displayed, subject to the user limited number of lines, and then the immediately adjacent topics are displayed, subject to the user limited number of lines.
- [049] The apparatus of claim 43 wherein the outline does not display the previous topics.
- [050] The apparatus of claim 43 wherein the outline does not display the subsequent topics.
- [051] The apparatus of claim 43 wherein the user configured format is a color and a line associated with the outline.
- [052] The apparatus of claim 43 wherein the user configured format is a size of the outline.
- [053] The apparatus of claim 43 wherein the user configured format is a layout of the outline.
- [054] The apparatus of claim 43 wherein the user configured format is a picture associated with the outline.
- [055] The apparatus of claim 43 wherein the user configured format is a text box associated with the outline.
- [056] The apparatus of claim 43 wherein the user configured format is a web message associated with the outline.

[057] A computer program comprising program code for controlling operations of a data processing apparatus on which the program code executes, to generate and update a representation of a contextual location of a current slide in a plurality of slides of a presentation, wherein the program code comprises: program code, responsive to a selection of text within each of the plurality of slides, for generating an agenda comprising the selected text of the plurality of slides; and program code for displaying a representation of the agenda in association with each slide of the plurality of slides, wherein the displayed representation of the agenda includes an indication of the contextual location of a currently displayed slide in the plurality of slides.

[058] The computer program of claim 57, further comprising program code for automatically selecting text within each of the plurality of slides.

[059] The computer program of claim 58, wherein the step of automatically selecting text comprises identifying a title within each of the plurality of slides.

[060] A method for generating and updating a representation of a contextual location of a current slide in a plurality of slides of a computer-generated presentation, the method comprising the computer-implemented steps of: responsive to a selection of text within each of the plurality of slides, generating an agenda comprising the selected text of the plurality of slides; and displaying a representation of the agenda in association with each slide of the plurality of slides, wherein the displayed representation of the agenda includes an indication of the contextual location of a currently displayed slide in the plurality of slides.

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[Fig.]

FIG. 1

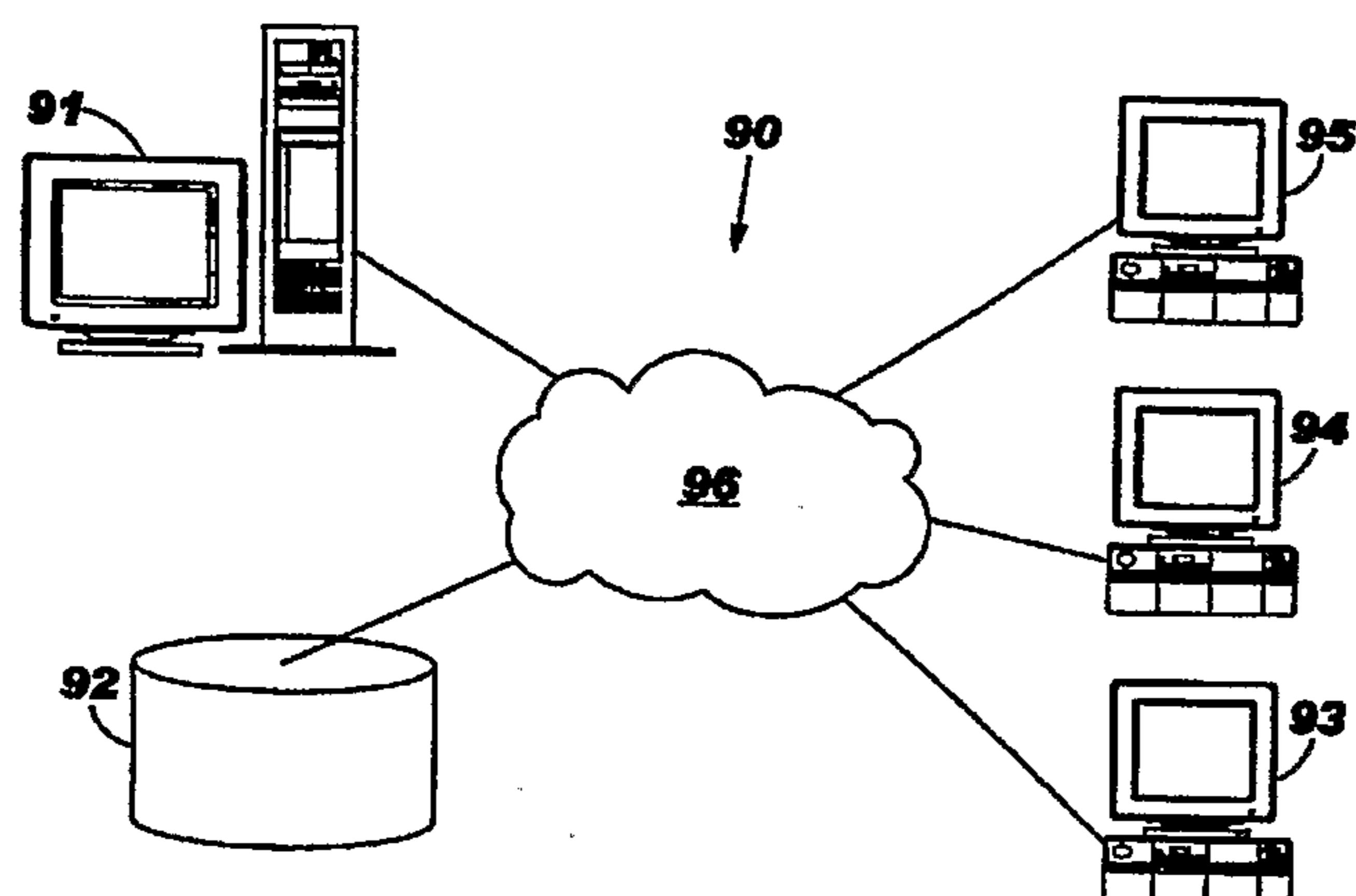
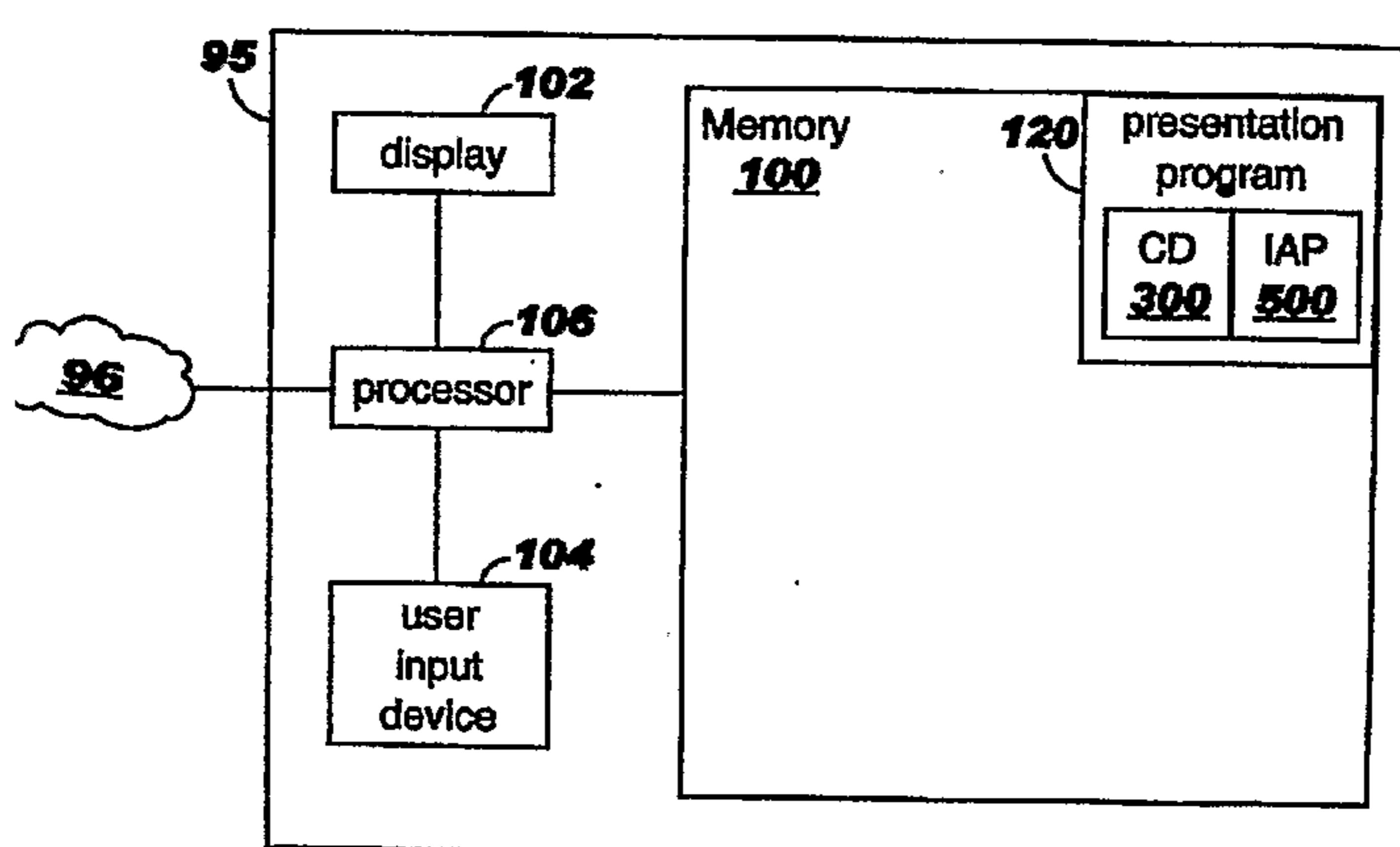
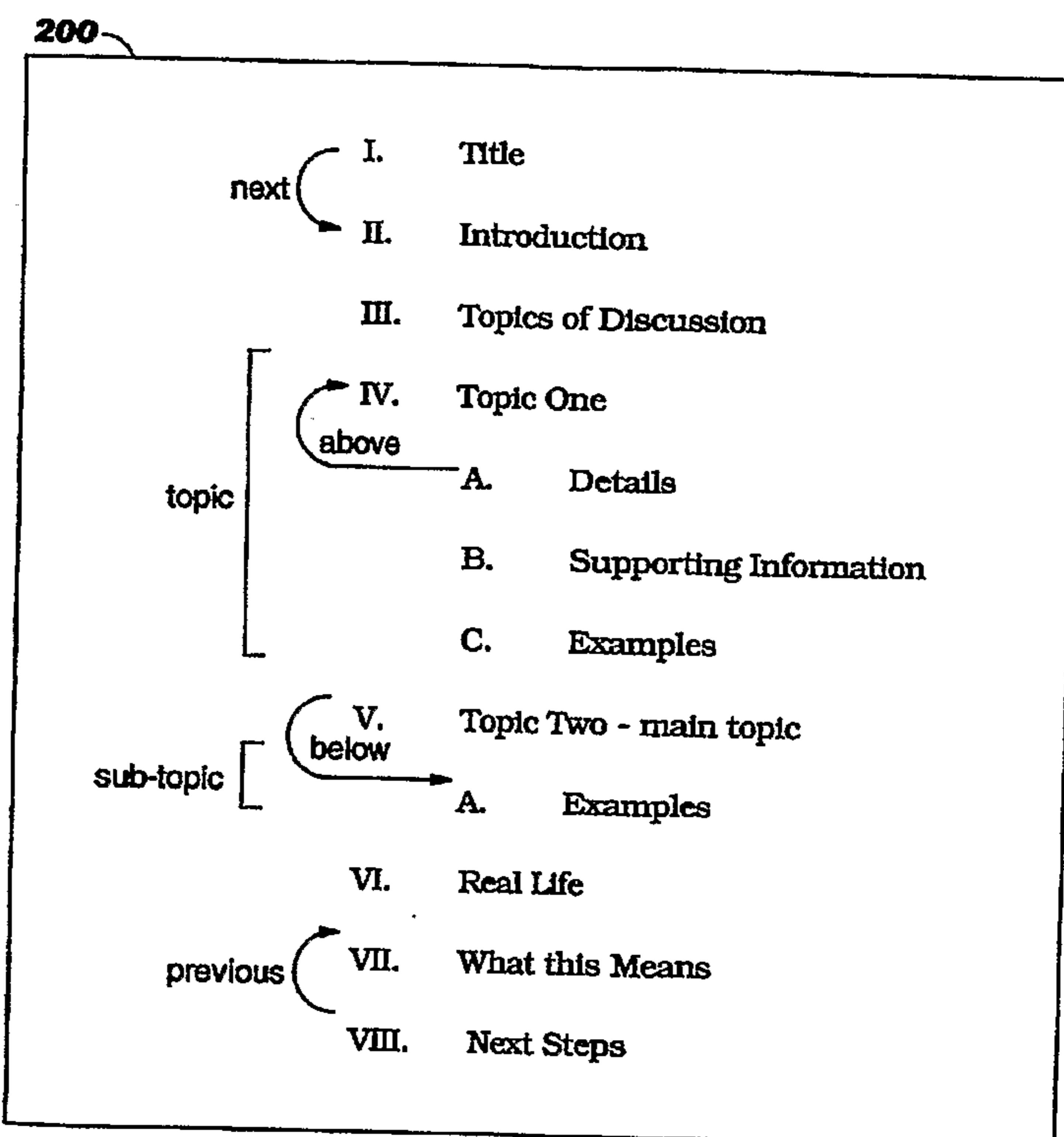


