

UTILITY PATENT APPLICATION TRANSMITTAL

Only for nonprovisional applications under 37 CFR § 1.53(b)

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First Inventor or Application Identifier

Brian Gerard Duperrouzel

Title

WEB PAGE DISPLAY SYSTEM

Express Mail Label No.

EM175691174US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Box Patent Application
Assistant Commissioner for Patent
Washington, D.C. 20231

1. ☒ General Authorization Form & Fee Transmittal
(Submit an original and a duplicate for fee processing)

6. ☐ Microfiche Computer Program (Appendix)

2. ☒ Specification [Total Pages] **26**
(preferred arrangement set forth below)
- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

7. Nucleotide and Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer-Readable Copy
b. ☐ Paper Copy (identical to computer copy)
c. ☐ Statement verifying identity of above copies

3. ☒ Drawing(s) (35 USC 113) [Total Sheets] **20**

4. Oath or Declaration [Total Pages] **2**

- a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior
application,
see 37 CFR 1.63(d)(2) and 1.33(b)

5. Incorporation By Reference (useable if box 4b is checked)
The entire disclosure of the prior application, from which
a copy of the oath or declaration is supplied under Box
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accompanying application and is hereby incorporated by
reference therein.

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard
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☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: _____

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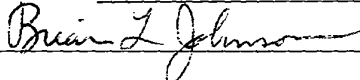
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
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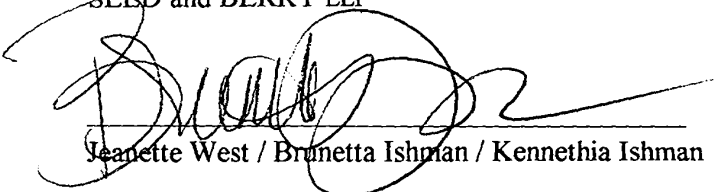
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Specification, Claims, Abstract (26 pages)
20 Sheets of Drawings (Figures 1-20)
Declaration and Power of Attorney

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WEB PAGE DISPLAY SYSTEM

TECHNICAL FIELD

This invention relates to display systems for displaying electronic data, and more particularly to network-based web page display systems.

5 BACKGROUND OF THE INVENTION

Communication technologies continue to provide more capabilities, increase in capacity, and expand throughout the world. An international communication network known as the Internet is increasing in both numbers of users and capacity at nearly an exponential rate. The Internet is accessible by the general public in a large number of places around the world. Users of the Internet have a universe of network-accessible information.

Along with the Internet, there is growth of other private, government, and commercial networks reserved for authorized users. For instance, some commercial networks are reserved for authorized users such as employees, suppliers, or customers of a company. These other networks may share communication links used by the Internet or they may not.

Regardless of whether the network is the Internet or other networks, users are able to obtain network-accessible information by using web page display systems also known as network browsers. These web page display systems download web pages containing desired information from the Internet and various private networks. A web page is displayed through the use of the web page display systems on display screens of user terminals which include terminals, workstation monitors, television sets, and other display devices.

A web page provides many different formats of information including text, graphics, video, sound, and any other format of electronic data. One or more web pages are stored at web sites having web page servers that are connected to the network and allow access to the web pages by users of the particular network. The type of information at each particular web site varies from news, cultural, sports, commerce,

governmental, corporate, investment, and other related topics. The private networks usually are more limited in the type of information provided compared to the Internet.

Each web page also may contain numerous hypertext links which link one web page to many other web pages of related information. As network technology
5 has progressed, everything from web page-based e-mail services, groceries, bookstores, and brokers are competing for the attention of web page users. Web page users have voracious appetites for technology, information, and commerce. Skilled experts have been replaced by skilled masses capable of dealing with more web pages and a vast variety of scenarios and applications. The majority of users remain unable to exploit
10 the opportunities and efficiency of the networks due to the simplicity and limitations of their web page browsers. These web page browsers are interfaces which display the web pages on display screens of the user terminals.

Thus, it can be appreciated that there is a significant need for a system and method that would enhance web browser capability and reduce the amount of time
15 that a web page user requires to manage a web page browser.

SUMMARY OF THE INVENTION

The present invention resides in a display system for displaying web pages accessible on a network. The display system includes a computer system configured to send requests for web pages via the network to web page sites. The
20 computer system also receives web pages via the network from web page sites. The display system further includes a display having display controls and a plurality of non-overlapping display areas having adjustable sizes. The plurality of non-overlapping display areas have a collective size equal to the sum of the non-overlapping display areas. Each non-overlapping display area has independent display area controls and is
25 configured to independently display a web page received by the computer. A sizing control operable by a user is used to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the non-overlapping display areas. In one aspect of the invention, the computer system executes only one

instance of a software program for sending the web page requests and receiving and displaying the requested web pages.

In one embodiment, the display system includes display controls that activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites. Each list of web page sites has a sequential order and has a number of web page sites not dependent on how many display areas are displayed. The computer stores the plurality of lists of web page sites.

In another embodiment, the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device. The display controls include a designator control operable by a user to designate the number of non-overlapping display areas. In a further embodiment, the display controls include a drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area. The second display area is configured to display a web page associated with a uniform reference locator.

Other features and advantages from the invention will become apparent from the following detailed description, taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 illustrates a workstation terminal used to execute and display an embodiment of a web page display system according to the present invention.

Figure 2 is a screen display of the web page display system of Figure 1 used to display four web pages.

Figure 3 is a screen display of the web page display system of Figure 2 showing a result of sizing control.

Figure 4 is a screen display of the web page display system of Figure 2 showing a main Browser menu.

Figure 5 is a screen display of the web page display system of Figure 1 used to display three web pages.

Figure 6 is a screen display of the web page display system of Figure 1 used to display two web pages.

Figure 7 is a screen display of the web page display system of Figure 1 used to display one web page.

5 Figure 8 is a screen display of the web page display system of Figure 2 used to display and select a web page to be saved.

Figure 9 is a screen display of the web page display system of Figure 2 used to display and select a web page to be printed.

10 Figure 10 is a screen display of the web page display system of Figure 2 used to display and select from a main Control menu.

Figure 11 is a screen display of the web page display system of Figure 2 used to display and select from a main ScrollMarks menu.

Figure 12 is a screen display of the web page display system of Figure 2 used to display and select from a main Favorites menu.

15 Figure 13 is a screen display of the web page display system of Figure 2 used to display and select a web page to be added to a Favorites list.

Figure 14 is a screen display of the web page display system of Figure 2 used to display and select from a main Configure menu.

20 Figure 15 is a screen display of the Home and Search default settings screen of the web page display system of Figure 1.

Figure 16 is a screen display of the ScrollMarks settings screen of the web page display system of Figure 1 to select multiple web pages for display as a group.

25 Figure 17 is a screen display of the group menu of the ScrollMarks settings screen used to display and select a group of multiple web pages for display.

Figure 18 is a screen display of the web page display system of Figure 2 used to display and select a web page site for an individual web page pane.

Figure 19 is a screen display of the Configure screen of the web page display system of Figure 1.

Figure 20 is a screen display of the web page display system of Figure 2 used to display and select from a main Help menu.

DETAILED DESCRIPTION OF THE INVENTION

Displaying multiple web pages simultaneously on a display screen facilitates both navigation of web page-based networks and analysis of web page-based information by a web page user. It is helpful to have more than one web page displayed at a time in-navigating because web page users can find themselves somewhat lost after following a long chain of hypertext links. For instance, in displaying a series of web-pages which follow a chain of hyper-text links, a user may want to display a particular web page while simultaneously displaying one or more additional web pages from the chain of hyper-text links. The display of the particular web page helps the user keep a general perspective in mind while the user examines more detail in additional one or more displayed web pages.

Multiple web pages displayed concurrently can also help in research involving comparisons such as in shopping at the consumer level. Comparisons made with multiple displayed web pages is also done for instance at the corporate level for acquisition and project management. Displaying multiple web pages simultaneously can also help a user speed up searches. In this case a user views and studies one web page while performing a search through another web page if both are displayed simultaneously.

Web page users typically launch a web page browser, such as Microsoft Internet Explorer, and navigate to the desired web page. Navigational tools, such as a back arrow and a forward arrow, allow the user to move back and forth to previously visited web pages. However, this approach does not permit the user to view multiple web pages simultaneously. One solution to the problem of displaying only one web page at a time is to run multiple copies of web page browsers on the display screens of their user terminals. However, running multiple copies of web page browsers simultaneously can exact costs in both time for the user to configure the display screen and resources required by the user terminal. Much time is spent positioning and

resizing the web pages on the display screens so that each web page can be properly viewed. Also, multiple executed copies require excessive amounts of user terminal resources, such as system memory and communication bandwidth.

The present invention is directed to a system and method for a web page display system. Multiple web pages are displayed simultaneously with a reduction of time and effort required by the user to position, size, and configure the web pages compared to prior art techniques. Also multiple web pages are displayed with less system resources required by the user terminal compared to prior art techniques. These and other advantages will become apparent in the following detailed description. In the following description, numerous specific details are provided, such as specific screen displays, placement and shapes of controls, and ordering of menu selections. One skilled in the relevant art, however, will recognize that the invention can be practiced without one or more of the specific details, or with other symbols, methods, etc. In other instances, well-known structures or operations are not shown or described in detail to avoid obscuring the description of the embodiments.

A computer workstation user terminal 110 using an embodiment of the web page display system of the present invention is illustrated in Figure 1. The computer workstation user terminal 110 includes a computer 112, a monitor 114 including a display screen 116, a keyboard 118, and a mouse input device 120 with a mouse button 120a. The computer workstation user terminal 110 accesses a network 130 using conventional networking technology in order to download web pages for display. For example, the computer 112 can include a communication controller 125 for accessing the network 130. The communication controller 125 may be a conventional modem using standard analog telephone lines, ISDN, T1, or other such communication links. The computer 112 can also access the network via a network controller if the communication controller 125 is a network interface. Other conventional communication controllers may also be readily used to implement the present invention. The operation of these various devices to access the network 130 is well known in the art so it does not need to be explained in detail. The network 130 can be any network that allows access to web page sites 132. The network 130 could be, for

example, the Internet, a corporate network, a government network, a private network, a commercial network, or other such network.

Once the computer workstation user terminal 110 downloads a web page from a web page site 132, the web page is displayed on display 116. The embodiment of the present invention allows multiple web pages to be simultaneously displayed such that the display screen 116 of the computer workstation user terminal 110 displays multiple web pages that have been downloaded from multiple web page sites 132 off of the network 130. The web page sites 132 can be interrelated or completely independent. The multiple web pages are displayed and communication support is provided for communicating between the web page sites 132 and the computer workstation user terminal 110 by executing only one instance of browser software on the computer workstation terminal 110.

Figure 2 illustrates a screen display 210 of the web page display system embodiment wherein four non-overlapping web pages are simultaneously displayed. The particular four web pages displayed in Figure 2 and the other particular web pages displayed in the other figures are for illustration purposes. The embodiment of the present invention is not limited to displaying only these particular web pages shown in the figures. Instead, the embodiment of the present invention displays any web page accessible through a network.

The four web page display 210 includes four display panes 212a, 212b, 212c, and 212d. Each display pane 212 is a display area that frames and provides controls for a particular web page being displayed within the display pane 212. The descriptions of the individual controls for the display pane 212a are also applicable for the individual controls for the other display panes 212b, 212c, and 212d.

Multiple display panes 212a-d are implemented with only one instance of most executable portions of the associated browser software being executed by associating an individual copy of a web browser control file with each active display pane 212. In the case of Microsoft Internet Explorer 4.0, the depicted embodiment uses the Microsoft Internet Explorer web browser engine to display each web page in each display pane 212. An individual copy of a web browser control computer file labeled

“shdocvw.dll” is associated with each display pane 212 by parenting, as known in the art, each individual web browser control into an individual picture box associated with each display pane 212. When a particular display pane 212 is revised, its associated picture box is revised which then through the associated parenting causes the web browser to be appropriately revised. For the case of the four web page display 210, four “shdocvw.dll” files are thus used in the control of the four display panes 212. However, only one copy of other computer files associated with execution are used which greatly reduces required computer memory to implement multiple display panes 212.

In an alternative embodiment, a Netscape Navigator web browser engine is used instead of the Microsoft Internet Explorer web browser engine. When the Netscape Navigator web browser engine is used, an entire copy of the web browser engine must be executed for each display pane 212 being displayed. This is because currently the Netscape Navigator web browser engine does not provide a web browser control file similar to that found in the Microsoft Internet Explorer web browser engine. As other web browser engines provide similar web browser control files, the depicted embodiment will utilize them for similar reductions in memory requirements. The use of web browser engines by the depicted embodiment was described in particular with reference to web browser engines that operate under particular computer operating systems. However, the present invention is not limited to particular web browser engines or particular computer operating systems but is intended to be used with all web browser engines and computer operating systems.

A back arrow control 220 and a forward arrow control 222 of the display pane 212a are both related to a sequence in which a series of web pages have been initially displayed on display pane 212a. The related sequence typically ends with a web page that has been most recently downloaded from the network 130 (see Figure 1) and begins with a web page least recently downloaded from the network. Each time the back arrow control 220 is selected, the displayed pane 212a will display the next web page that is closer to the beginning of the related sequence than the web page displayed at the time of activation. Each time the forward arrow control 222 is selected, the

display pane 212a will display the next web page that is closer to the end of the related sequence than the web page displayed at the time of activation.

A stop control 224 of the display pane 212a is used to terminate any communication currently in progress with a web site from which the computer workstation user terminal 110 (see Figure 1) is downloading a web page. A refresh control 226 of the display pane 212a repeats a download of the web page currently displayed on the display pane 212a. A home control 228 of the display page 212a is used to access a default web page that has been designated as a home web page. Home web pages will be discussed further below.

A search control 230 of the display page 212a accesses a web page that has been designated as a search web page. Generally, search web pages contain further controls related to searching for specific web pages containing desired information. Designation of search web pages are discussed further below. A uniform resource locator (URL) 232 of the display pane 212a displays a URL of a current web page being displayed. The URL may be thought of as the "address" of the web site. Although the illustrated embodiment uses URLs, the present invention is not limited to URLs. Any string expression that can represent a web page resource on a network may be satisfactorily used by the present invention. An access control 234 of the display pane 212a, when selected, causes a pop-down list of URLs to be shown on the display 116. The user can select the URL of a desired web page in a conventional fashion. As an option, this list may be predefined as a designated group of URLs as discussed further below.

A status indicator 236 of the display page 212a indicates whether the web page display system is currently in the process of downloading a web page. Downloading is indicated by a red dot being illuminated, whereas a green dot being illuminated indicates no communication is currently in progress.

A minimize control 238 of the display pane 212a is integrated with an operating system of the computer 112 hosting the web page display system in the present embodiment of the invention. The minimize control 238 is used when a user desires the display 116 to display something other than the web page display system of

the present embodiment of the invention. A maximize control 240 of the display pane 212a is similar to the minimize control 238 except the maximize control is used when a user desires the entire display 116 to display the web page corresponding to the display pane 212 whose maximize control is activated. A scroll control 242 of the display pane 212a controls the position of the web page being displayed in the display pane 212a. When web pages are larger than the display pane 212a, the scroll control 242 operates in a known manner to permit the user to scroll through an entire web page.