FIG. 2



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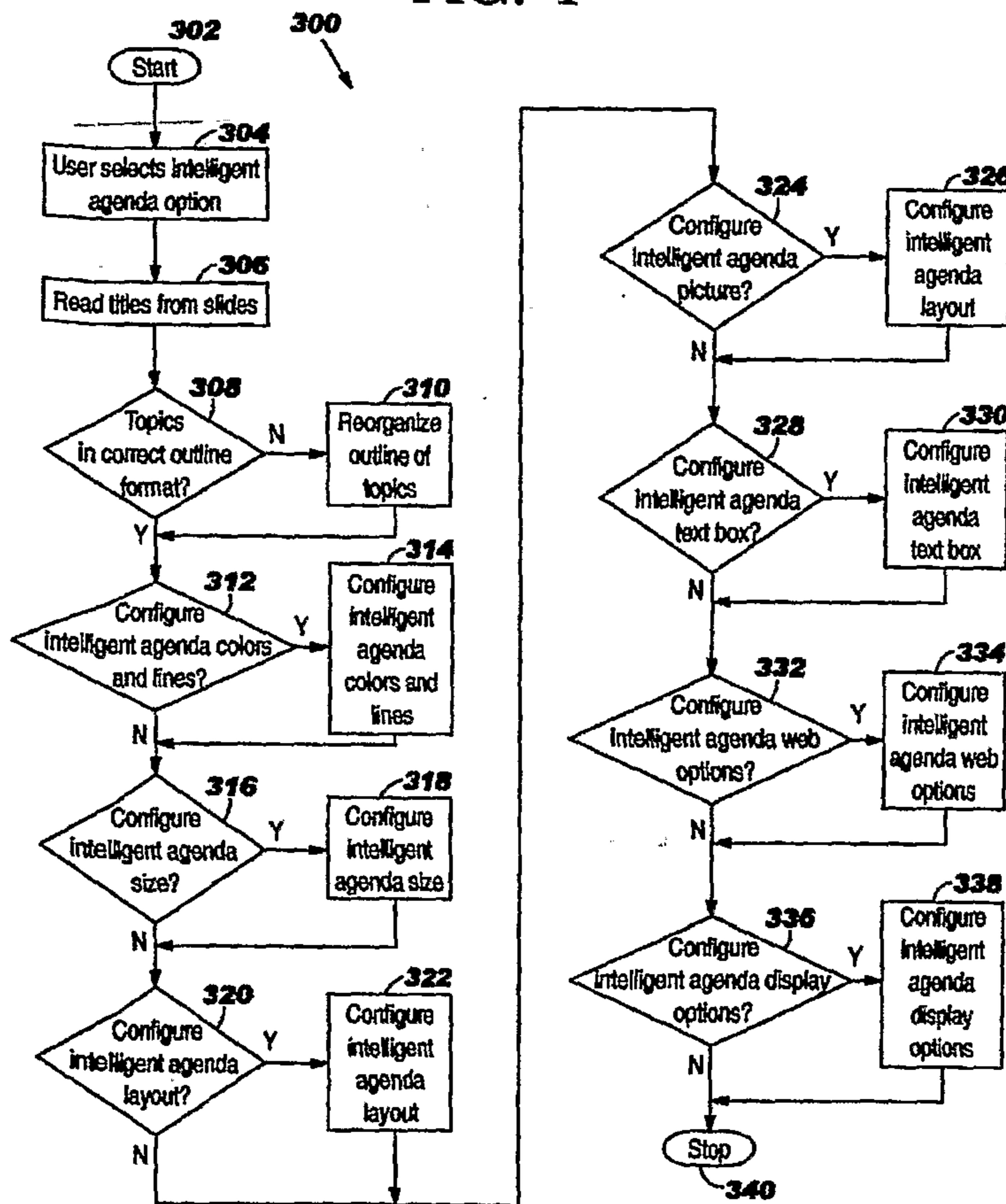
[Fig.]

FIG. 3

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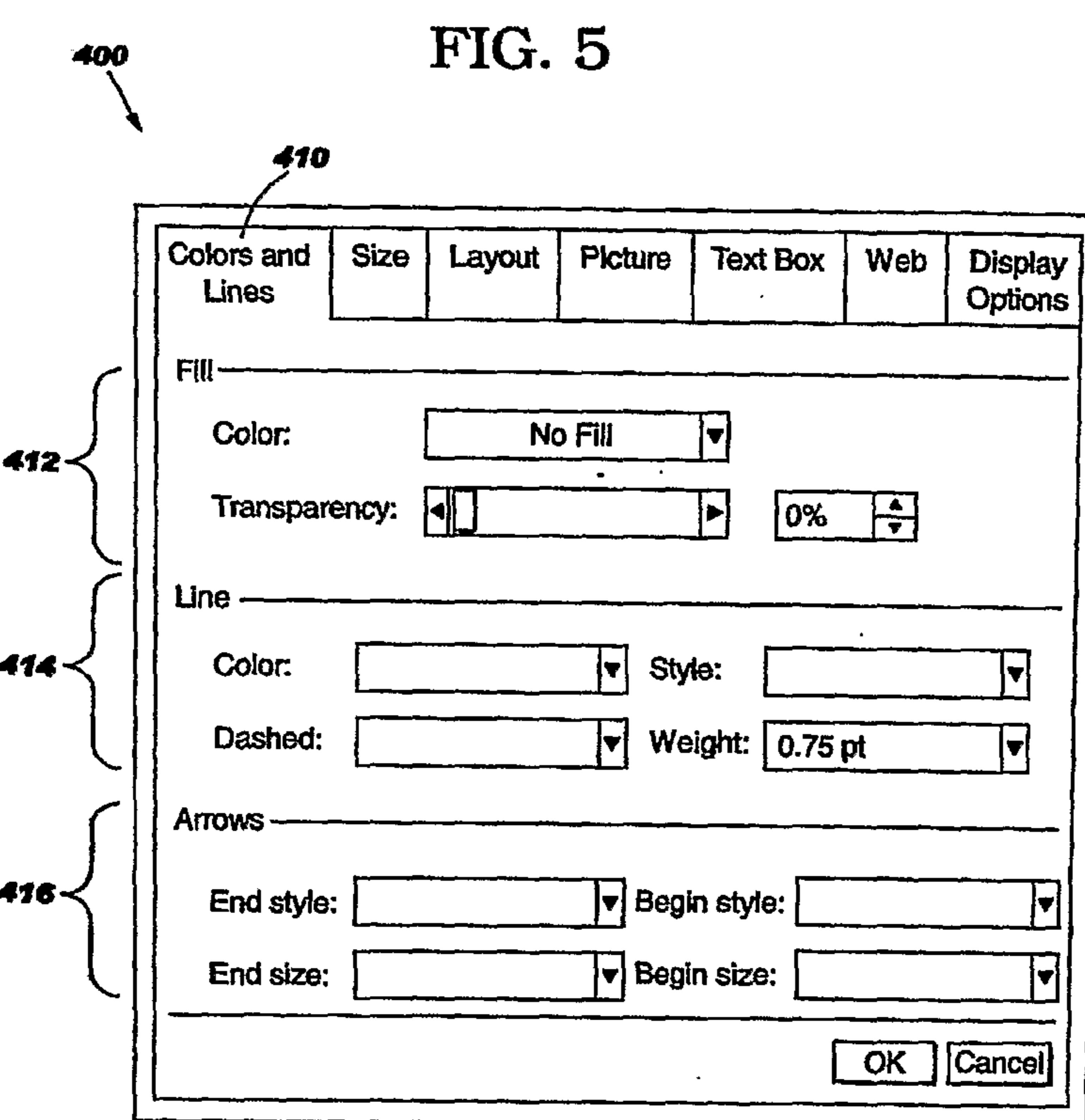
[Fig.]

FIG. 4



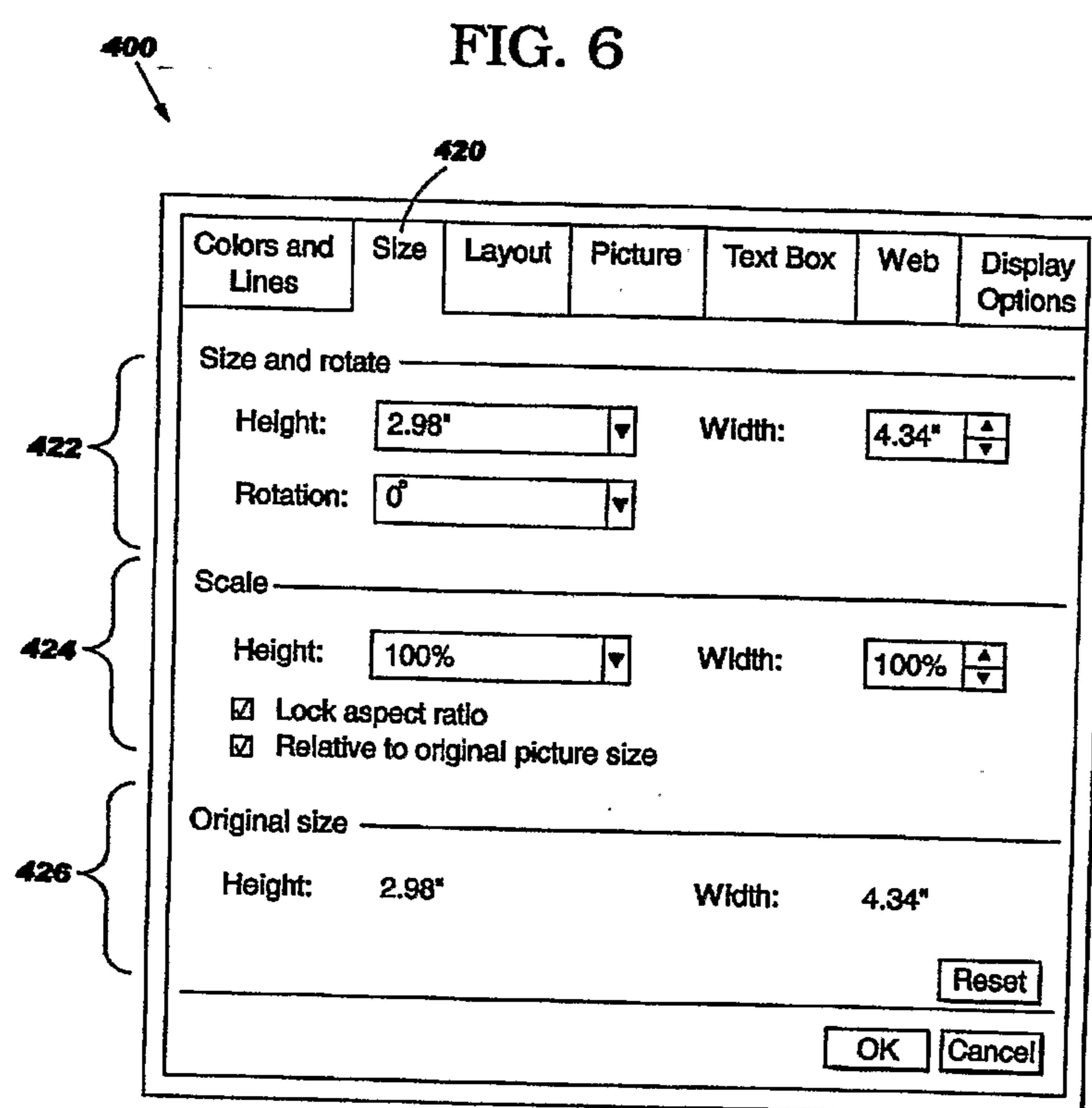
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[Fig.]



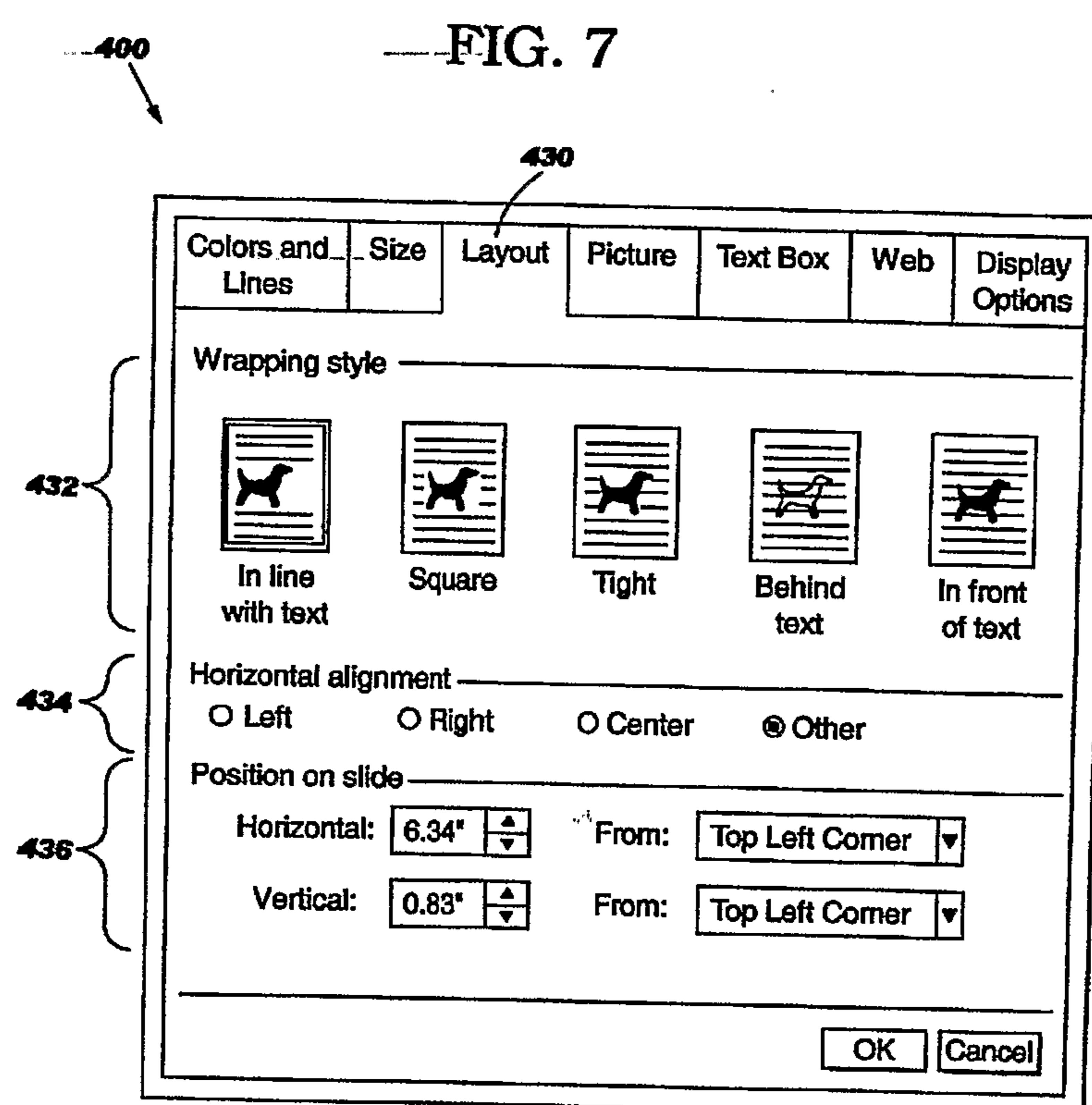
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[Fig.]



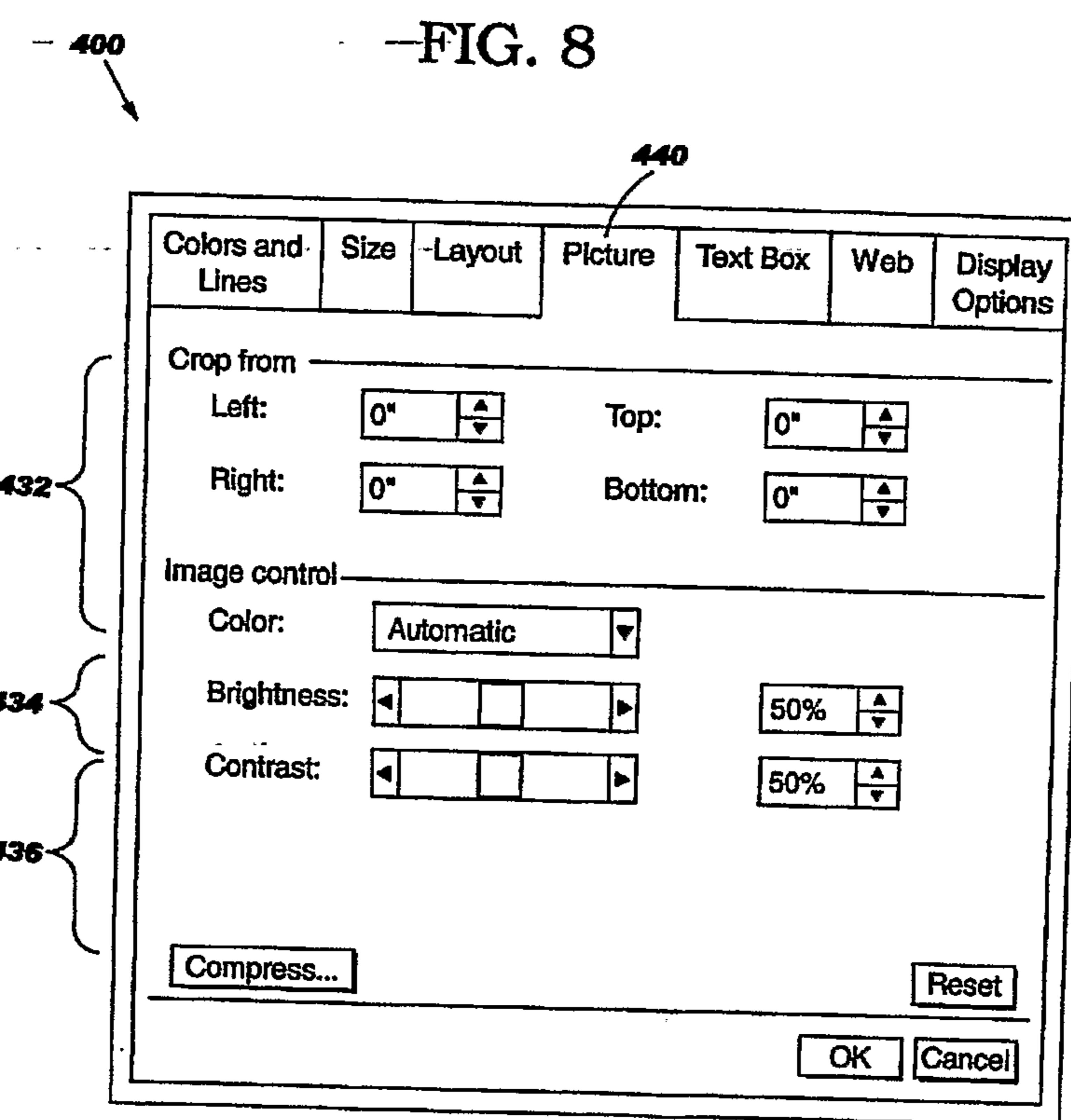
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[Fig.]