The four web page display 210 also includes pop-down menu controls 214 and a sizing control 216. While the controls for each display pane 212 affect only that display pane, the pop-down menu controls 214 are operable to control all four display panes 212a, 212b, 212c, and 212d simultaneously. Certain aspects of the pop-down menu controls 214 can be inactivated in a locked mode so that one or more of display panes 212 are not affected by certain controls of the pop-down menu controls 214. This will be described in further detail below. The present embodiment of the invention is described in terms of a maximum of four display panes 212 displaying a maximum of four web pages. However, the present invention is not limited to displaying four web pages on four display panes, but can conveniently display any number of web pages on any number of display panes.

The sizing control 216 is operable to control the sizing of all four display panes 212 simultaneously. The sizing control 216 includes a graphical object displayed on the display screen 116 illustrated in Figure 2 as a dot. The sizing control 216 is positioned by a user typically using the mouse input device 120. However, other computer control devices, such as a trackball, joystick, and the like, may also be used. The sizing control 216 is positioned within the area of the four web page display 210. The web page display system of the four web page display 210 maintains the four display panes 212 so that the intersection of their common corners is always at the position of the sizing control 216. The four display panes 212 may be resized when the sizing control 216 is repositioned using, by way of example, "drag and drop" control. In this embodiment, the user manipulates the mouse input device 120 to position a cursor (not shown) on the sizing control, activates a mouse button 120a and keeps the

mouse button activated while moving the cursor to a desired new location. Once the cursor is at the desired location, the user releases the mouse button to automatically activate the resizing process. Thus, if the sizing control 216 is moved to a different position, the size of the display panes 212 will be automatically adjusted accordingly so that the intersection of the common corners of the display panes 212 will continue to be in the position of the sizing control 216. This can be seen in Figure 3 wherein the sizing control 216 has been moved downward and to the left portion of the four web page display 210, as compared to the position of the sizing control 216 in Figure 2. As sizing occurs the total combined display area of the display panes 212 remains generally constant.

For the process of resizing, each active display pane 212 must be subject to a standard "move" command from a windows operating system environment such as Windows 95, 98, NT, or other windows environments. Since, typically, windows operating system environments cannot process four move commands simultaneously, one of the active display panes 212 is first subject to the "move" command. In the depicted embodiment, display pane 212a is first subject to the "move" command. When the sizing control 216 is repositioned by a user using the mouse input device 120, the display pane 212a is subject to the windows environment "move" command, which results in display pane 212a being revised. In the depicted embodiment, if the sizing control 216 is moved, for example, to a coordinate position of 150 pixels from the inside edge of the left border and 600 pixels from the inside edge of the top border of the four web page display 210, as shown in Figure 3, the width and height of display pane 212a will be 150 and 600, respectively.

The remaining display panes 212b - 212d are automatically resized using additional "move" commands. For example, the display pane 212b will be automatically resized using the windows environment "move" command with the width of display pane 212b being the distance from left border inside edge to right border inside edge of the four web page display 210 less the width of display pane 212a and less the width of an interior vertical border dividing display panes 212a and 212b. The height of display pane 212b will be equal to the height of display pane 212a as shown in

Figure 3. Once both the widths and heights of display panes 212a and 212b are determined, the width and height of display pane 212c is determined and display pane 212c is subjected to the windows environment “move” command in a similar manner as described for display pane 212b except a distance from top border inside edge to bottom border inside edge of the four web page display 210 and height of an interior horizontal border 220 between display panes 212a and 212c are used in calculations. Finally, once the widths and heights are determined for display panes 212a-c, the width and height for display pane 212d is determined and display pane 212d is subjected to the windows environment “move” command in a similar manner as described for display panes 212b and 212c. An order of calculations and “move” commands similar to that described for the four web page display 210 are performed for resizing of web page displays have greater or fewer number of display panes 212 as the four web page display only tailored to the number of display panes 212 of the web page display involved. Also, if the display panes 212 are positioned in the web page display in a different arrangement than described for Figure 3, the calculations would be adjusted accordingly as would be understood by one of ordinary skill in the art.

Another consideration taken into account is the situation in which a user moves the sizing control 216 near or off the edge of the display 116. For this case differences are determined in the size calculations in conjunction with use of an absolute value function to avoid error conditions in executing computer code as is typically used in the art. Resizing display panes 212a and 212b of the two web page display 610 of Figure 6 is dependent upon the configuration settings 1910 shown in Figure 19 which dictate the orientation of the two display panes 212a and 212b. If the two page web display 610 is configured to display display panes 212a and 212b vertically or horizontally, the width or height respectively of the display panes 212a and 212b will be affected.

A screen display of the menu selections of the Browser menu 214 of the four web page display 210 is shown in Figure 4. The menu selections of the Browser menu 214 include One Window 412, Two Windows 414, Three Windows 416, and Four Windows 418. These Browser menu 214 selections 412-418 and the keyboard

function keys F5 through F8 act as a designator control whereby selection results in one to four display panes 212 being displayed. The display pane 212a has the highest priority and will always be displayed. The display pane 212d has the lowest priority and will only be displayed if the Four Windows menu selection 418 or the F8 key is selected. Display pane 212b will be selected if one of the Two Windows 414, Three Windows 416, or Four Windows 418 of the Browser menu 214 selections is selected or one of the F6 through F8 keys is selected. Display pane 212c will be displayed if one of the Three Windows 416 or Four Windows 418 of the Browser menu 214ⁱ selections is selected or one of the F7 or F8 keys.

10 The selection of a Rotate Windows menu selection 420 results in the display panes 212 being rotated in position relative to one another. The display panes 212, however, stay in their non-overlapping position within the four page display 210 as can be seen by comparing Figures 4 and 2. Figure 4 is the result of one execution of the Rotate Windows selection 420. As can be seen by comparing Figures 2 and 4, after the rotation was completed, all the display panes 212 rotated one display pane in the clockwise direction. A Save As selection 422 and a Print selection 424 will be further discussed below. An Exit selection 426 when selected deactivates the web page display system from its current execution on the computer workstation user terminal 110. In one embodiment, display panes 212 are also automatically resized to a default size when the Rotate Windows menu selection 420 is selected or when one of the number of Windows menu selections 412-418 or one of keys F5 through F8 is selected.

When the Three Windows 416 selection of Browser menu 214 is selected, a three web page display 510 is displayed as shown in Figure 5. The difference between the four web page display 210 and the three web page display 510 is that the fourth display pane 212d is no longer displayed. The pop-down menu controls 214 and the sizing control 216 remains in the three web page display 510. The sizing control 216 for the three web page display 510 is always positioned at the intersection of the common corners of the two display panes 212b and 212c and the common edge of the display pane 212a as illustrated in Figure 5. The sizing control 216 operates in the manner described above to automatically resize the display panes 212.

A two web page display 610 has only two display panes 212a and 212b as shown in Figure 6. Again, the pop-down menu controls 214 and the sizing control 216 remain in the two web page display 610 and operate in the manner described above. The sizing control 216 for the two web page display 610 is always positioned in the middle of the common edge of display panes 212a and 212b, shown in Figure 6.

A one web page display 220 has only the display pane 212a displayed as shown in Figure 7. As with the other web page displays, the pop-down menu control 214 remains. However, the sizing control 216 is no longer needed and is therefore not available.

Activation of the Save As menu selection 422 of the Browser menu control 214 allows the user to save any web page currently being displayed in one of the active display panes 212, as illustrated by a screen display of Figure 8. The current web page is saved in Hypertext Markup Language (HTML) format on to the computer workstation user terminal 110. In the case illustrated by Figure 8, four display panes are selected in the four web page display 210. Therefore, the Save As menu selection 422 allows selection of any one or more of the four web pages currently being displayed. The web page being displayed in display pane 212a can be saved by selecting the topmost menu selection of the Save As menu selection 422. The web page being displayed in display pane 212b can be saved by selecting the second topmost menu selection of the Save As menu selection 422. The web page being displayed in display pane 212c can be saved by selecting the third topmost Save As menu selection 422. The web page being displayed in display pane 212d can be saved by selecting the bottommost Save As menu selection 422.

The Save As menu selection 422 has been described specifically related to the four web page display 210. However, if fewer panes have been selected, such as in the three web page display 510, the two web page display 610, or the one web page display 220, the procedure to save a web page currently being displayed in one of the display panes is the same except that the Save As menu selection 422 would have fewer menu selections according to the number of display panes selected. The operation of a Print menu selection 422 of the Browser menu control 214, shown in Figure 9, is

similar to the operation of the Save As menu selection 422 except that in this case the selected web page is printed instead of being saved in HTML format.

The Control menu 1010 of the pop-down menu controls 214 includes controls for all selected display panes 212. For the case of the four web page display 5 210 illustrated in Figure 10, the Control Menu 1010 includes controls for display panes 212a, 212b, 212c, and 212d. The Control menu 1010 includes a Stop All selection 1012. The Stop All selection 1012 has the same effect when selected as the stop control 224 of the display pane 212a of Figure 2 except that the stop control 224 is for an individual display pane, whereas the Stop All selection 1012 affects all display panes 10 212 currently selected. In the case of Figure 10, where the four web page display 210 is shown, the Stop All selection 1012 would terminate any communication currently occurring with any of the web sites shown in the four display panes 212. For the case of the three web page display 510, two web page display 610, and the one web page display 220, the Control Menu 1010 also includes a Stop All selection 1012 that 15 operates in the same manner except that the number of web pages affected is fewer according to the number of display panes 212 being selected.

The Control menu 1010 of the pop-down menu controls 214 also has a Refresh All selection 1014. The Refresh All selection 1014 is the same as the refresh control 226 of display pane 212a shown in Figure 2 except that the refresh control 226 20 controls refresh of only the display pane 212a, whereas the Refresh All selection 1014 activates refresh of all the active display panes. For the case of the four web page display 210 of Figure 10, activation of the Refresh All selection 214 repeats the download of each of the web pages currently being displayed in the four display panes 212. For the case of the three web page display 510, two web page display 610, and the 25 one web page display 220, the Refresh All selection 1014 operates the same except the number of web pages being refreshed is fewer according to the number of selected display panes.

The Control menu 1010 also has a Home All selection 1016 and a Search All selection 1018. When a user selects either the Home All selection 1016 or the 30 Search All selection 1018, all currently selected display panes 212 download

predetermined web pages. For the case illustrated by Figure 10 showing the four web page display 210, four display panes 212 download four predetermined web pages. For the case of the three web page display 510, the two web page display 610, and the one web page 220, three, two, and one predetermined web pages, respectively, are downloaded. Each display pane 212 has a specific web page designated as a home web page and a specific web page designated as a search web page. The home web page and the search web page for a particular display pane can be different from one another, and can be different from other home and search web pages for other display panes. Designation of the home and search web pages are further discussed below.

A ScrollMarks menu 1110 of the pop-down menu controls 214 as part of the four web page display 210 is illustrated in Figure 11. The ScrollMarks menu 1110 includes an Edit selection 1112. The Edit selection 1112 allows a user to edit a list of web page URLs that serve as addresses for particular web pages. Upon selection of a StartScrollShow selection 1114 of the ScrollMarks menu 1110, the four web page display 210 displays the first four web pages on the list of web page URLs. Selection of a Scroll Forward selection 1116 and a Scroll Back selection 1118 of the ScrollMarks menu 1110 allows a user to scroll forward and backward, respectively, through the list of web page URLs to display other web pages that are on the list. In the present embodiment of the invention, scrolling is done by one, two, three, or four web pages at a time. For example, if scrolling is done by two web pages at a time for the four web page display 210, two previously displayed web pages are no longer displayed and two new web pages are shifted to the display panes 212 which had been displaying the web pages no longer displayed, and subsequent two or previous two web pages on the list are displayed in the remaining display panes 212. Thus, the web pages of display panes 212a and 212b are no longer displayed and the web pages of display panes 212c and 212d are shifted into display panes 212a and 212b, respectively. The next two new web pages from the list of web page URLs are shifted into the display panes 212c and 212d, respectively. A similar shifting process occurs when scrolling is done by one, three or four web pages at a time.

A Favorites menu 1210 of the pop-down menu controls 214 having Add to Favorites selection 1212 and Open Favorites selection 1214 is shown in Figure 12. The Add to Favorites selection 1212 as shown in Figure 13 when selected displays an Add to Favorites list 1310. The Add to Favorites list 1310 allows a user to select by
5 description or title, any of the web pages currently being displayed. Selection of any of the web pages causes the URL of the selected web page to be added to a Favorites list. The Favorites list is permanently stored in computer 112 on a disk drive (not shown).

Any web page in the Favorites list can be accessed by using the Open Favorites selection 1214, as shown in Figure 12. Selection of the Open Favorites
10 selection 1214 opens the Favorites list which has brief descriptions or titles of stored URLs. A user opens a desired web page by selecting a web page title or description using the drag-and-drop feature of the mouse input device 120. The user drags the web page description or title into one of the display panes 212 and the mouse button 120a. Once a user releases a desired web page description or title into a display pane 212, the
15 web page display system then automatically downloads the desired web page using the stored URL of the desired web page. The desired web page is downloaded into the web page display system and is displayed on a display pane 212 in which the title or description of the desired web page was dropped by the user.

The ability to drag and drop URLs from the Favorites list into any
20 display pane 212 provides the user with powerful navigation tools. Similarly, the user can also drag and drop any URL that is displayed in one display pane 212 into another display pane 212 to automatically select downloading of a web page that has the particular URL. For instance, in one case display pane 212a displays a list of URLs from a search performed by a user. The user then drags and drops one of the URLs
25 displayed in display pane 212a into display pane 212b. The web page display system of the present embodiment then downloads the web page corresponding to the URL dropped into the display pane 212b. Subsequently, the display pane 212b displays the downloaded web page.

In an alternative embodiment, the web page display is executed in a
30 windows environment such as Microsoft Active Desktop in conjunction with the

Internet Explorer engine which allows the Favorites menu 1210 of the pop-down menu controls 214 to directly display titles and descriptions associated with URLs that are also stored in the Favorites list. A user then has an option of selecting a URL directly from the Favorites menu 1210 or the Favorites list. As part of this alternative embodiment, a user selects a URL directly from the Favorites menu 1210 by positioning a display cursor over a desired URL title or description on the Favorites menu 1210 and then a first single click of the mouse button 120a of the mouse input device 120 is performed. After the first single click of the mouse button 120a, the display cursor is displayed as a graphical object different than displayed before performance of the first single click. For example, the display cursor may change from an arrow to an cross-hairs after the first click of the mouse button 120a. With the mouse input device 120, the user then moves the display cursor (eg. the cross-hairs) into an area of a desired one of the currently active display panes 212 and then performs a second single click of the mouse button 120a. This initiates download of a desired web page associated with the desired URL and subsequent display of the desired web page in the desired display pane 212. The display cursor is then displayed as it was displayed before the first single click of the mouse button 120a was performed.

A Configure menu 1410 of the pop-down menu controls 214 has a Scroll Options selection 1412 and an Internet Options selection 1414, as shown in Figure 14. When the Internet Options selection 1414 of the Configure menu 1410 is selected, various Internet configuration options well known in the art are accessed. By selecting the Scroll Options selection 1412 of the Configure menu 1410, a user can access various menus for configuration illustrated in Figures 15-17.

A configuration menu system 1510, shown in Figure 15, is accessed by activating the Scroll Options selection 1412 (see Figure 14) of the Configure menu 1410 of the pop-down menu controls 214. The configuration menu system 1510 has a Home and Search selection 1512, a Scroll Marks selection 1514, a Configure selection 1516, an About selection 1518, and a Help selection 1520. Activation of the About selection 1518 and the Help selection 1520 provides information about the particular release number of the current menu display system and help information about

particular functions and features of the web page display system. These functions are well known and need not be described herein. As shown on Figure 15, two lists of URLs are displayed when the Home and Search selection 1512 is selected. A Default Home Sites list 1522 of the Home and Search Selection 1512 contains URLs for the predetermined web page sites for display panes 212a-d. Panes 1-4 on the Default Home Sites list 1522 correspond to display panes 212a-d, respectively.