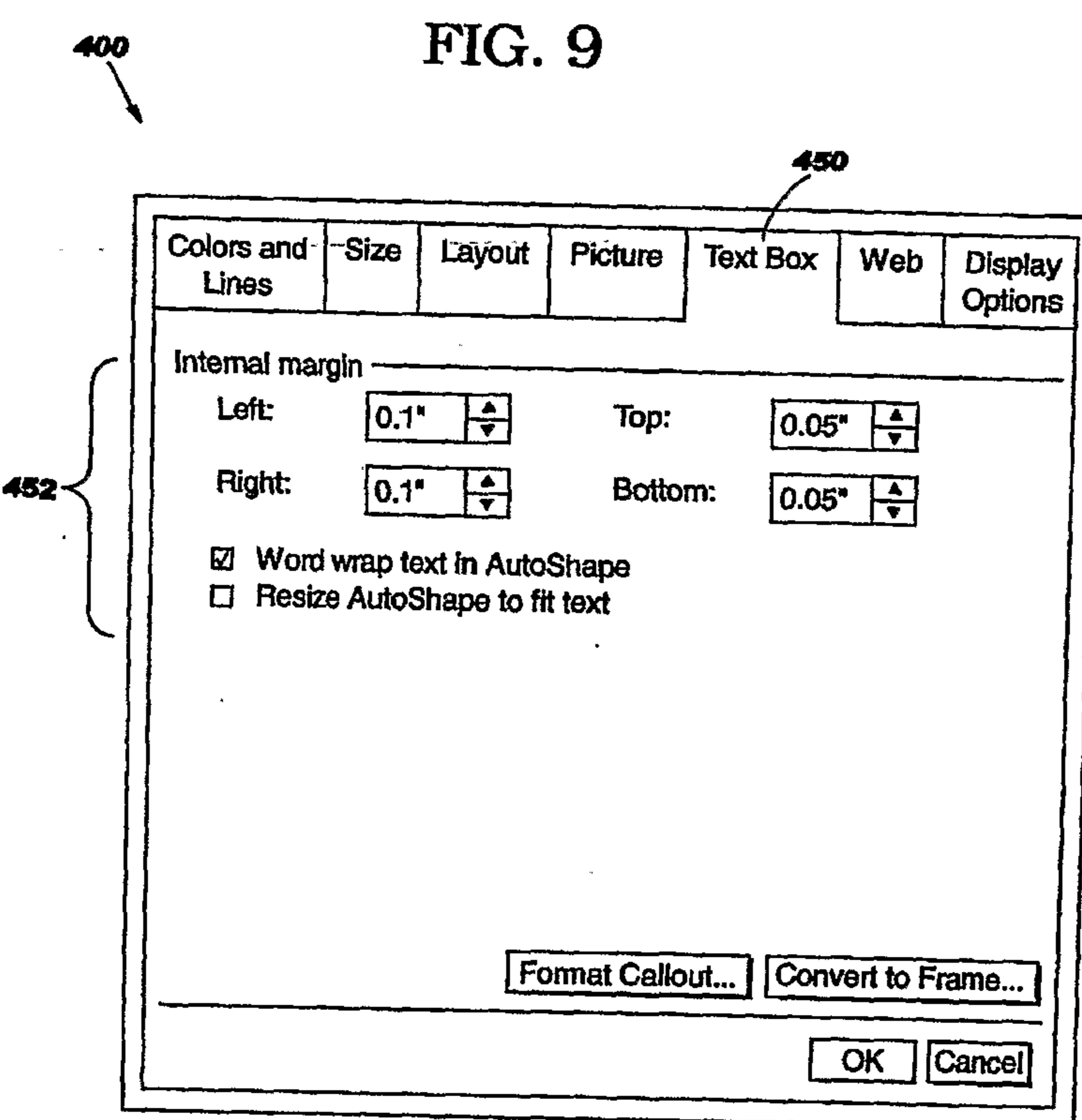
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[Fig.]



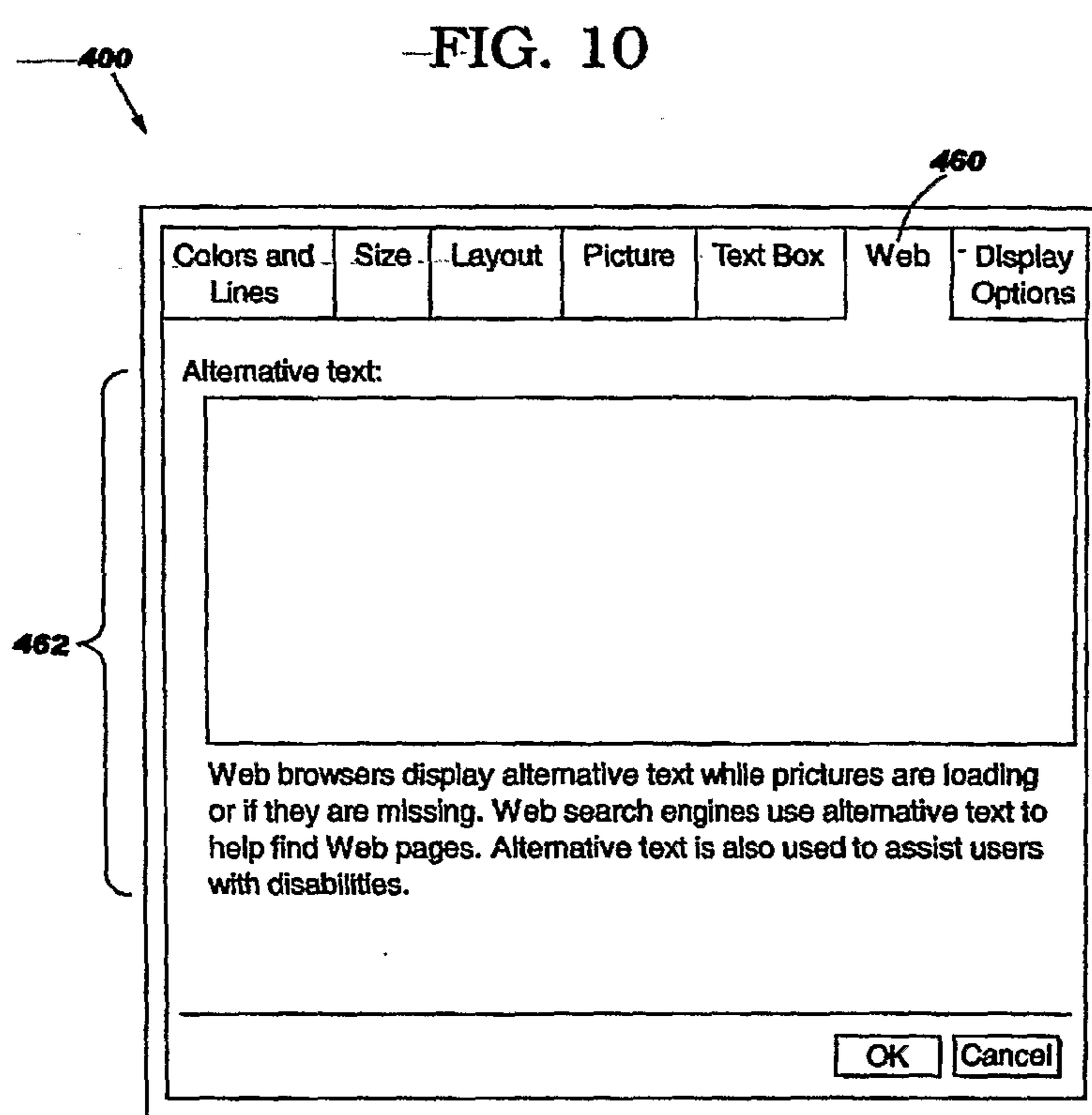
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[Fig.]



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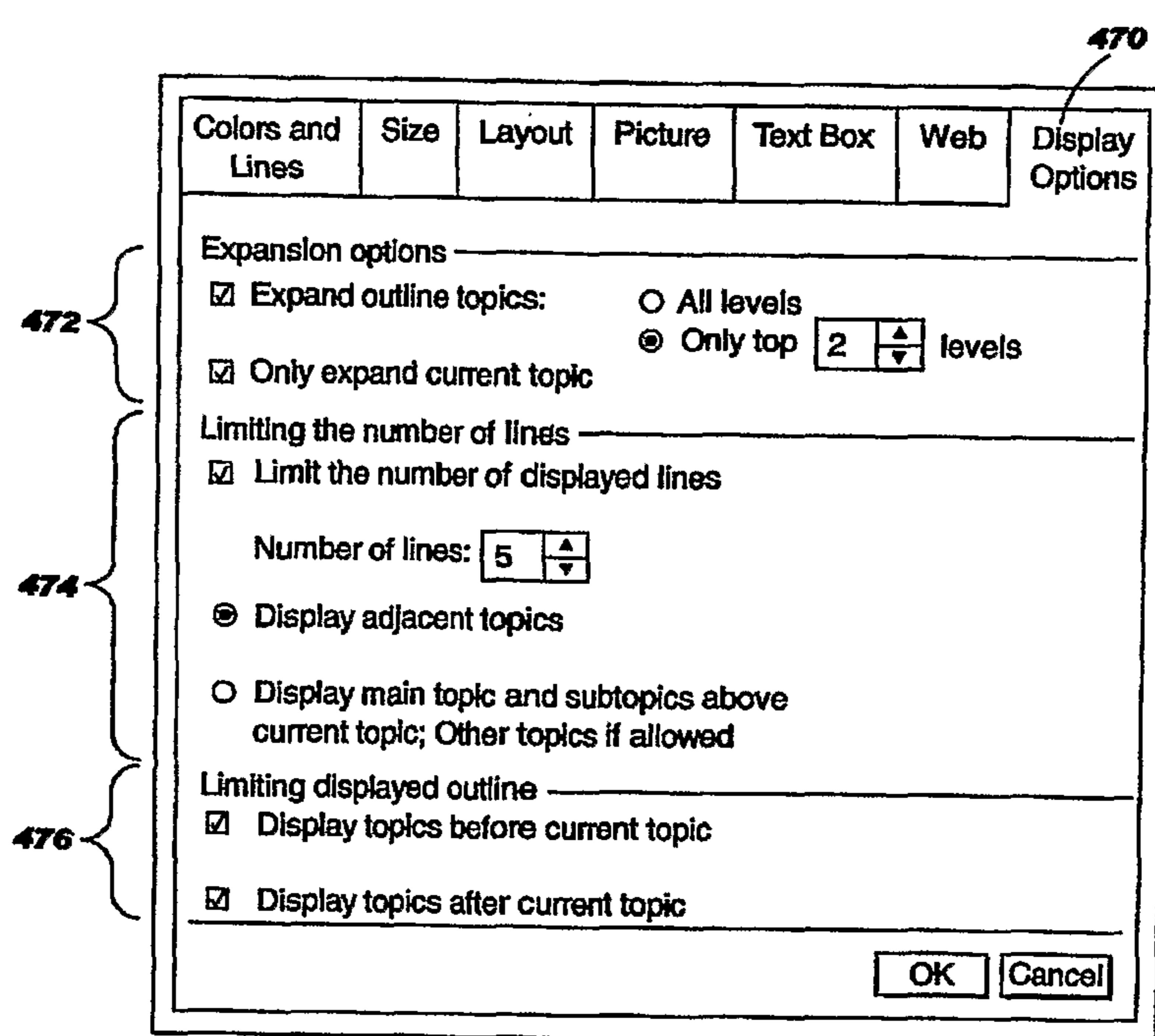
[Fig.]



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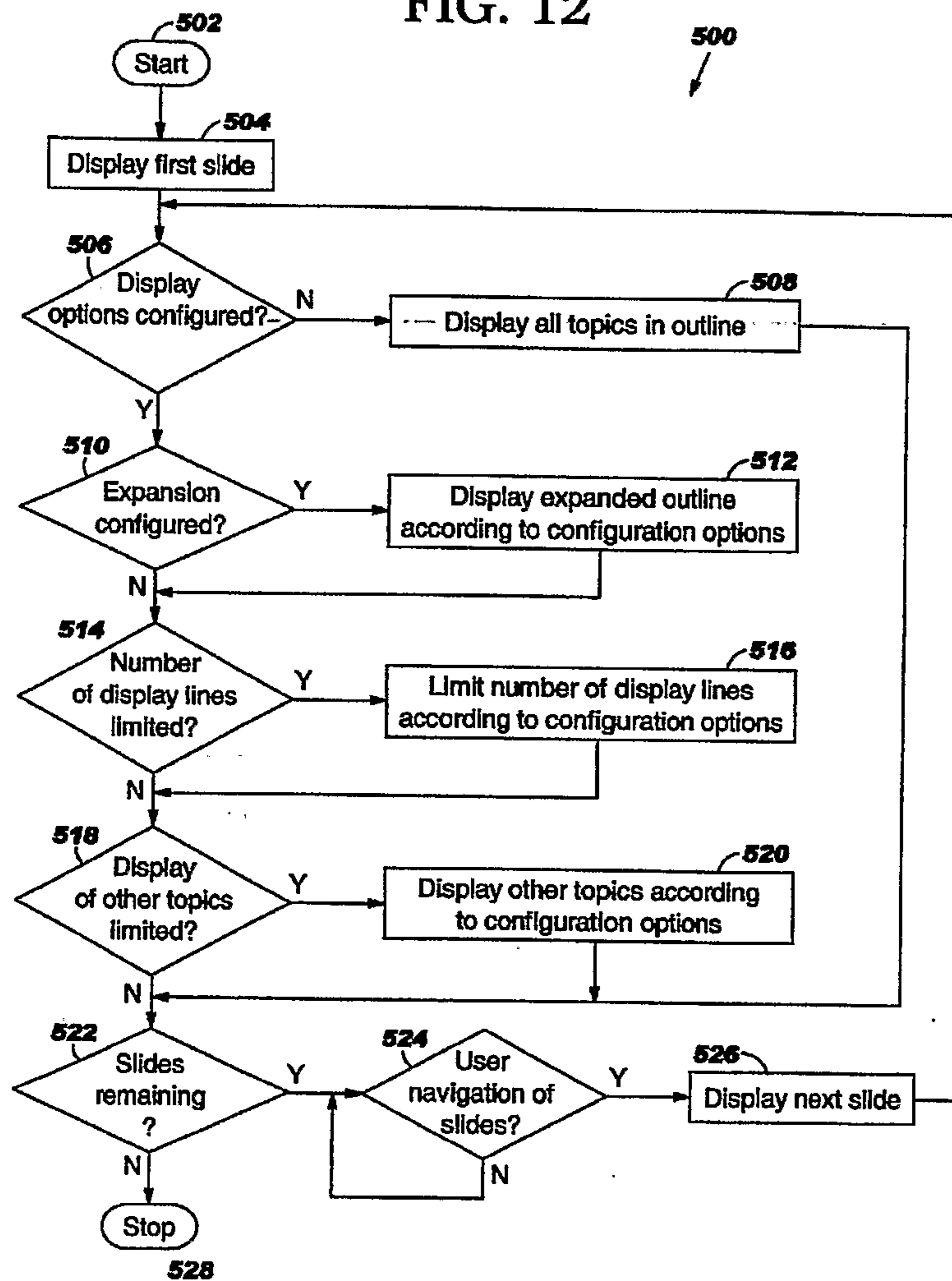
[Fig.]

FIG. 11



[Fig.]

FIG. 12



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[Fig. 1]

FIG. 13A

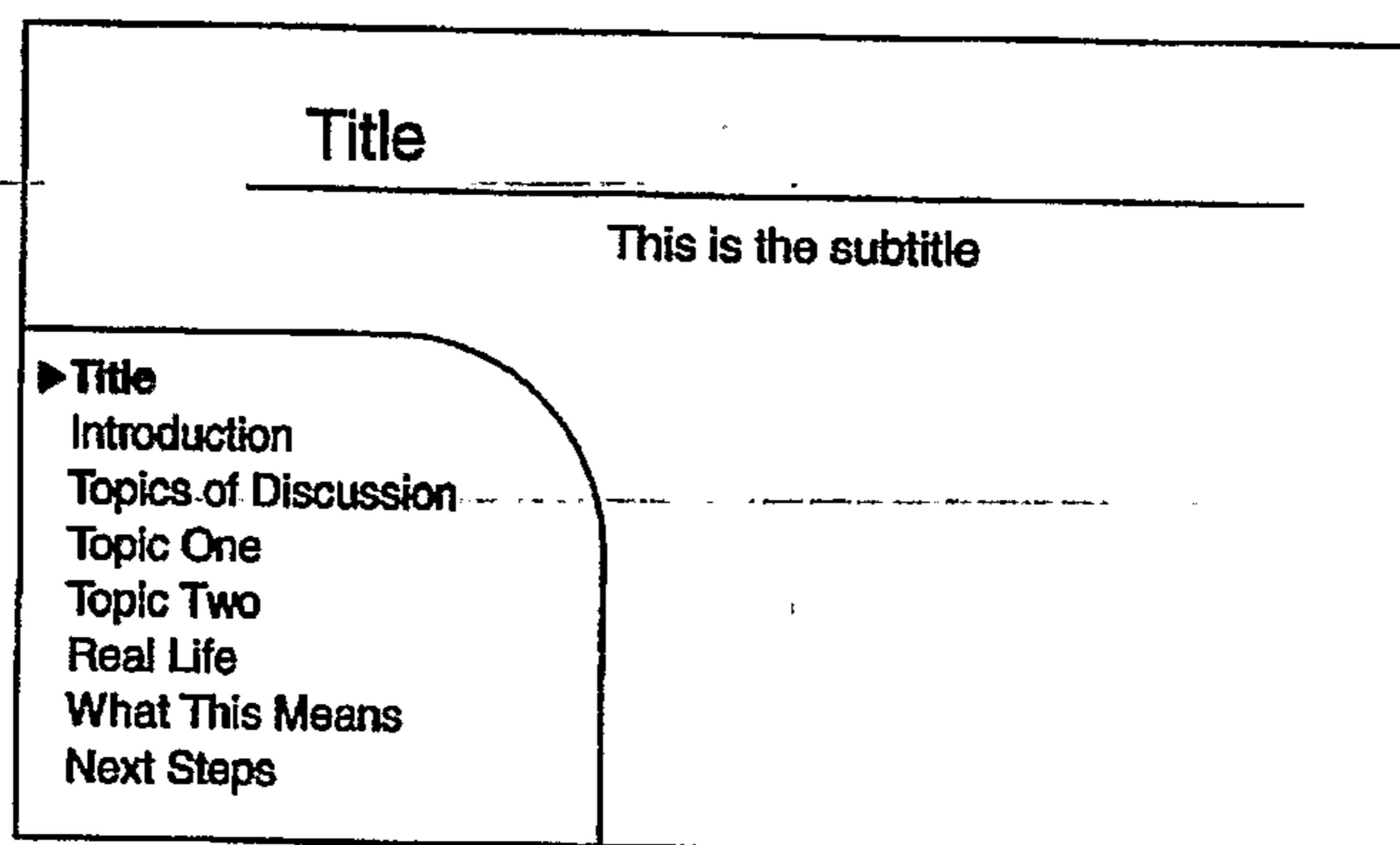
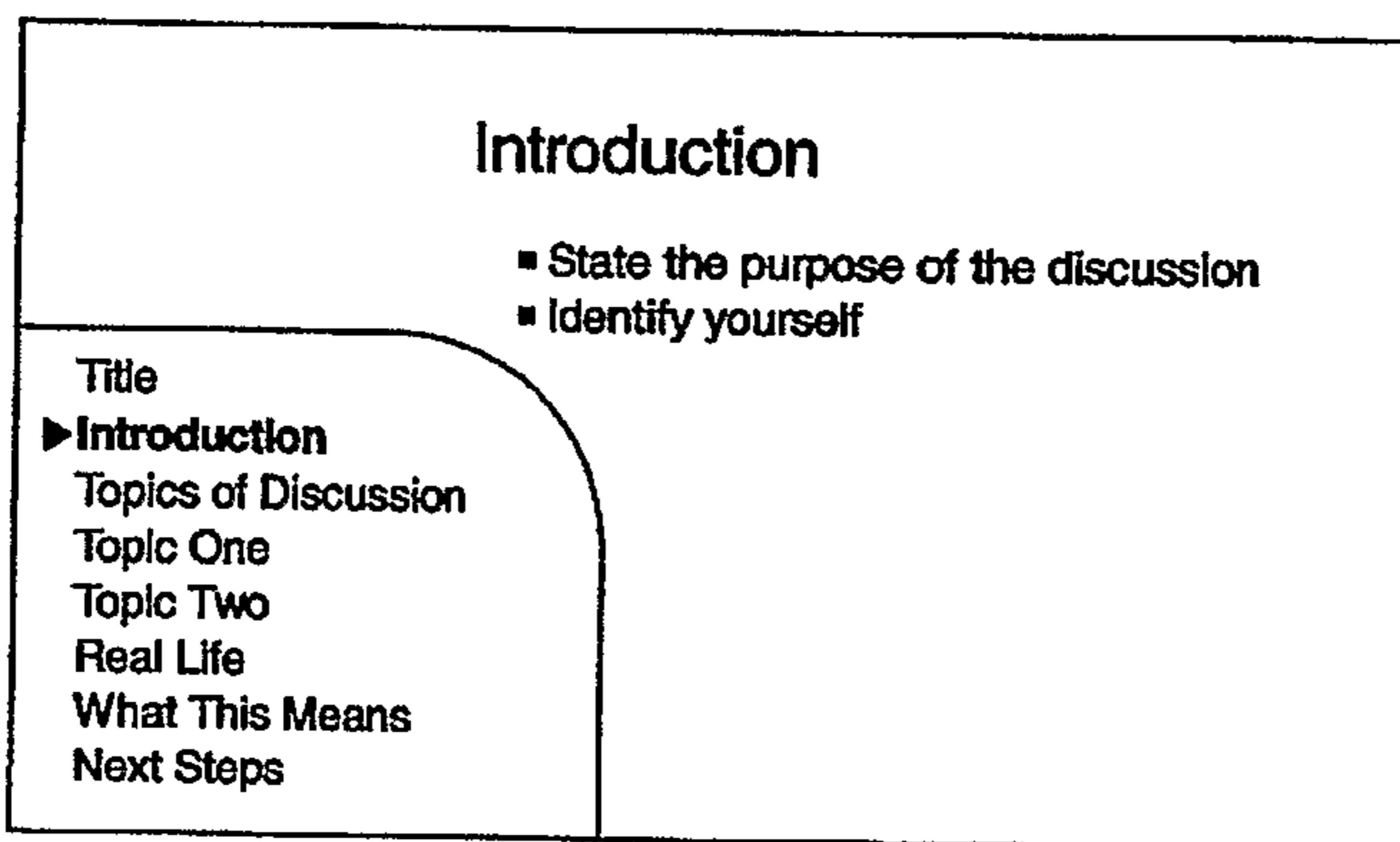


FIG. 13B



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[Fig.]