For example, Pane 1 shown in Figure 2 has a URL of "http://www.katiesoft.com/update1.htm." Given this designation for the default home site of display pane 212a, when a user selects the home control 228 of the individual display pane 212a shown in Figure 2, a web page having an address with the URL of "http://www.katiesoft.com/update1.htm" is downloaded into the web page display system and displayed in display pane 212a. If the two web page display 610 is currently being displayed, then Pane 2 would also be used for display pane 212b. If the three web page display 510 is being used, then Panes 1-3 would be used. Finally, if the four web page display 210 is being used, then Panes 1-4 would be used. The Default Search Sites list 1524 is used in a manner similar to the way in which the Default Home Sites list 1522 is used. For the case of the Default Search Sites list 1524, the search controls 230 of the individual display panes 212 are used to activate the corresponding Default Search Sites list 1524. It should be noted that the user can independently specify a default home web site and a default search web site for each display pane. Although illustrated with four display panes 212a-212d, the present invention is not limited by the number of display panes.

When the ScrollMarks selection 1514 of the configuration menu system 1510 has been selected, a group of URLs 1610 is displayed, as illustrated in Figure 16. A list of URLs 1610 is shown for a group having a group name 1612 of "Group 1." However, the user may select any convenient group name. Selection tab 1614 allows a user to select other groups from a pop-down list of groups 1710, as shown in Figure 17. Other groups may be readily selected by the user with conventional "point and click" techniques using the mouse input device 120 (see Figure 1). When another group is selected, the list of URLs 1610 changes to the list of URLs of the currently selected

group. The user can edit the currently selected list using conventional editing techniques. A Save button 1616 of the Scroll Marks selection 1514 is selected by a user to save any changes made to the currently displayed URL list 1610. The currently displayed URL list 1610 of the configuration menu system 1510 is also shown by the URL indicators 232 when the access control 234 is selected, as shown in Figure 2. Since each display pane 212 has a URL indicator 232, each display pane 212 displays the current URL list 1610 when the access control 234 of any one of the display panes 212 is selected.

For example, a user can create groups of URL list containing up to twenty web pages on the subjects of fishing, baseball, investments, education, or the arts. To access web pages on a particular subject, the user first selects the group corresponding to the particular subject of interest and then manually selects a web page from the selected URL list 1610 through the use of the URL indicator 232 and the access control 234 of one or more display panes 212. Figure 18 illustrates a pop-down list of URLs 1810 displayed in the URL indicator 232 of the display pane 212a. The user can go directly to one of these listed URLs by using point and click features of the mouse input device 120. Alternatively, the user can scroll through the web pages of the selected URL list 1610 by using the Scroll Forward selection 1116 or the Scroll Back selection 1118 of the ScrollMarks menu 1110 shown in Figure 11.

Figure 19 illustrates the Configure selection 1516 (see Figure 15) of the configuration menu system 1510, including Start Up options 1910, ScrollShow options 1920, and Auto Refresh options 1930. The Start Up options 1910 include a checkbox for navigating to sites last viewed on startup, a checkbox for tiling the display panes 212 vertically in the two web page display 610 (see Figure 6), and a user-selectable option for a designated number of display panes 212 displayed on startup of the web page display system.

The ScrollShow options 1920 include a user-selectable option for a number of web page sites to advance back or forward when the Scroll forward 1116 (see Figure 11) or Scroll Back 1118 selection is selected, and a checkbox to lock the display pane 212a in the ScrollShow mode such that the web page displayed in the

display pane 212a is not changed when a user scrolls forward or backwards using the Scroll Forward selection 1116 (see Figure 11) or the Scroll Back selection 1118 of the ScrollMarks menu 1110. The Auto Refresh options 1930 include a checkbox to allow autorefresh for each of the display panes 212a-212d and a user-selectable option that
 5 allows the user to designate how often the currently displayed web page in each individual display pane 212 is downloaded from the web page site to refresh the display.

In a further embodiment, a "Default" check box is found in the configuration menu system 1510. Activation of the Default checkbox 1940 of Figure
 10 19 changes file associations stored in the registry file of the computer operating system to select the present invention as the default browser. Procedures for changing file associations are well known in the art. As a result of the modified file associations, if the URL of a particular htm, http, html, or similar file is activated by a user typically clicking on the URL using the input mouse device 120, execution of the web page
 15 display of the further embodiment is initiated if the web page display is not already active. The URL is found typically in word processing documents, e-mail documents or other computer files typically not displayed with a web browser. The associated htm, http, html, or similar files are typically found on a web site 132 on a network 130 or a local computer workstation user terminal 110.

Figure 20 illustrates a help menu 2010 of the pop-down menu control 214, which has a Contents selection 2012, a Product Updates selection 2014, and an About selection 2016. The Contents selection 2012 and the About selection 2016 access the configuration menu system 1510. The Product Updates selection 2014 accesses a web page containing information about product updates of the web page
 20 display system.
 25

From the foregoing it will be appreciated that, although specific embodiments of the invention have been described herein for purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention. Accordingly, the invention is not limited except as by the appended claims.

CLAIMS

1. A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

2. The display system of claim 1 wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.

3. The display system of claim 1 wherein the computer system includes a modem for accessing the network.

4. The display system of claim 1 wherein the computer system includes a network controller for accessing the network.

5. The display system of claim 1 wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites.

6. The display system of claim 5 wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas.

7. The display system of claim 5 wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites.

8. The display system of claim 7 wherein the selected list of web sites has a sequence and the predetermined order of display for one display area is different from the sequence of the selected list of web sites.

9. A display system for displaying web pages, the display system comprising:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.

10. The system of claim 9, further including a software program configured to be executed in one instance to provide support including communications support for all of the display areas.

11. The system of claim 9 wherein the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device.

12. The system of claim 9 wherein a total area of the plurality of non-overlapping display areas remains constant.

13. The system of claim 9 wherein the display controls of the display includes a designator control operable by a user to designate the number of the plurality of non-overlapping display areas.

14. The system of claim 9 wherein the display controls of the display comprises refresh, stop, home, and search controls.

15. The system of claim 9 wherein the independent display area controls each comprise controls selected from a list of controls comprising back, forward, stop, refresh, search, and web page selection.

16. The system of claim 9 wherein the web pages include Internet web pages.

17. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator.

18. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a portion of the display other than the overlapping display areas into a display area, the display area configured to display a web page associated with the dropped uniform reference locator.

19. A method of displaying web pages comprising:
requesting web pages from web page sites;
receiving the requested web pages from web page sites;

displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having a size;

changing the size of a first web page displayed in response to a sizing control command; and

resizing the web pages other than the first web page to maintain the size of the display area of all the web pages.

20. The method of claim 19, further comprising:

dragging a uniform resource locator from a portion of the display;

dropping the uniform resource locator on to one of the displayed web pages;

and

displaying a web page from a web page site associated with the uniform resource locator.

21. The method of claim 19, further including:

executing only one instance of a software program that manages the method of displaying web pages.

22. The method of claim 19 wherein requesting web pages is done with one control action for all requested web pages.

23. The method of claim 19, further comprising:

selecting a uniform resource locator with a single action of an input device controlling a cursor;

repositioning the cursor over one of the displayed web pages; and

displaying a web page from a web page sit associated with the uniform resource locator.

WEB PAGE DISPLAY SYSTEM

ABSTRACT OF THE DISCLOSURE

A display system displays web pages from web sites located on data communications networks such as the Internet network. The display system has display controls and a plurality of non-overlapping display areas. Each display area has independent display area controls and independently displays a web page. The display controls include a sizing control operable by a user to alter a size of all display areas simultaneously with one control action. The display system in an embodiment includes a browser software program to provide communications and display support. The browser software program is executed in only one instance to provide the support for the plurality of display areas. The display controls also include a designator control operable by a user to designate the number of the non-overlapping display areas to be displayed. The display controls also include a drag and drop control for universal reference locators.

WPN/520044/401-AP-V7

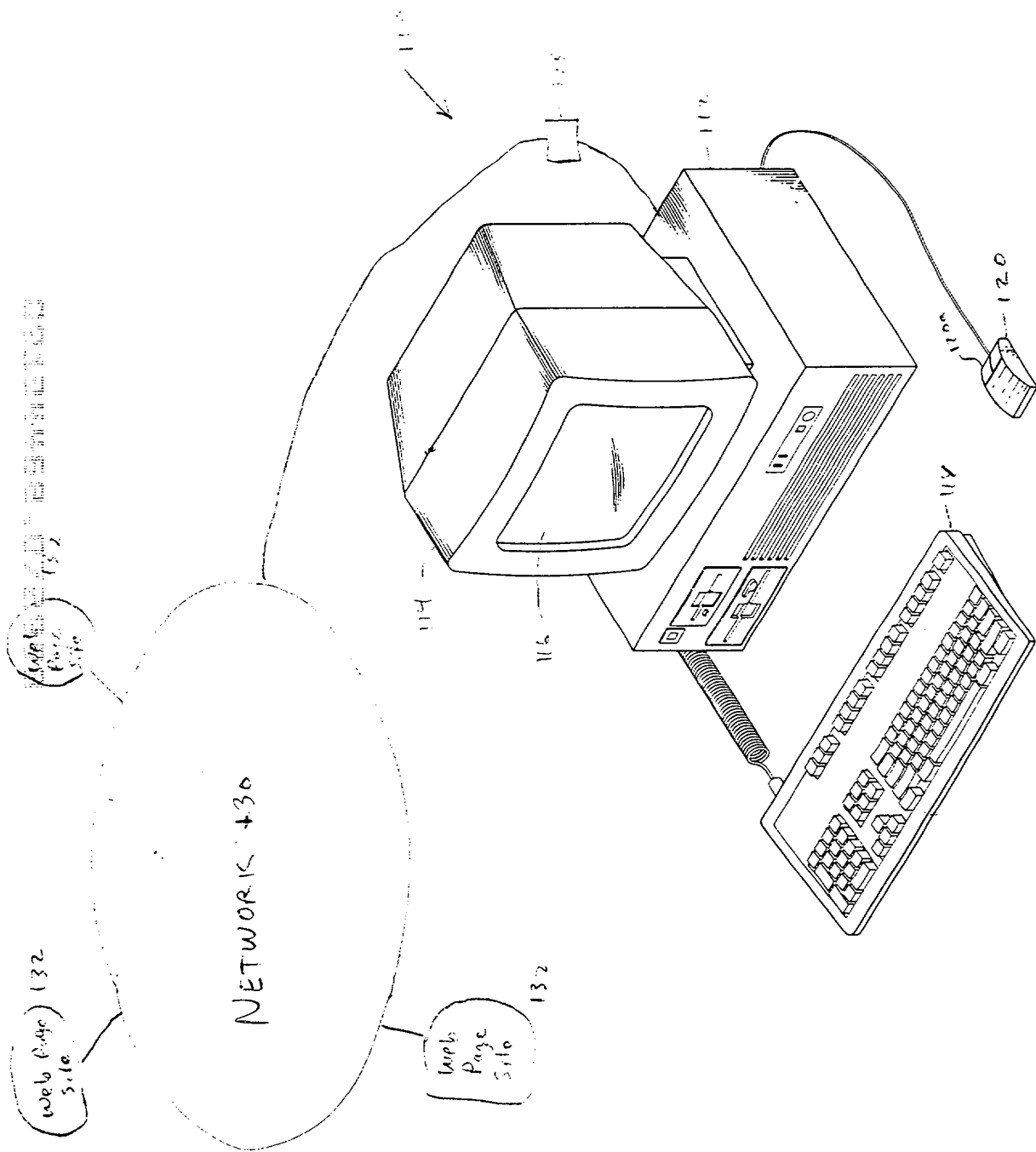


FIG. 1

210

210 212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242 244 246 248 250 252 254 256 258 260 262 264 266 268 270 272 274 276 278 280 282 284 286 288 290 292 294 296 298 300 302 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336 338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372 374 376 378 380 382 384 386 388 390 392 394 396 398 400 402 404 406 408 410 412 414 416 418 420 422 424 426 428 430 432 434 436 438 440 442 444 446 448 450 452 454 456 458 460 462 464 466 468 470 472 474 476 478 480 482 484 486 488 490 492 494 496 498 500 502 504 506 508 510 512 514 516 518 520 522 524 526 528 530 532 534 536 538 540 542 544 546 548 550 552 554 556 558 560 562 564 566 568 570 572 574 576 578 580 582 584 586 588 590 592 594 596 598 600 602 604 606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636 638 640 642 644 646 648 650 652 654 656 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686 688 690 692 694 696 698 700 702 704 706 708 710 712 714 716 718 720 722 724 726 728 730 732 734 736 738 740 742 744 746 748 750 752 754 756 758 760 762 764 766 768 770 772 774 776 778 780 782 784 786 788 790 792 794 796 798 800 802 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836 838 840 842 844 846 848 850 852 854 856 858 860 862 864 866 868 870 872 874 876 878 880 882 884 886 888 890 892 894 896 898 900 902 904 906 908 910 912 914 916 918 920 922 924 926 928 930 932 934 936 938 940 942 944 946 948 950 952 954 956 958 960 962 964 966 968 970 972 974 976 978 980 982 984 986 988 990 992 994 996 998 1000

210 212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242 244 246 248 250 252 254 256 258 260 262 264 266 268 270 272 274 276 278 280 282 284 286 288 290 292 294 296 298 300 302 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336 338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372 374 376 378 380 382 384 386 388 390 392 394 396 398 400 402 404 406 408 410 412 414 416 418 420 422 424 426 428 430 432 434 436 438 440 442 444 446 448 450 452 454 456 458 460 462 464 466 468 470 472 474 476 478 480 482 484 486 488 490 492 494 496 498 500 502 504 506 508 510 512 514 516 518 520 522 524 526 528 530 532 534 536 538 540 542 544 546 548 550 552 554 556 558 560 562 564 566 568 570 572 574 576 578 580 582 584 586 588 590 592 594 596 598 600 602 604 606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636 638 640 642 644 646 648 650 652 654 656 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686 688 690 692 694 696 698 700 702 704 706 708 710 712 714 716 718 720 722 724 726 728 730 732 734 736 738 740 742 744 746 748 750 752 754 756 758 760 762 764 766 768 770 772 774 776 778 780 782 784 786 788 790 792 794 796 798 800 802 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836 838 840 842 844 846 848 850 852 854 856 858 860 862 864 866 868 870 872 874 876 878 880 882 884 886 888 890 892 894 896 898 900 902 904 906 908 910 912 914 916 918 920 922 924 926 928 930 932 934 936 938 940 942 944 946 948 950 952 954 956 958 960 962 964 966 968 970 972 974 976 978 980 982 984 986 988 990 992 994 996 998 1000