FIG. 13C

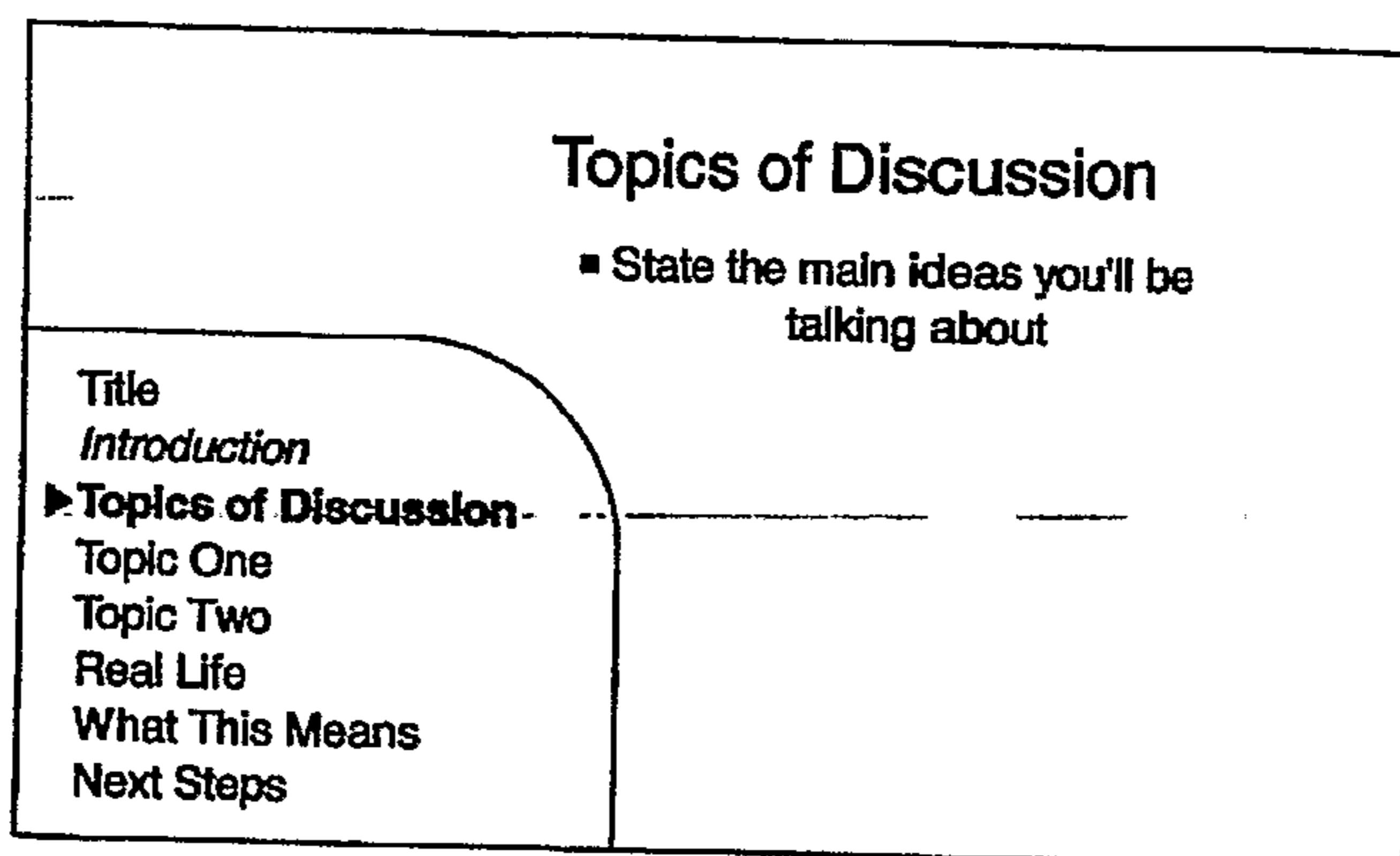
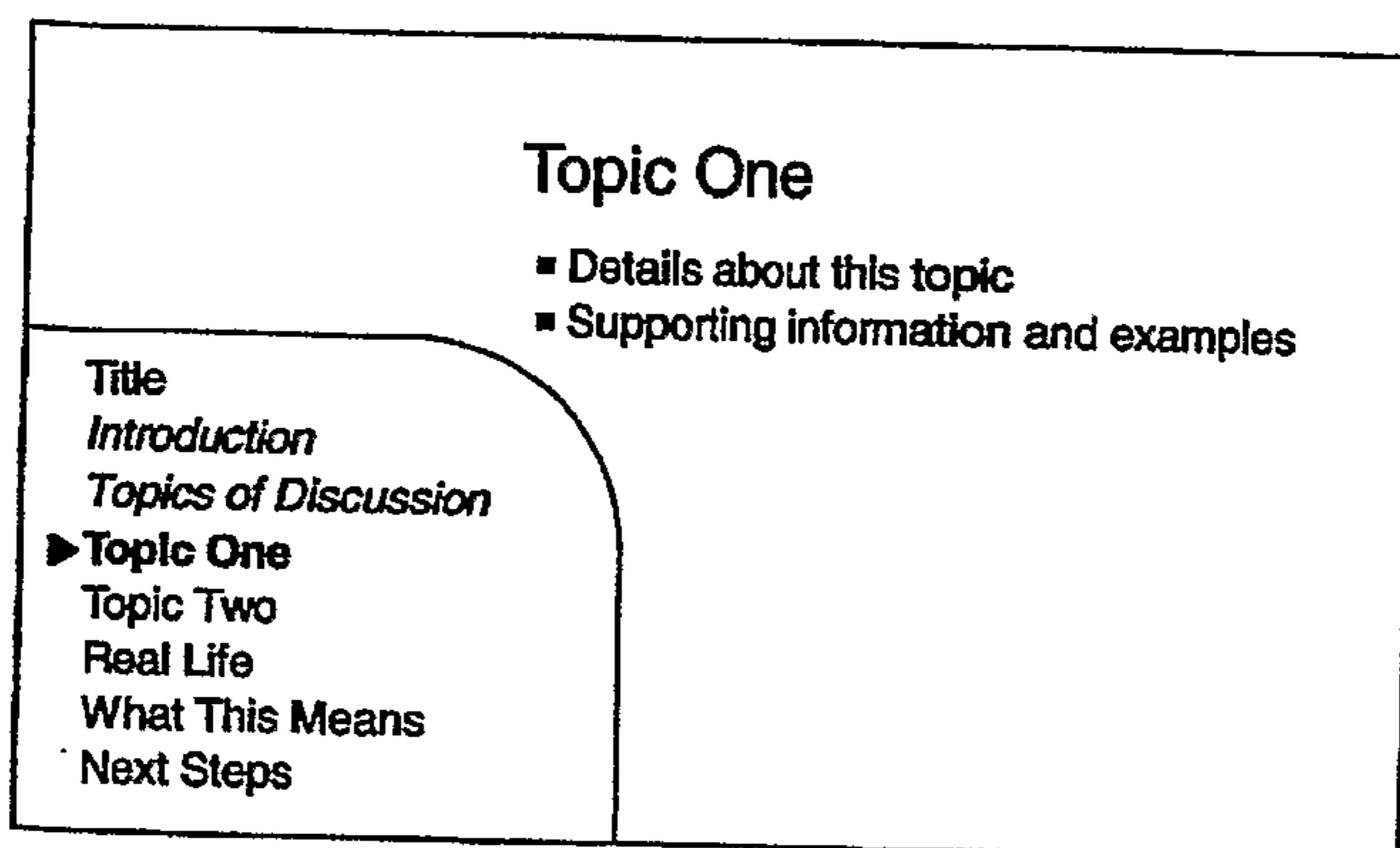


FIG. 13D



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[Fig.]

FIG. 14

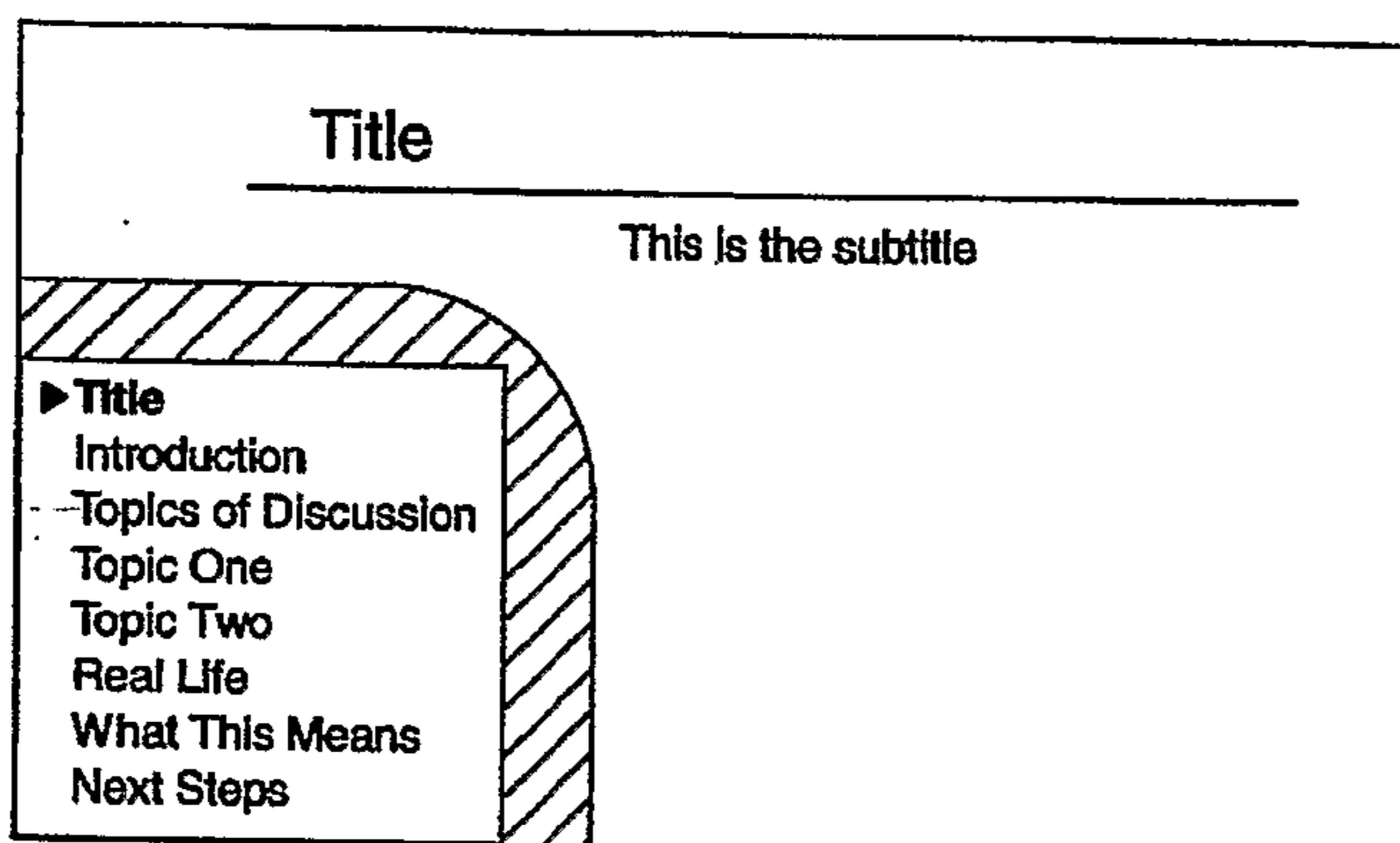
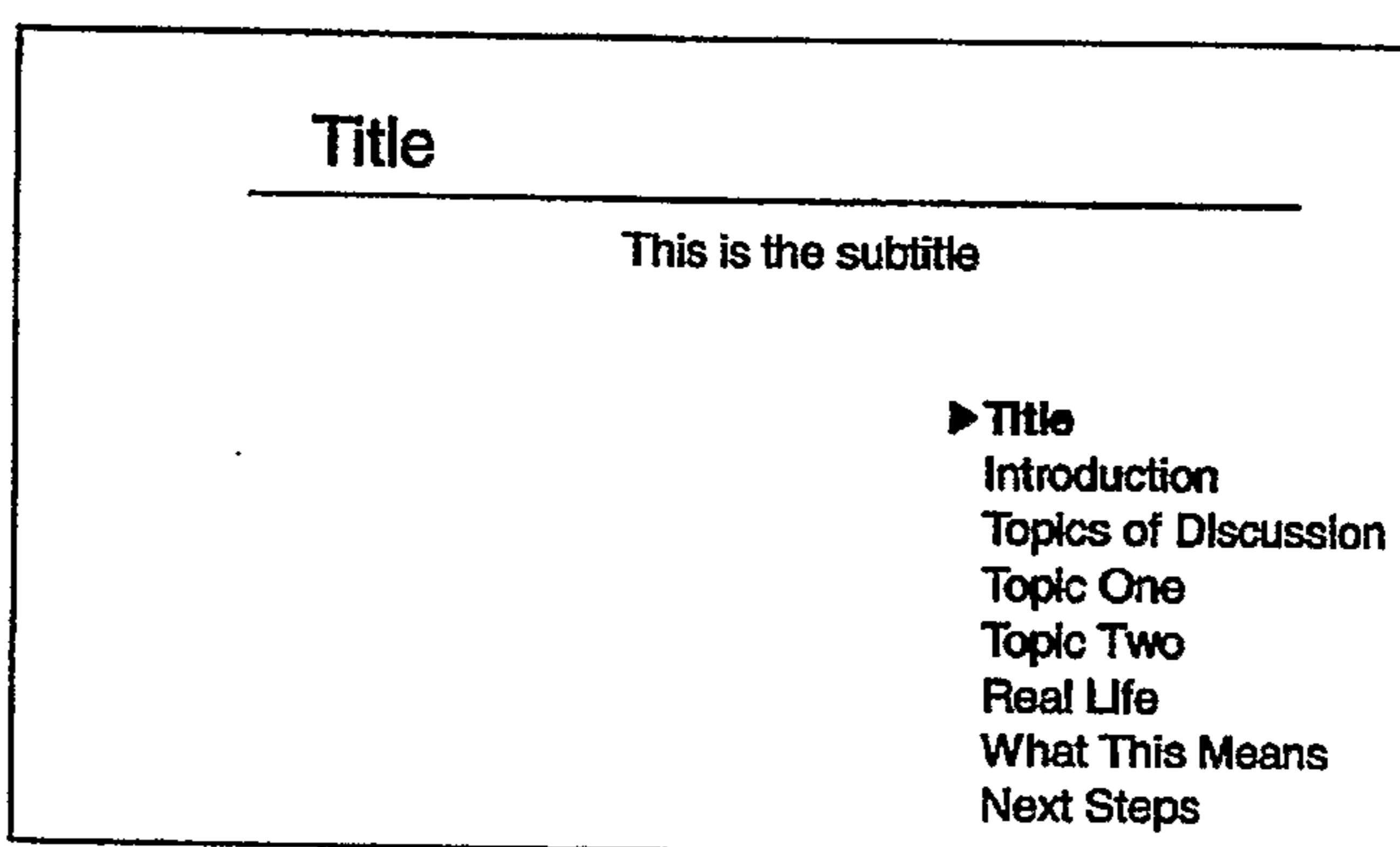