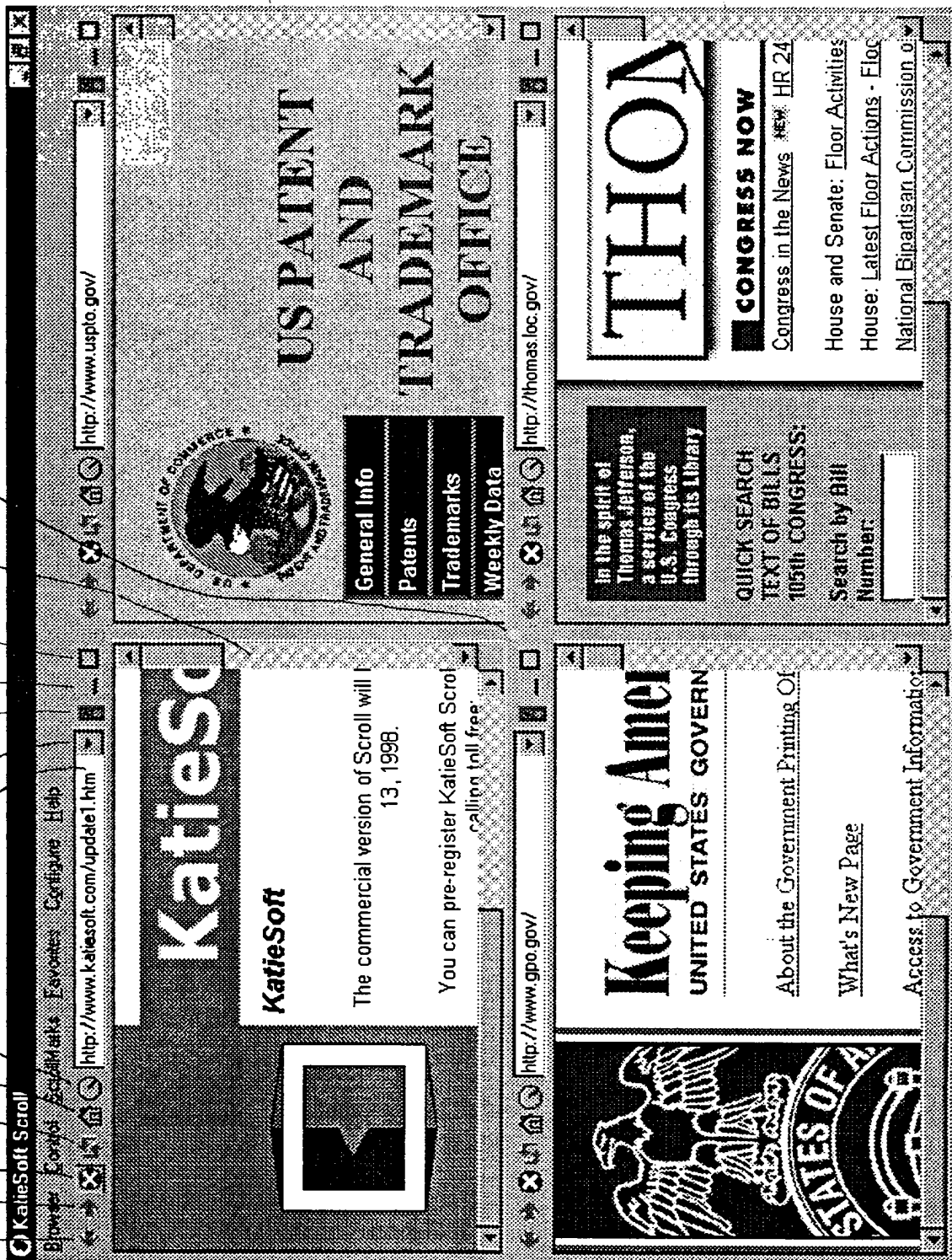


FIG. 2

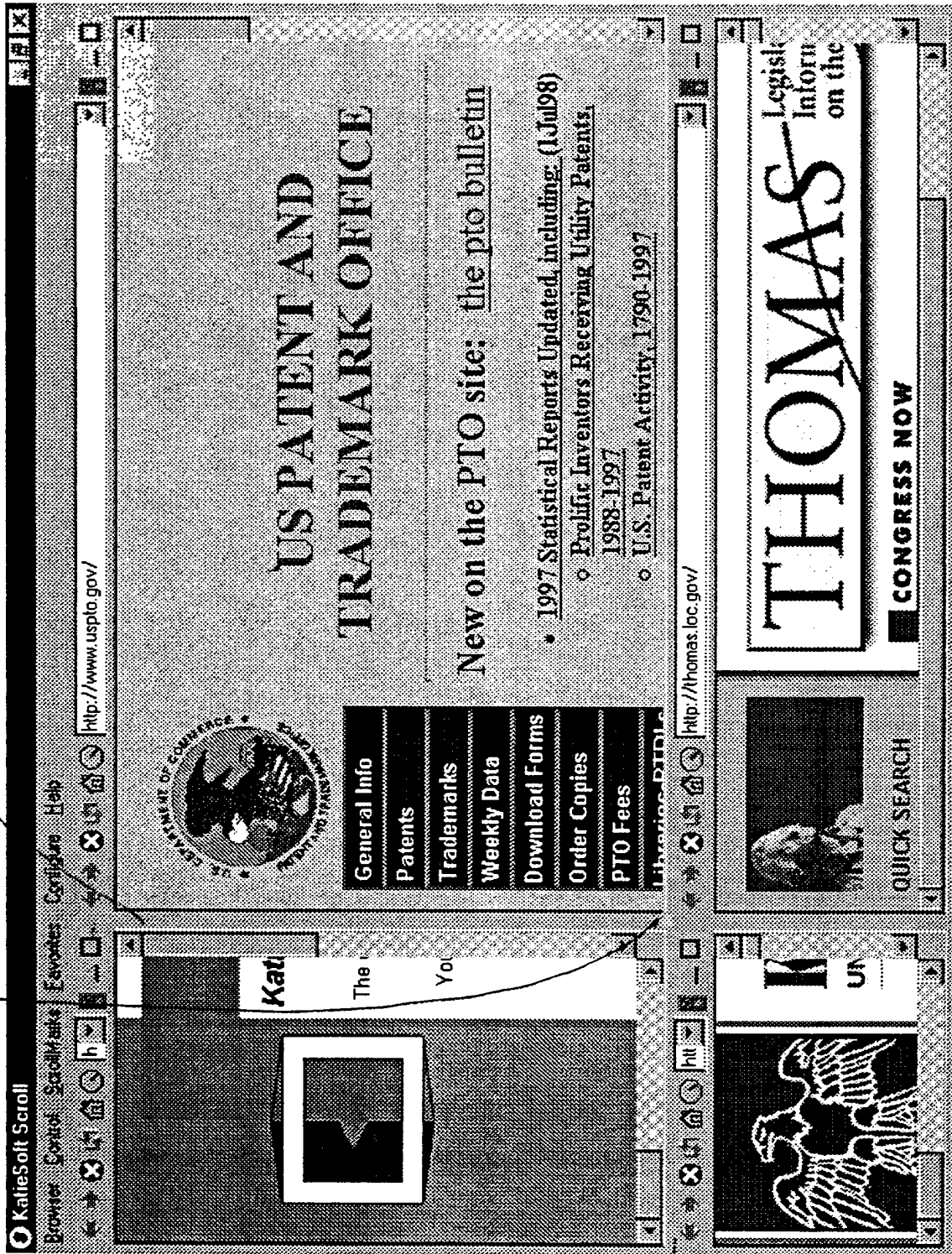


FIG. 3

510

220a

217b

212c

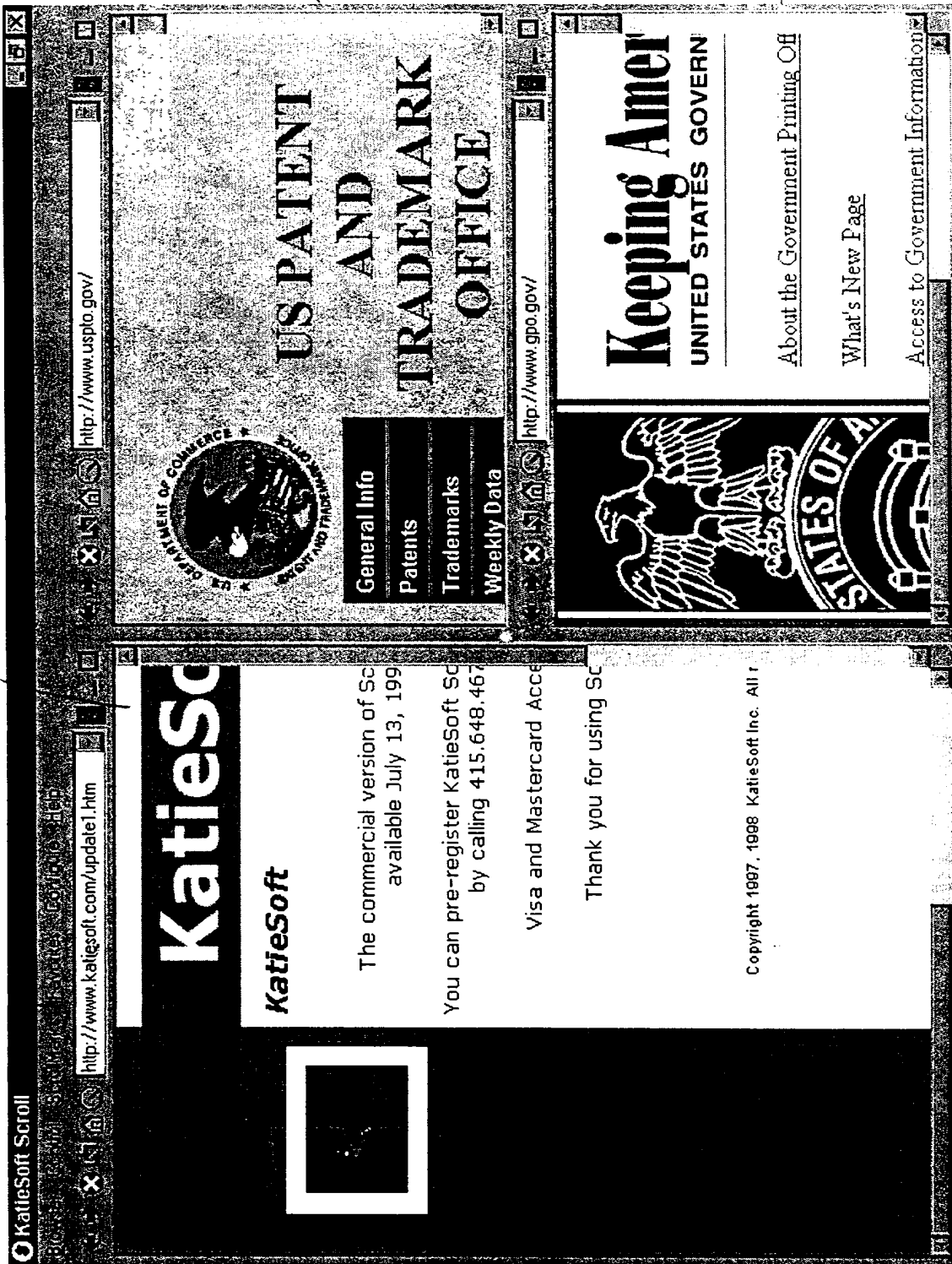


FIG. 5

610

2700

2120

2120

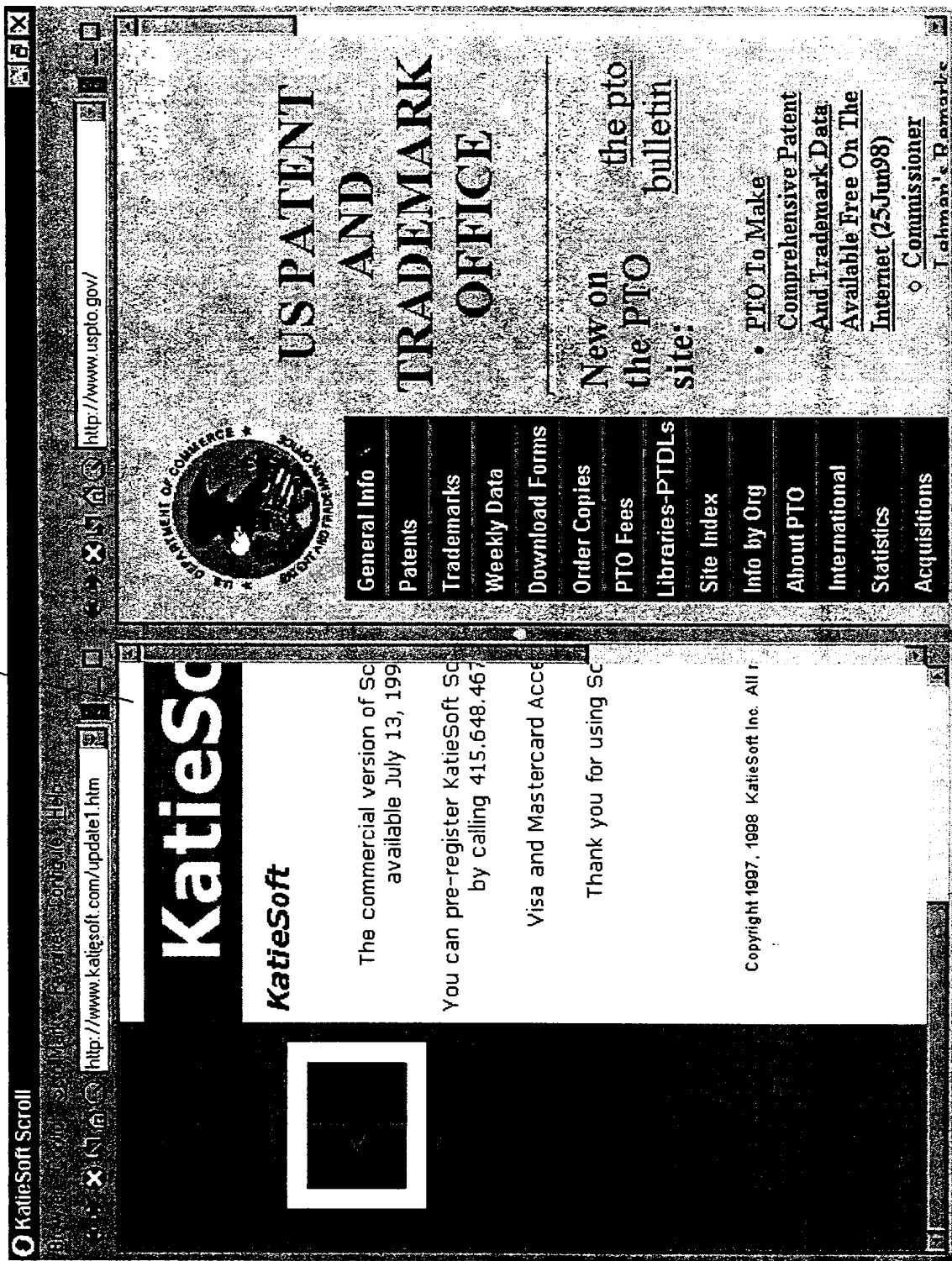


FIG. 6

5562237 B311E760

710

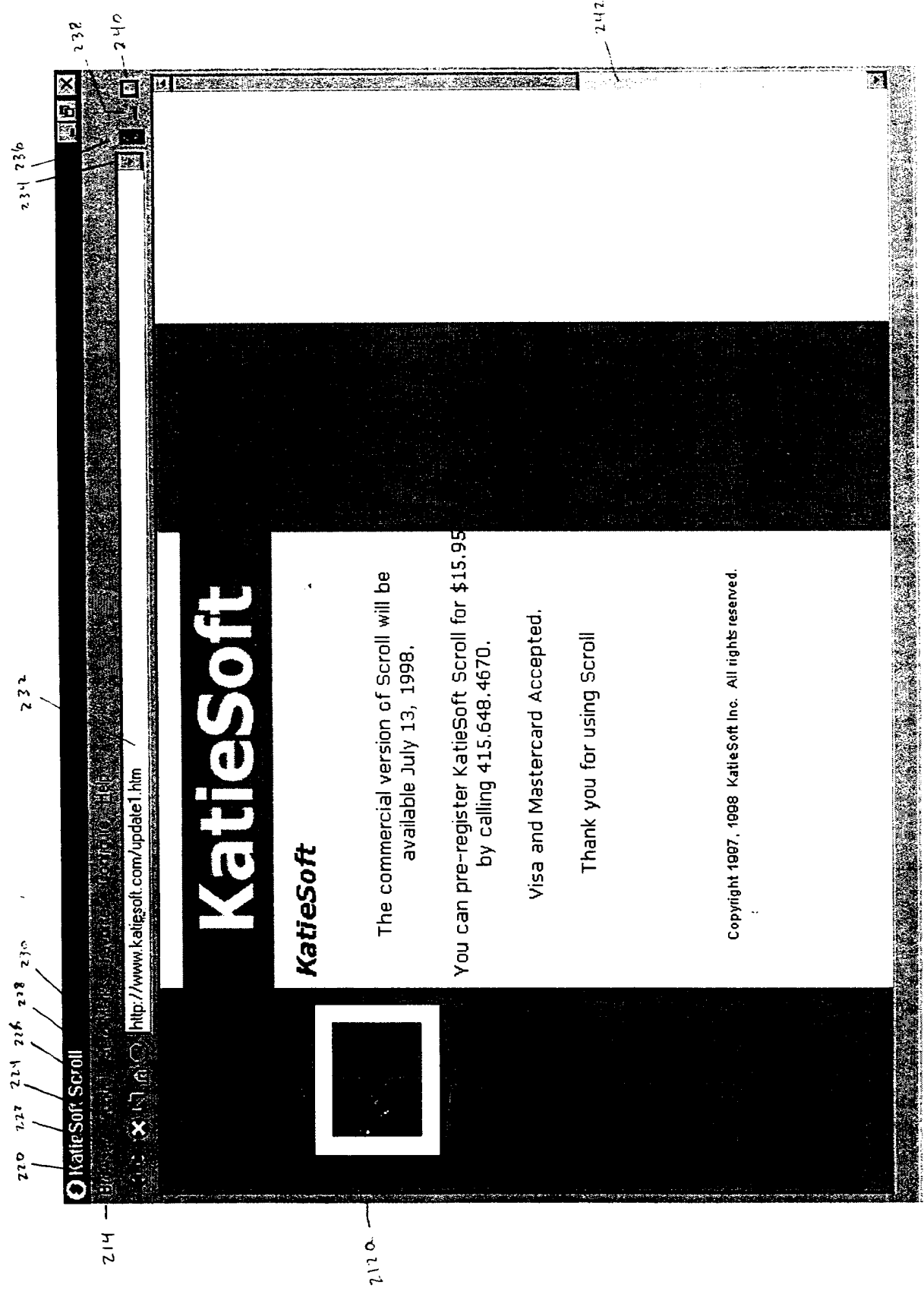


FIG. 7



FIG. 9

1010



214
1012
1014
1016
1018

217

212

FIG. 10

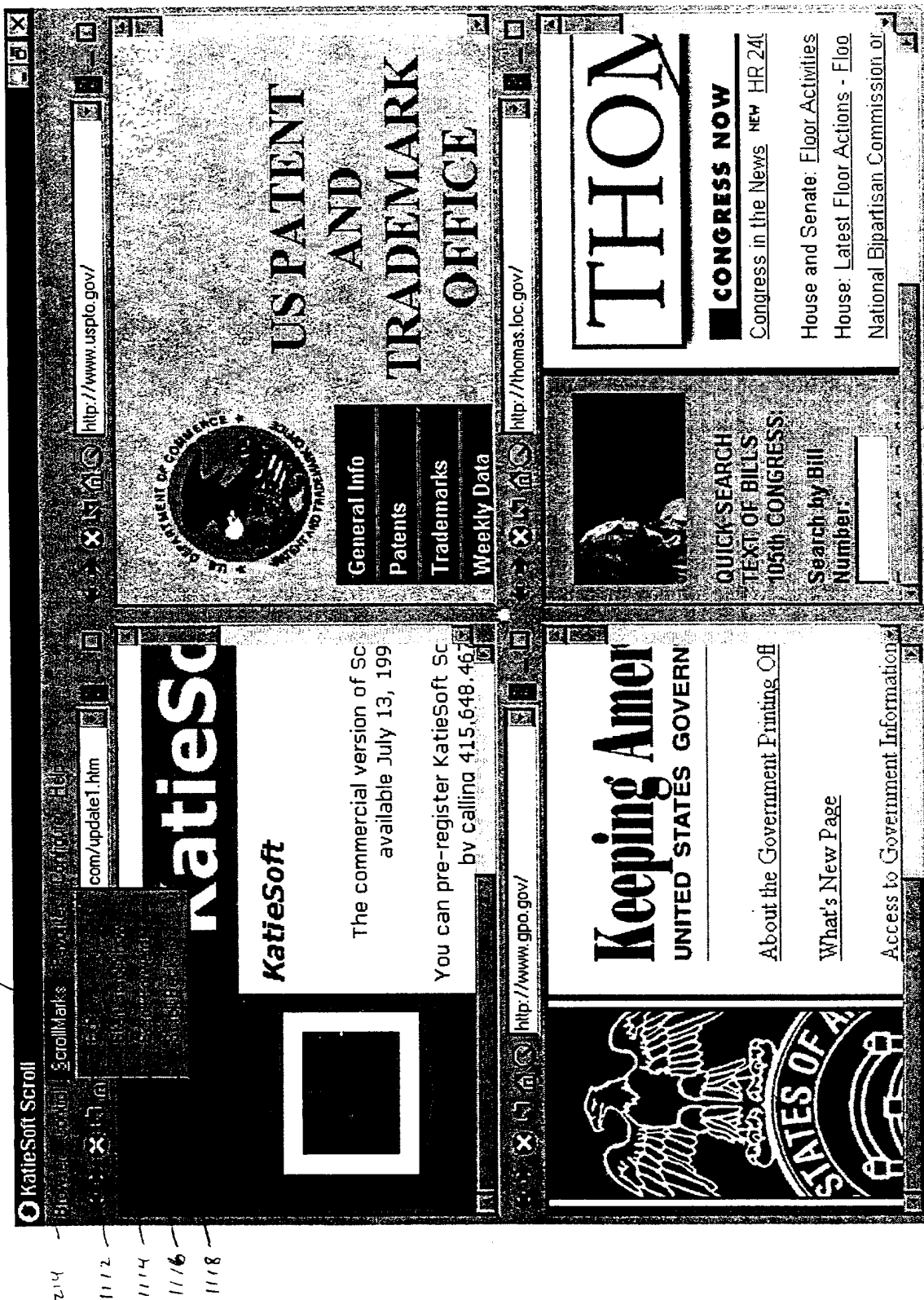


FIG. 11



FIG. 12

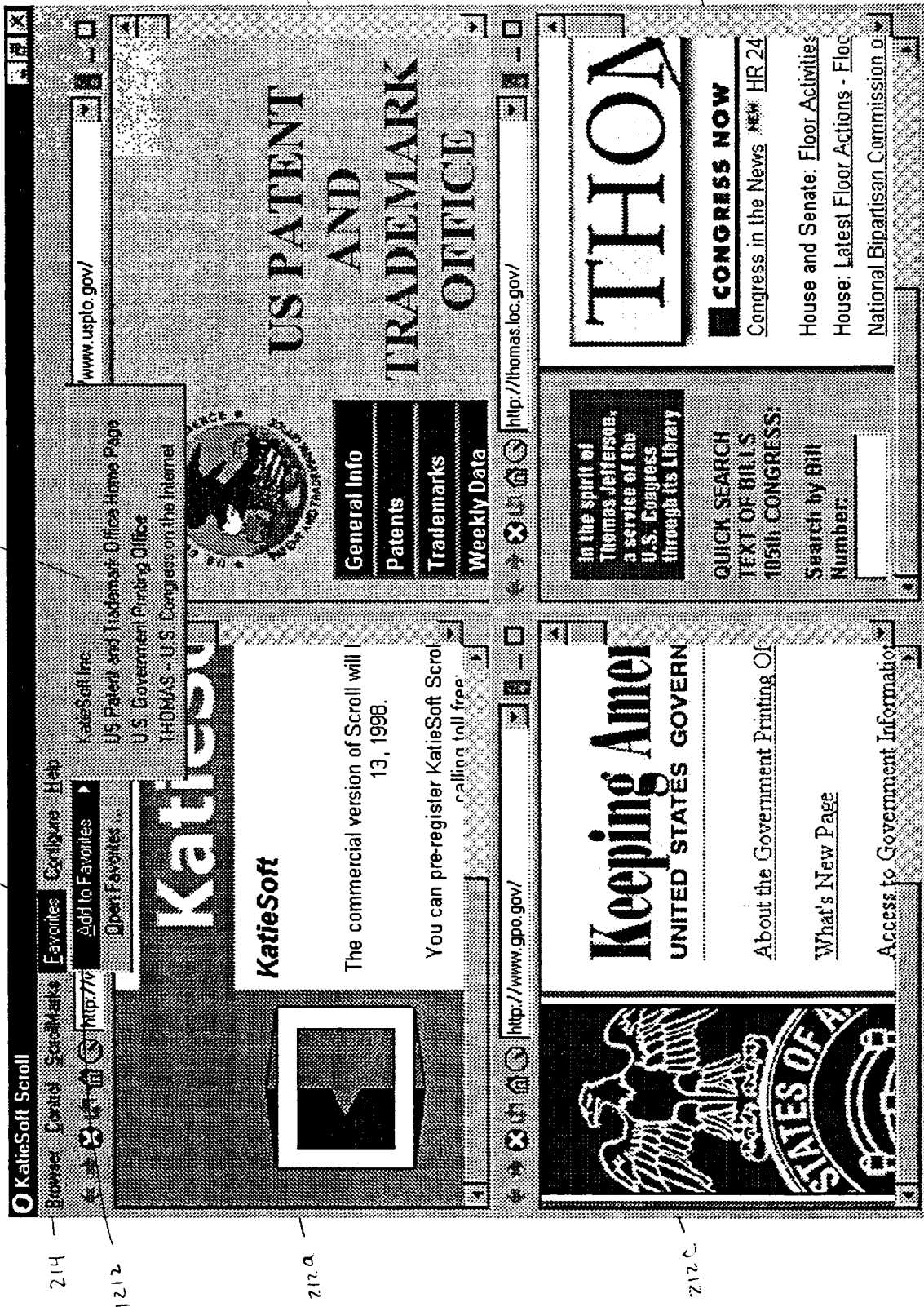


FIG. 13

210 ✓

1410



214

1412

1414

FIG. 14

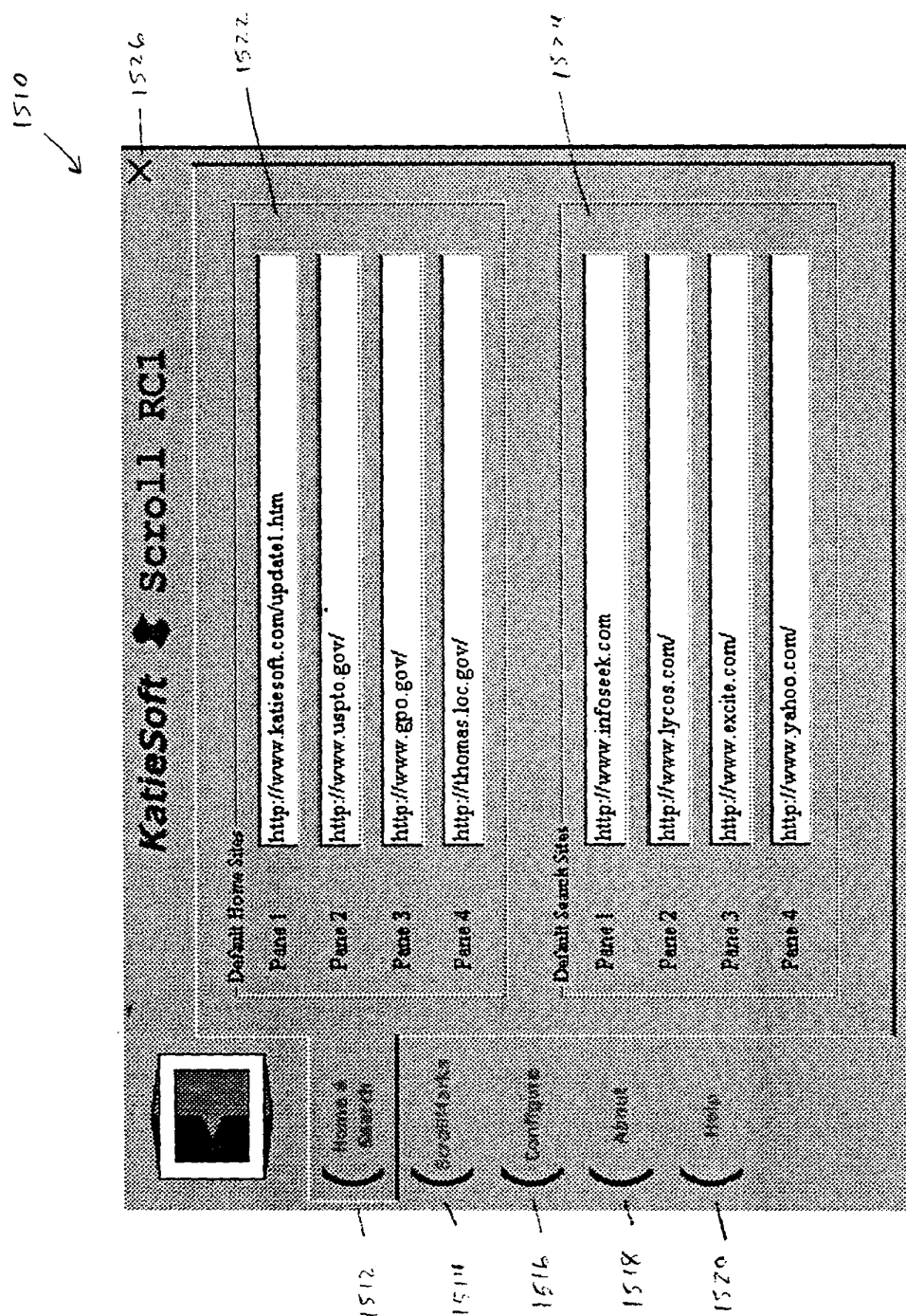


Fig. 15

KatieSoft Scroll RC1

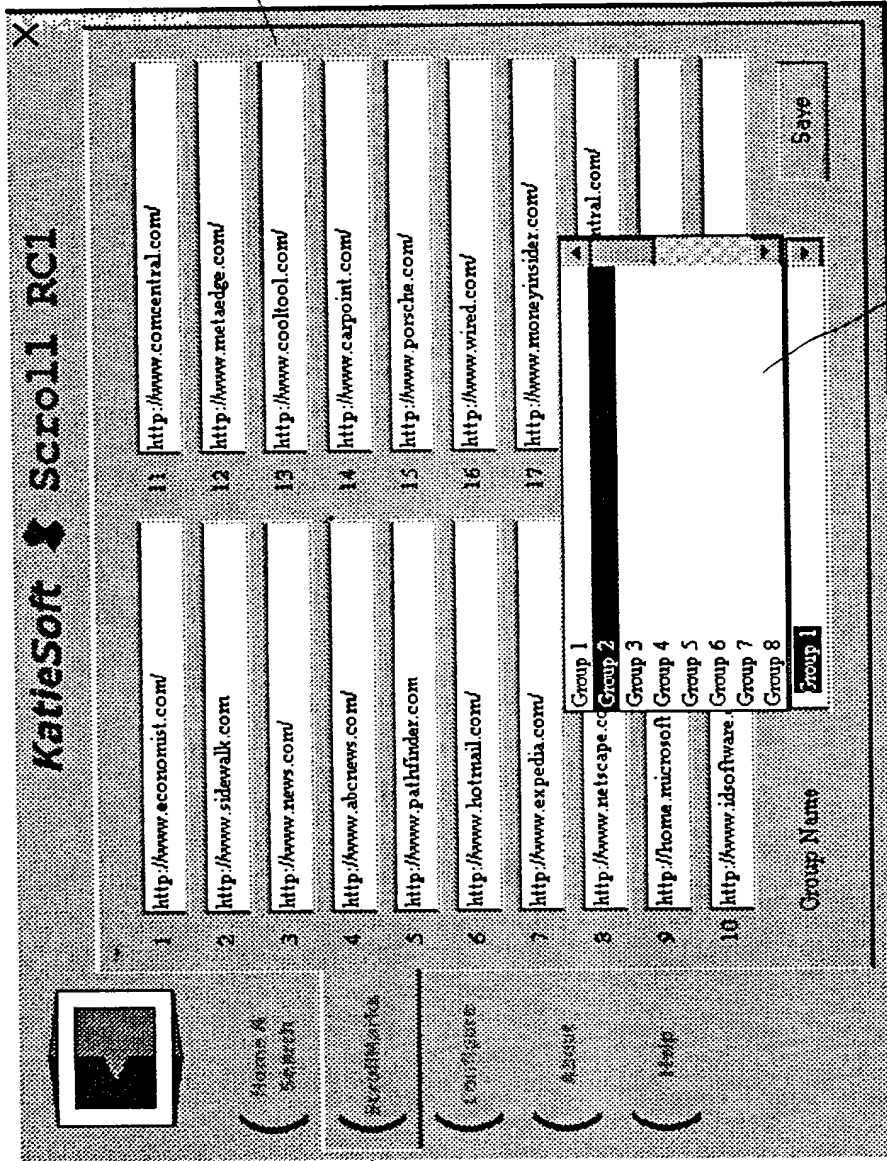
Home & Search (1514) | About (1512) | Help (1512)

1	http://www.katiesoft.com/update1.htm	11	http://www.concentral.com/
2	http://www.economist.com/	12	http://www.mataedge.com/
3	http://www.sidewalk.com	13	http://www.cooltool.com/
4	http://www.news.com/	14	http://www.carpoint.com/
5	http://www.abnews.com/	15	http://www.porsche.com/
6	http://www.pathfinder.com	16	http://www.wired.com/
7	http://www.hotmail.com/	17	http://www.moneyinsider.com/
8	http://www.expedia.com/	18	http://www.computingcentral.com/
9	http://home.microsoft.com/	19	http://www.jfax.com
10	http://www.idsoftware.com/	20	http://www.zinet.com/

Group Name: Group 1 (1612) | Save (1616)

FIG. 16

1510



1610

1514

1710

FIG. 17



Petitioner Microsoft - Ex. 1012, p. 46

1510



Scroll Rate

☐ On Startup, Navigate to Sites List Viewed

☒ On Startup, Navigate to Windows, My Computer, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

☐ On Startup, Navigate to Windows, My Recent Places

1516

FIG. 19

2010 2012 2014 2016

210

2010

2012 2014 2016



KatieSoft

The commercial version of Sc available July 13, 199

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House: Latest Floor Actions - Floor
National Bipartisan Commission on

QUICK SEARCH
TEXT OF BILLS
105th CONGRESS

Search by Bill Number

FIG. 20

EXPRESS MAIL NO. EMI75691174US

1

DECLARATION AND POWER OF ATTORNEY

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "WEB PAGE DISPLAY SYSTEM," which is described and claimed in the foregoing specification and for which a patent is sought.

We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT I. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; MAURICE J. PIRIO, Reg. No. 33,273; KARL R. HERMANN, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; ROBERT IANNUCCI, Reg. No. 33,514; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; BRYAN A. SANTARELLI, Reg. No. 37,560; CAROL NOTTENBURG, Reg. No. 39,317; CRAIG S. JEPSON, Reg. No. 33,517; PAUL T. PARKER, Reg. No. 38,264; JOHN C. STEWART, Reg. No. 40,188; DAVID W. PARKER, Reg. No. 37,414; ROBERT E. MATES, Reg. No. 35,271; BRIAN G. BODINE, Reg. No. 40,520; FRANK ABRAMONTE, Reg. No. 38,066; E. RUSSELL TARLETON, Reg. No. 31,800; FREDERICK M. FLIEGEL, Reg. No. 36,138; JAN C. L. MAXWELL, Reg. No. 41,181; THOMAS L. EWING, Reg. No. 34,328; CLIFTON G. GREEN, Reg. No. 41,044; KEVIN S. COSTANZA, Reg. No. 37,801; DALE C. BARR, Reg. No. 40,498; KEVIN S. ROSS, Reg. No. P-42,116; PAUL F. RUSYN, Reg. No. P-42,118; JOHN M. WECHKIN, Reg. No. P-42,216; THOMAS E. LOOP, Reg. No. P-42,810; STEPHEN J. ROSENMAN, Reg. No. P-43,058; and BRIAN L. JOHNSON, Reg. No. 40,033, comprising the firm of SEED AND BERRY LLP, 6300 Columbia Center, Seattle, Washington 98104-7092, as our attorneys to prosecute this application and transact all business in the Patent and Trademark Office

connected therewith. Please direct all telephone calls to **Brian L. Johnson** at (206) 622-4900 and telecopies to (206) 682-6031.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.


 Brian Gerard Duperrouzel

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 Angus McNab Chassels IV

Date

7/27/98

Residence

City of San Francisco, County of San Francisco
 State of California

Citizenship

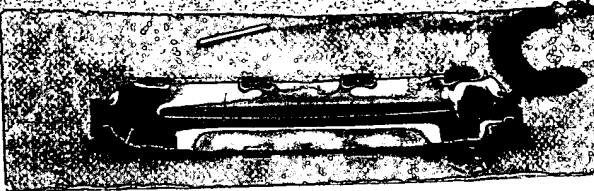
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391 Green Street
 San Francisco, California 94133

07/29/98

	Class	Subclass
ISSUE CLASSIFICATION		



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SECTOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
	345	342127	2173	Xu Ming-bao

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☐ TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg	Flgs. Drwg	Print Flg	Total Claims	Print Claim for O'G
☐ a) The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner) _____ (Date)			NOTICE OF ALLOWANCE MAILED	
☐ b) The term of this patent shall not extend beyond the expiration date of U.S. Patent No. _____	_____ (Primary Examiner) _____ (Date)			ISSUE FEE	
				Amount Due	Date Paid
☐ c) The terminal _____ months of this patent have been disclaimed.	_____ (Legal Instruments Examiner) _____ (Date)			ISSUE BATCH NUMBER	

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Class	Sub.	Date	Exmr.
345 ↓	326 341 340 348 349	11-06-00 ↓	TH ↓
797 ↓	500 513	↓	↓
345 ↓	792 800	7-20-01 ↓	TH ↓
345 ↓	760 738	7-26-01 ↓	TH
Updrk Sars AZ Above	Sars	03/29/03	W
Updrk Sars Sars	Sars		W

	Date	Exmr.
WEST	11-06-00	TH
WEST	F-26-01	TH
Feet Search	08/03/99	CW

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POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	Sm		8/7/98
O.I.P.E. CLASSIFIER		5	8-10-98
FORMALITY REVIEW	AC	71470	8/20/98

INDEX OF CLAIMS

☒ Rejected
☐ Allowed
☐ (Through numeral) Canceled
☐ Restricted
☐ N
☐ I
☐ A
☐ O
☐ Non-elected
☐ Interference
☐ Appeal
☐ Objected

Claim	Date
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Petitioner Microsoft - Ex. 11

UTILITY

PATENT APPLICATION
TRANSMITTAL

Attorney Docket No.

520044.401

First Inventor or Application Identifier

Brian Gerard Duperrouzel

Title

WEB PAGE DISPLAY SYSTEM

Express Mail Label No.

EM175691174US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Box Patent Application
Assistant Commissioner for Patent
Washington, D.C. 202311. ☒ General Authorization Form & Fee Transmittal
(Submit an original and a duplicate for fee processing)6. ☐ Microfiche Computer Program (Appendix)2. ☒ Specification [Total Pages] 26
(preferred arrangement set forth below)7. Nucleotide and Amino Acid Sequence Submission
(if applicable, all necessary)

- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

- a. ☐ Computer-Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