FIG. 15



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[Fig.]

FIG. 16

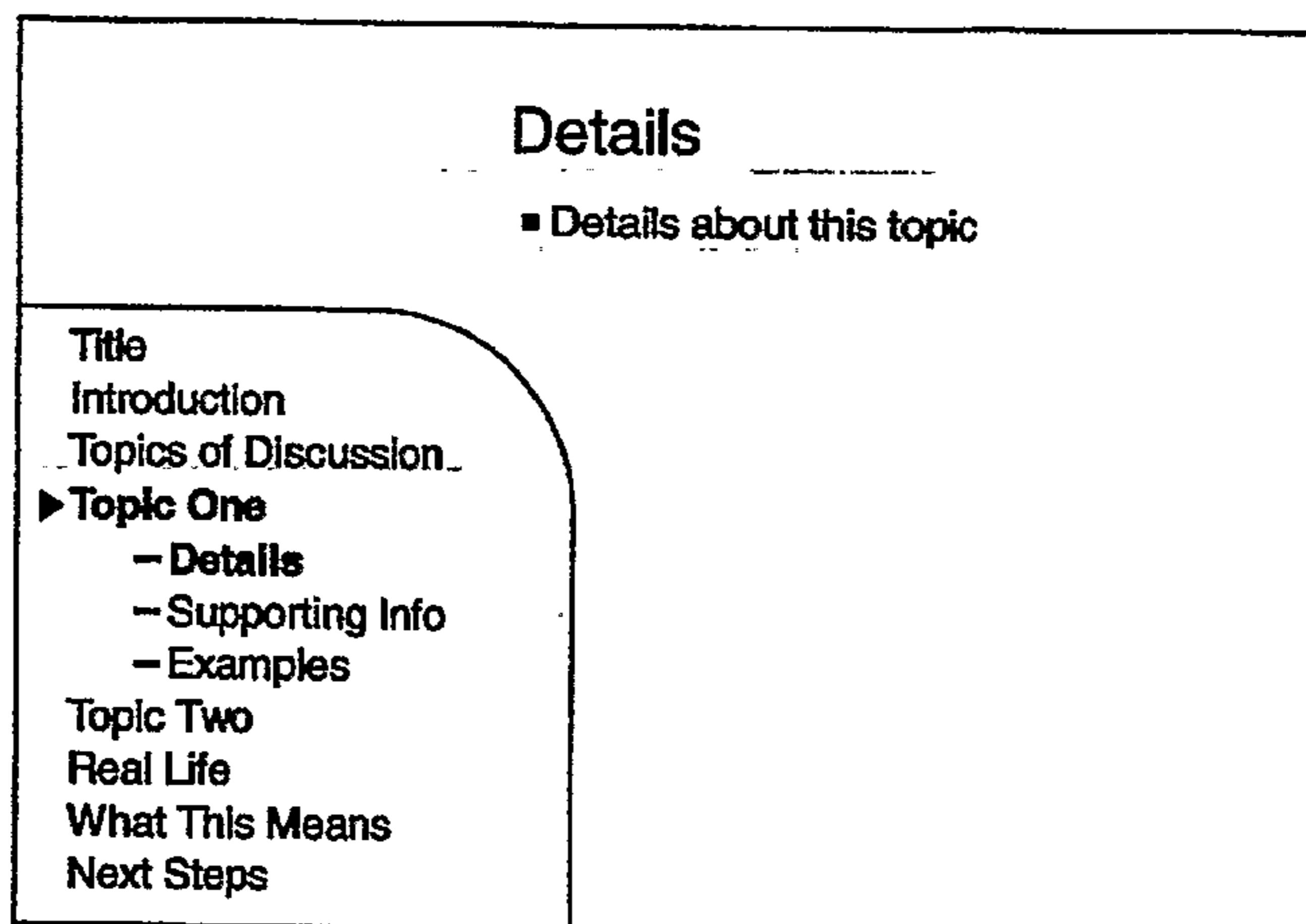
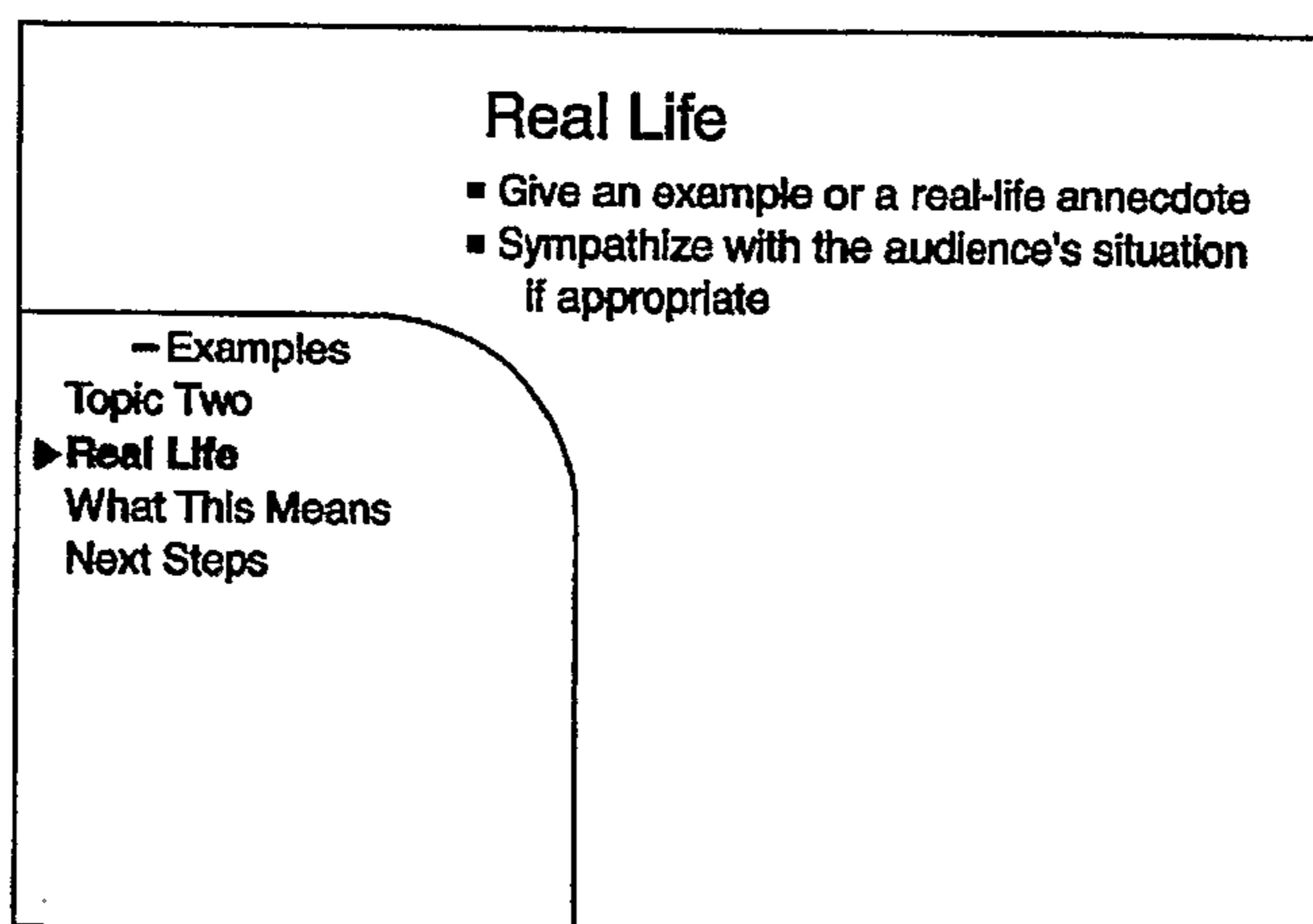


FIG. 17



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[Fig.]