3. ☒ Drawing(s) (35 USC 113) [Total Sheets] 20

ACCOMPANYING APPLICATION PARTS

4. Oath or Declaration [Total Pages] 2

- 8. ☐ Assignment Papers (cover sheet & document(s))
- 9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- 10. ☐ English Translation Document (if applicable)
- 11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- 12. ☐ Preliminary Amendment
- 13. ☒ Return Receipt Postcard
- 14. ☐ Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
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- 16. ☒ Other: Certificate of Express Mail
Check No. 53678 for \$855.00

a. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)

- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

5. Incorporation By Reference (useable if box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: _____

Prior application information: Examiner _____ Group / Art Unit _____

☐ Claims the benefit of Provisional Application No. _____

CORRESPONDENCE ADDRESS

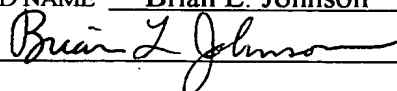
Brian L. Johnson
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(206) 682-6031 fax

Respectfully submitted,

TYPED or PRINTED NAME Brian L. Johnson

REGISTRATION NO. 40,033

SIGNATURE



Date

July 28, 1998

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Docket No. : 520044.401
Date : July 28, 1998

Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

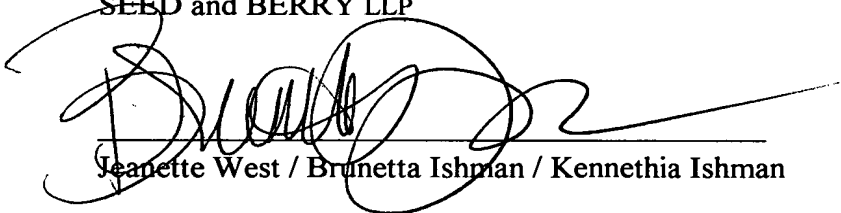
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SEED and BERRY LLP


Jeanette West / Brunetta Ishman / Kennethia Ishman

BLJ:tdg

Enclosures:

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Form PTO/SB/05
General Authorization Under 37 C.F.R. § 1.136(a)(3) and Fee Transmittal (+ copy)
Specification, Claims, Abstract (26 pages)
20 Sheets of Drawings (Figures 1-20)
Declaration and Power of Attorney

c:\tdg\0008.v1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Title : WEB PAGE DISPLAY SYSTEM
Docket No. : 520044.401
Date : July 28, 1998



Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

GENERAL AUTHORIZATION UNDER 37 C.F.R. § 1.136(a)(3)
AND FEE TRANSMITTAL

Sir:

With respect to the above-identified application, the Assistant Commissioner is authorized to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time. The Assistant Commissioner is also authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 19-1090.

With respect to the above-identified application, the fee is calculated below:

For	Number filed	Number extra		Rate		
Basic Fee						\$ 790.00
Total Claims	23	3	X	\$ 22.00	=	\$ 66.00
Independent Claims	3	0	X	\$ 82.00	=	\$ 0
TOTAL FILING FEE						\$ 855.00

A check in the amount of \$855.00 is enclosed to cover the filing fee.

The Assistant Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required, or credit any overpayment, to Deposit Account No. 19-1090. A duplicate copy of this request is enclosed.

Date July 28, 1998

Brian L. Johnson
Brian L. Johnson
Registration No. 40,033

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701 Fifth Avenue
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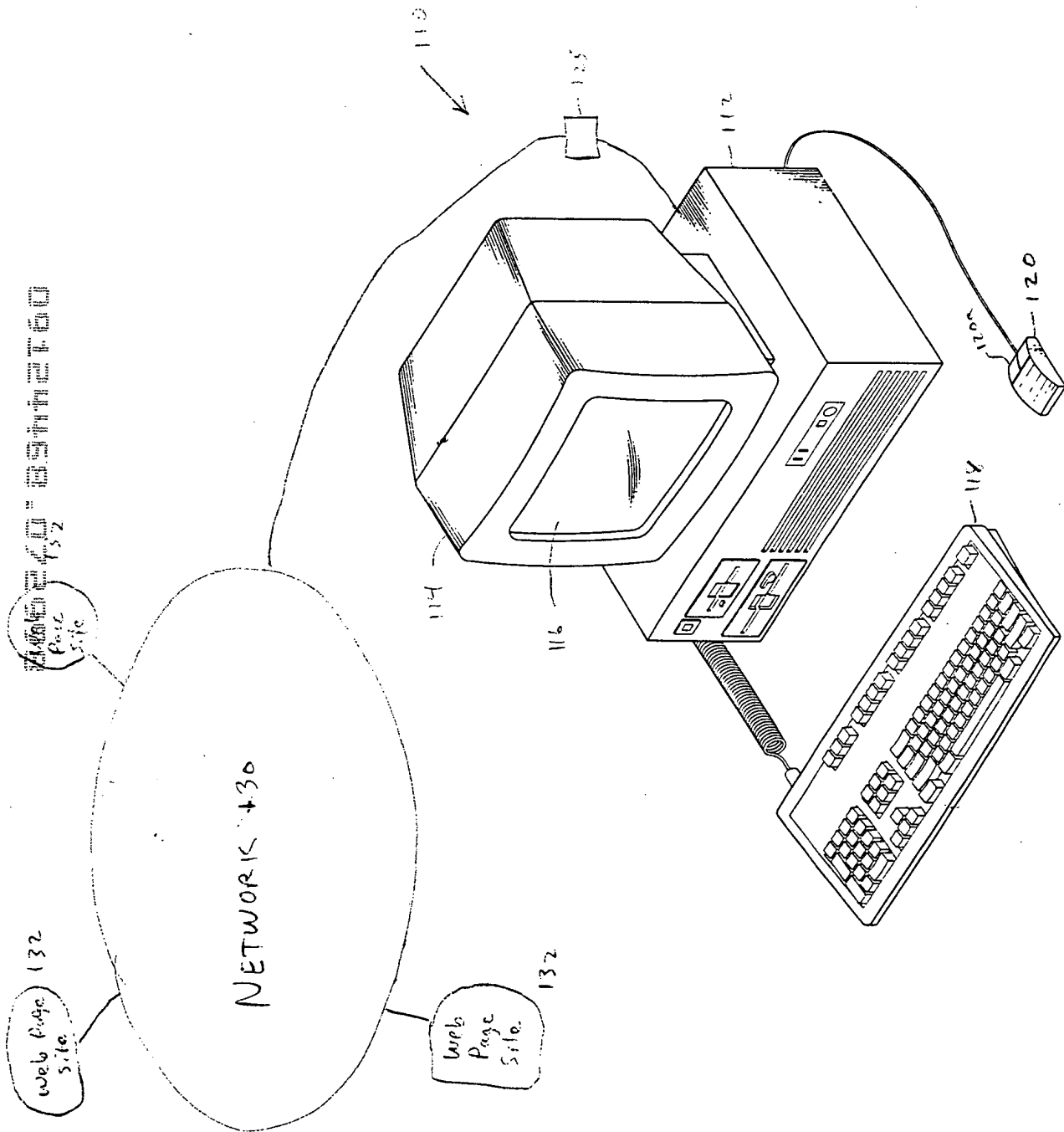