FIG. 18

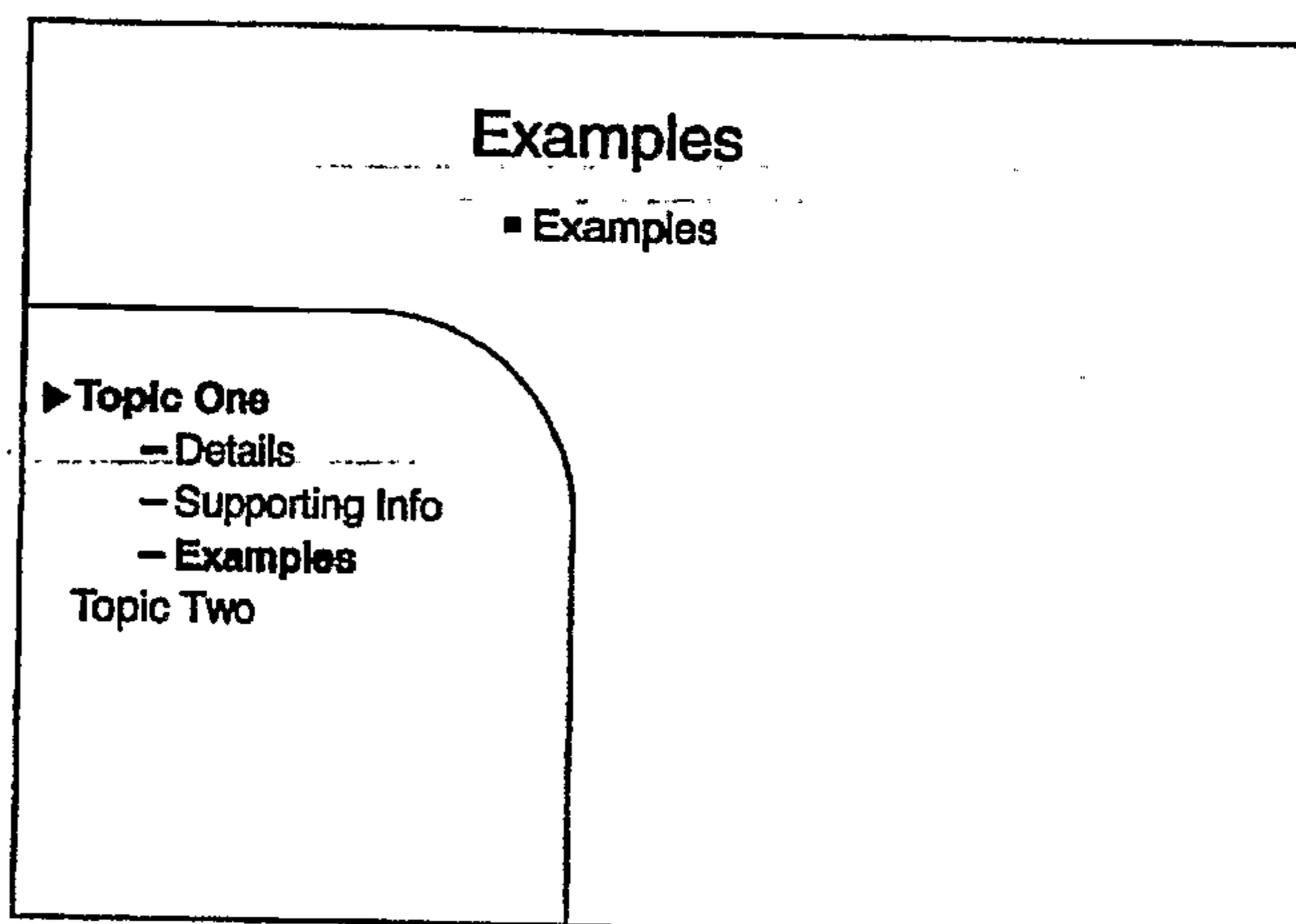
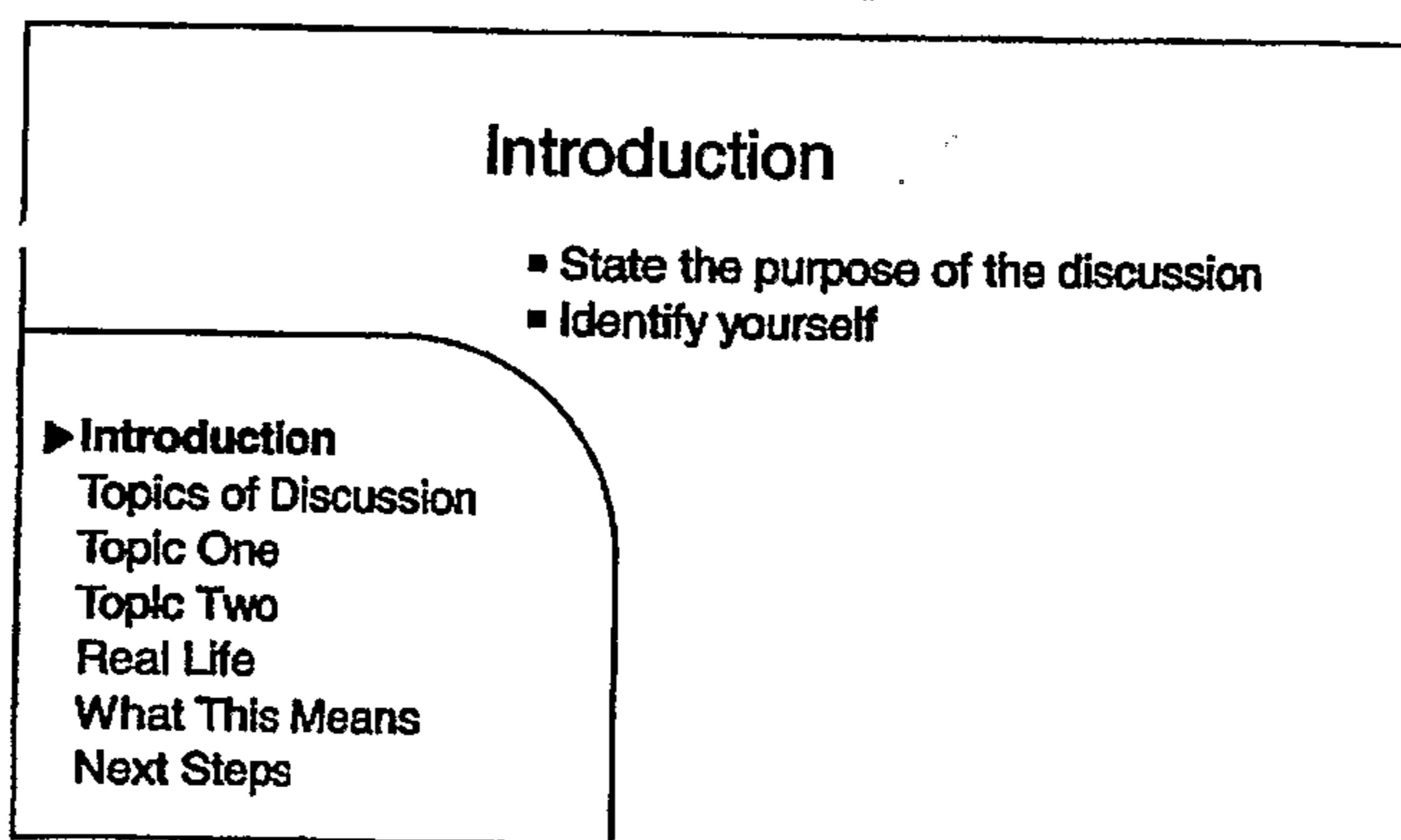


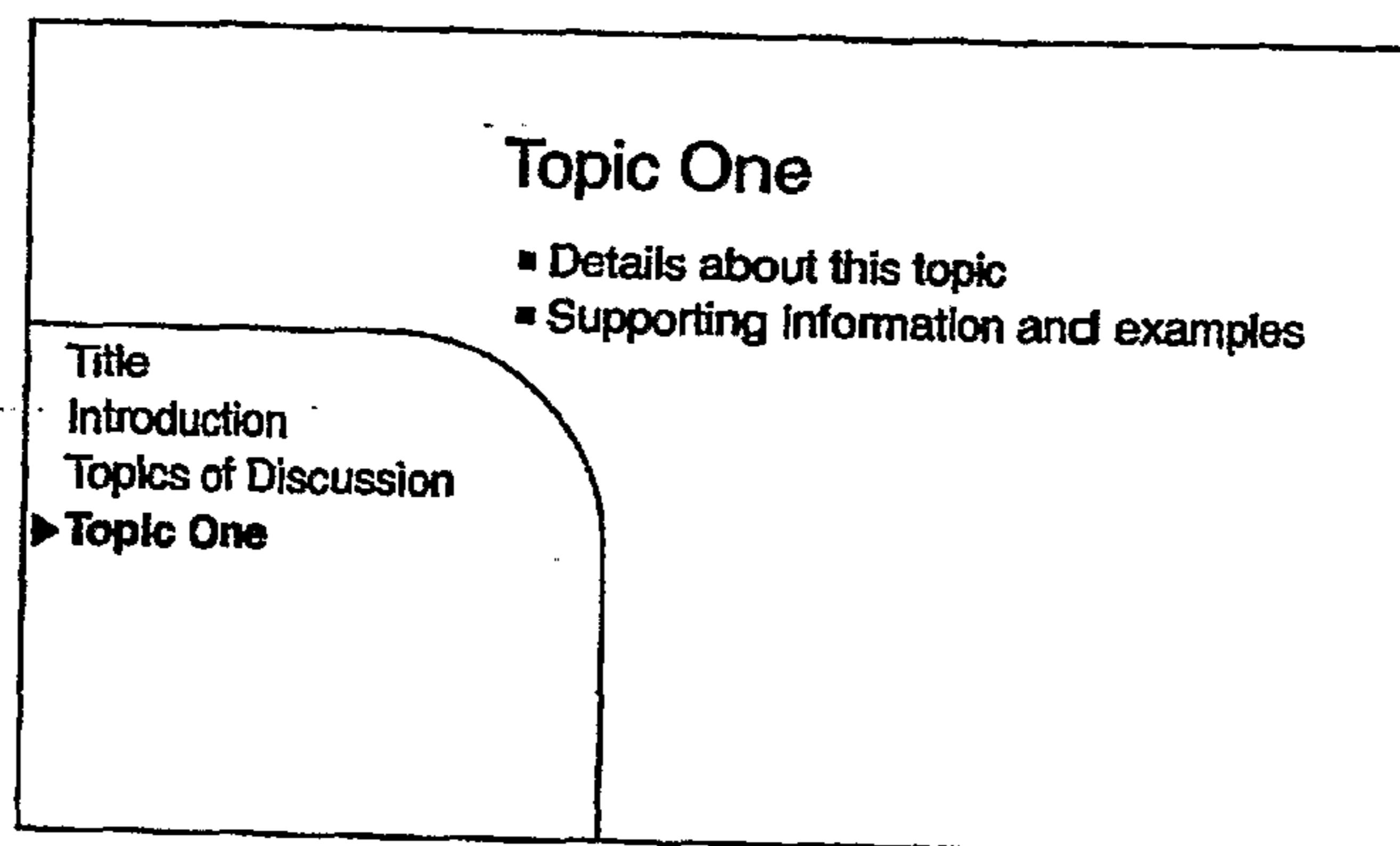
FIG. 19



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[Fig.]

FIG. 20



400

430

Colors and
Lines

Size

Layout

Picture

Text Box

Web

Display
Options

Wrapping style



In line
with text



Square



Tight



Behind
text



In front
of text

Horizontal alignment

Left

Right

Center

Other

Position on slide

Horizontal:

6.34"

From:

Top Left Corner

Vertical:

0.83"

From:

Top Left Corner

OK

Cancel