FIG. 1

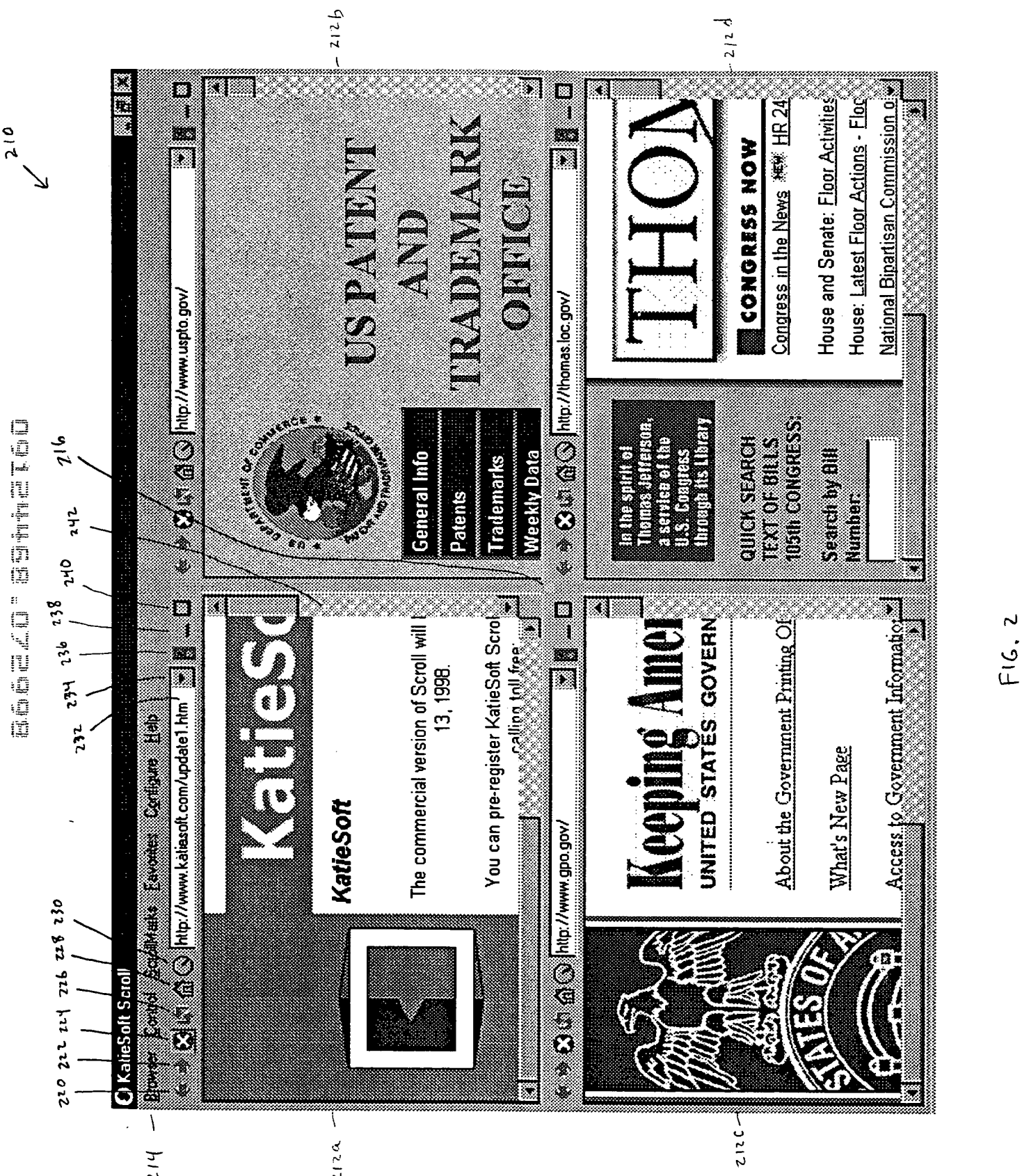
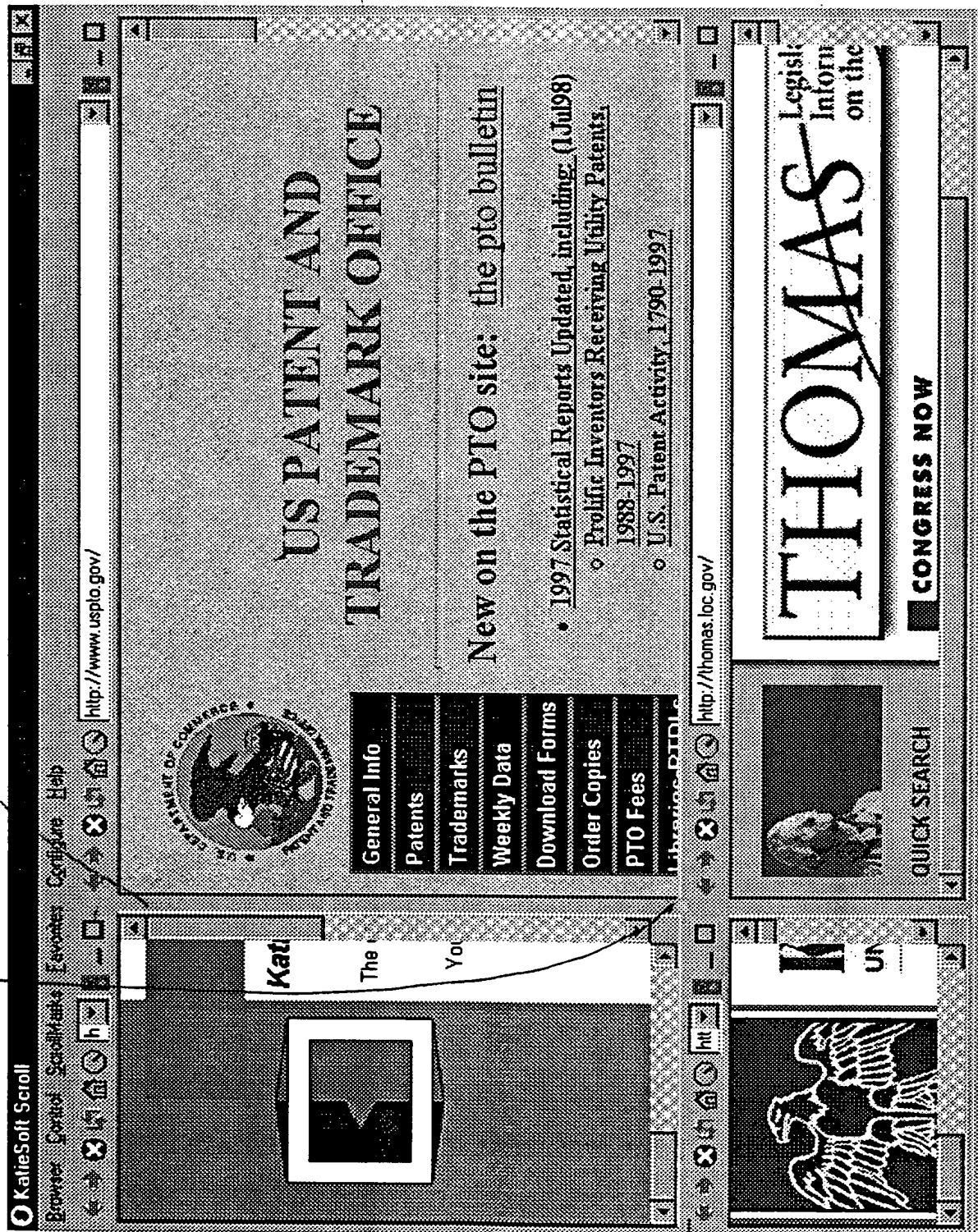


FIG. 2

218

216



212a

210

217c

FIG. 3



P. 2. 2. 1

510

220a

212a

217b

212c

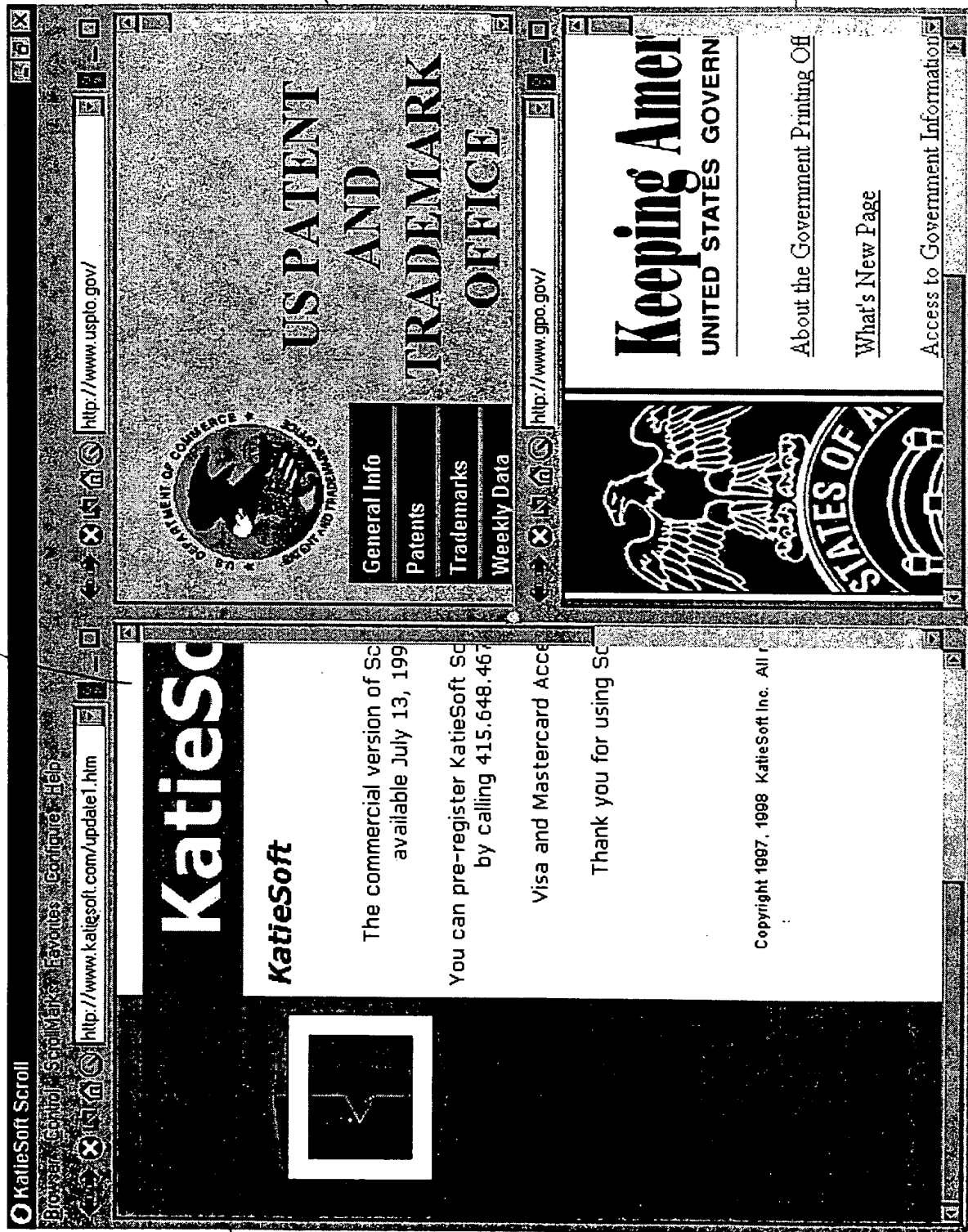


FIG. 5

610-2700-2120

610

2700

2120

2120

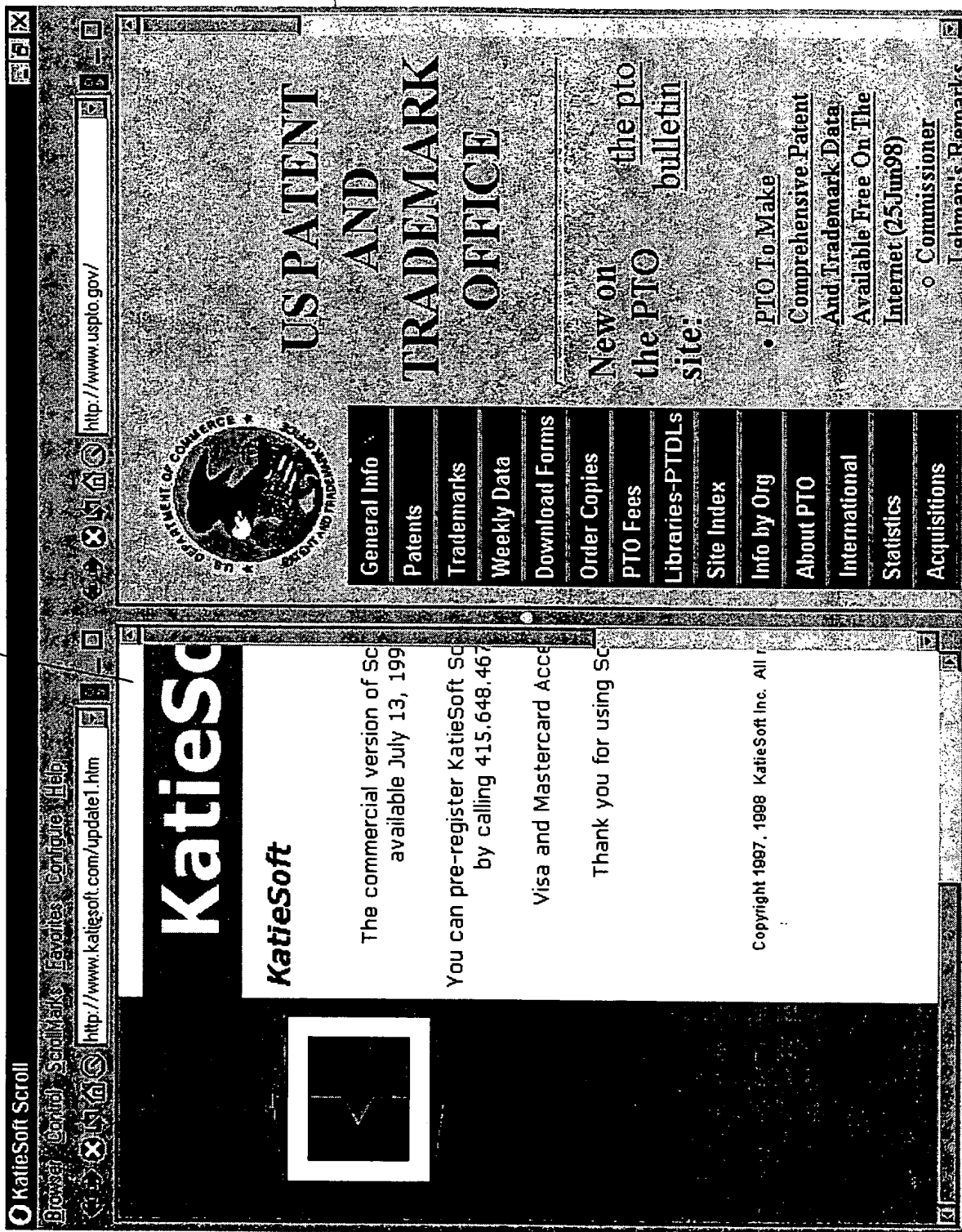


FIG. 6

66220" 8377260

710

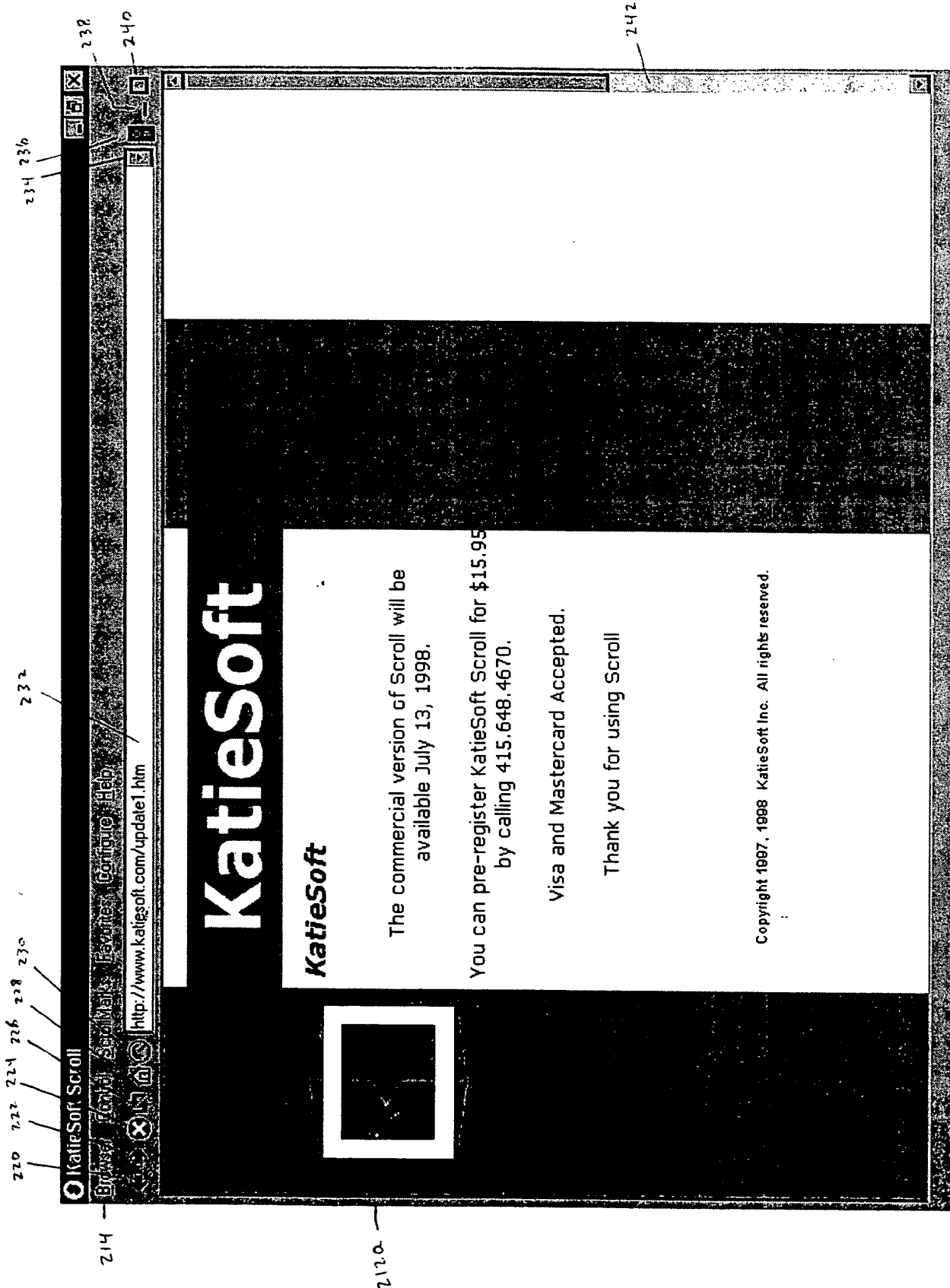


FIG. 7

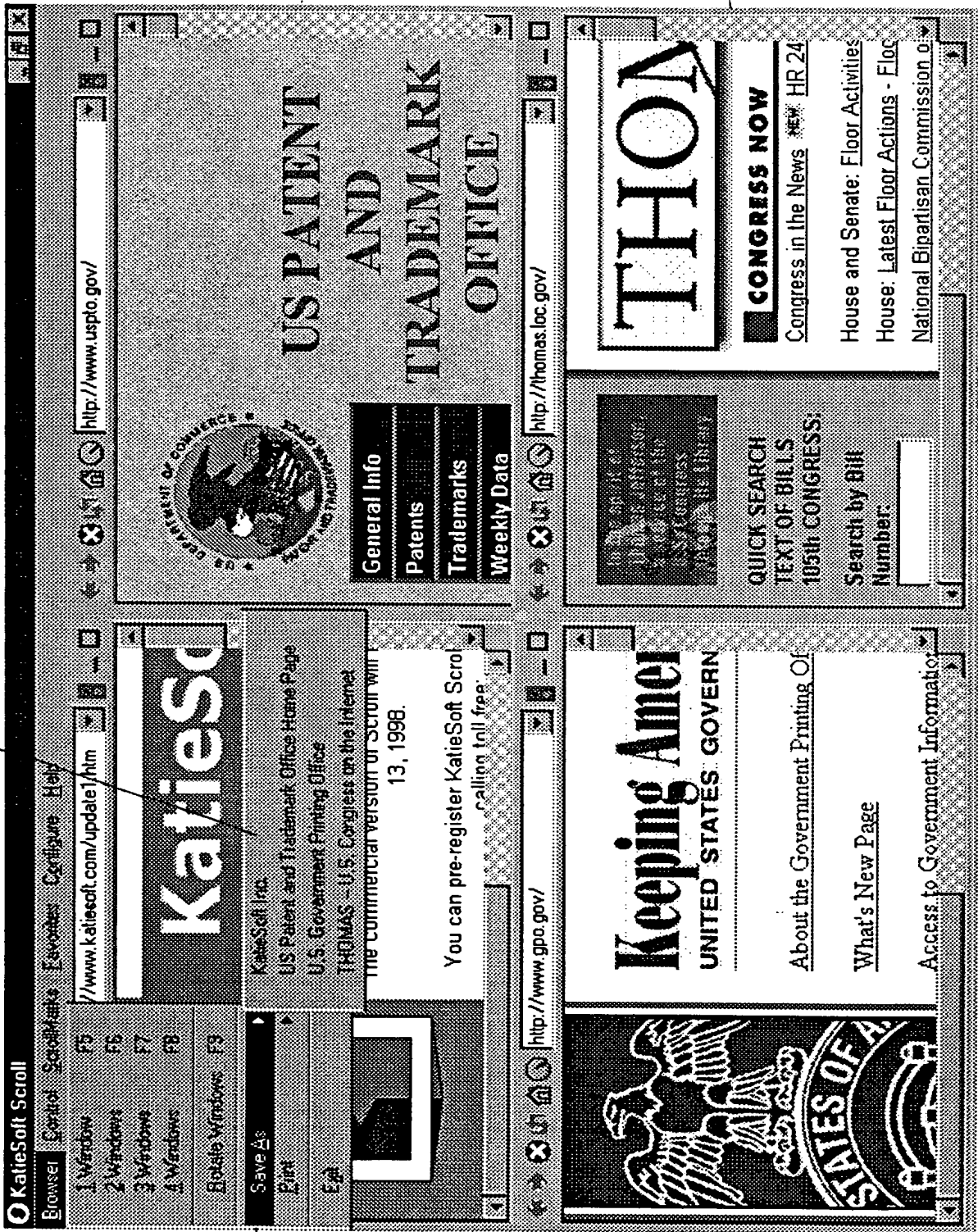
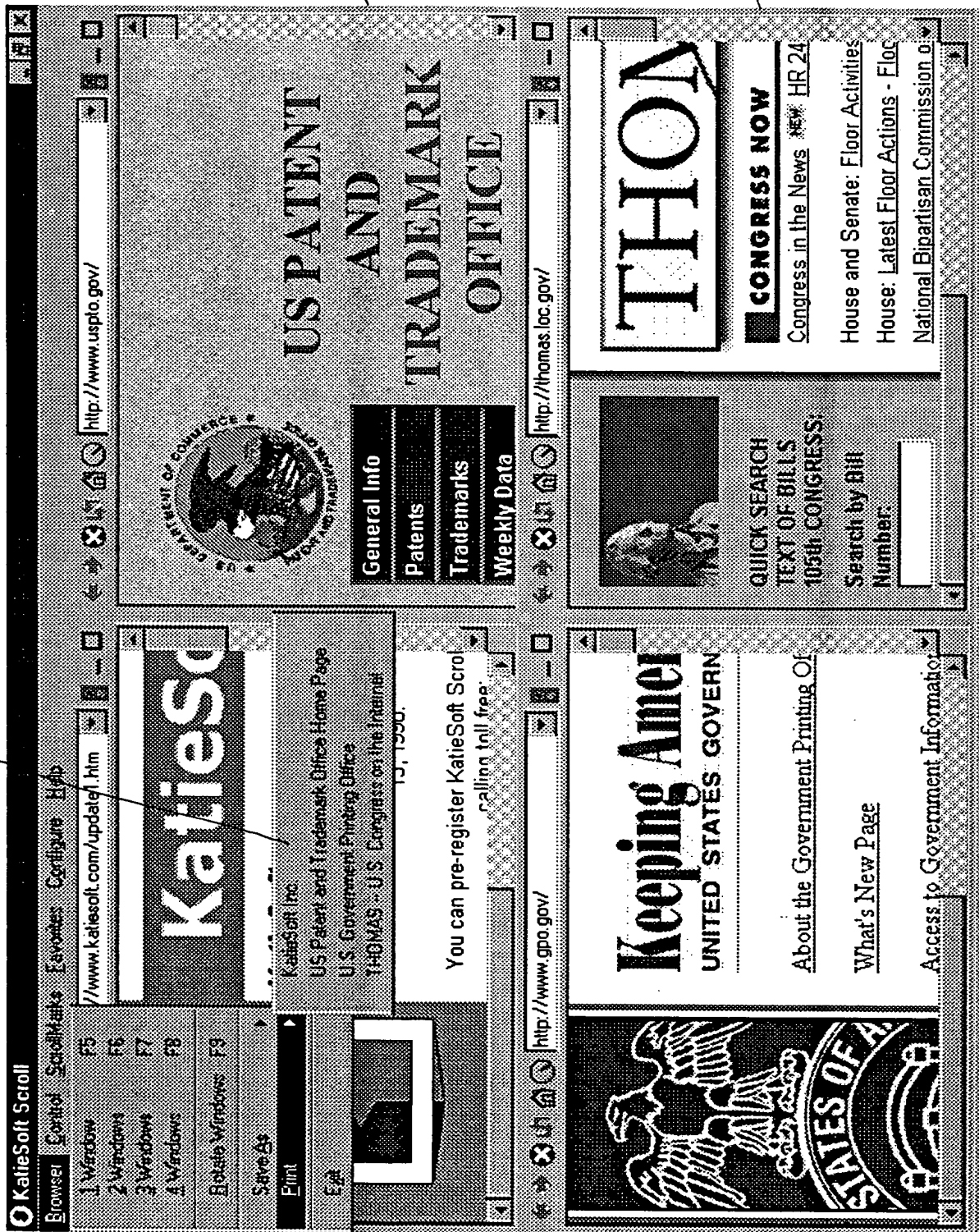


Fig. 8

210

910



424

212 a

212 c

212 b

212 d

FIG. 9



212c-

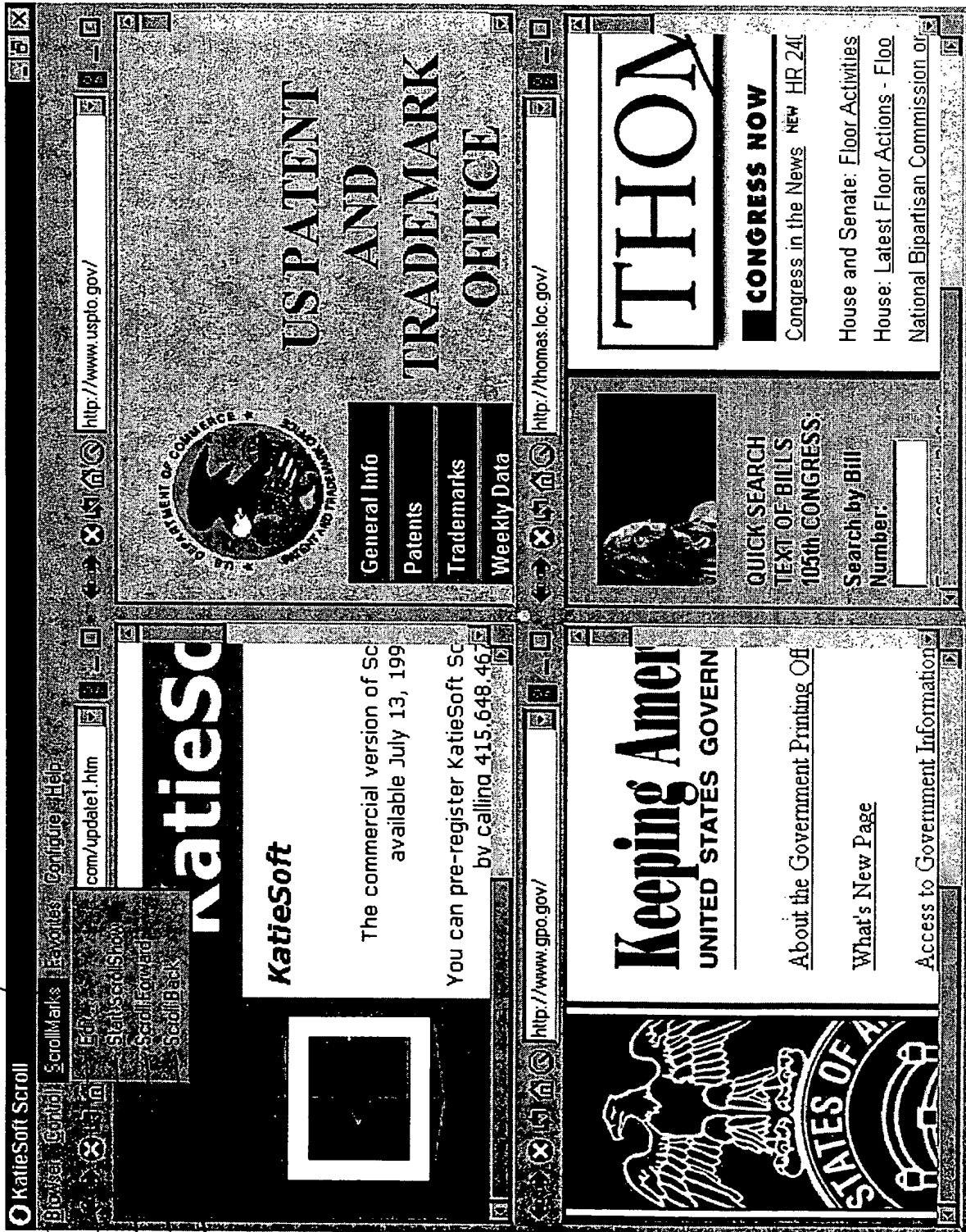


FIG. 11

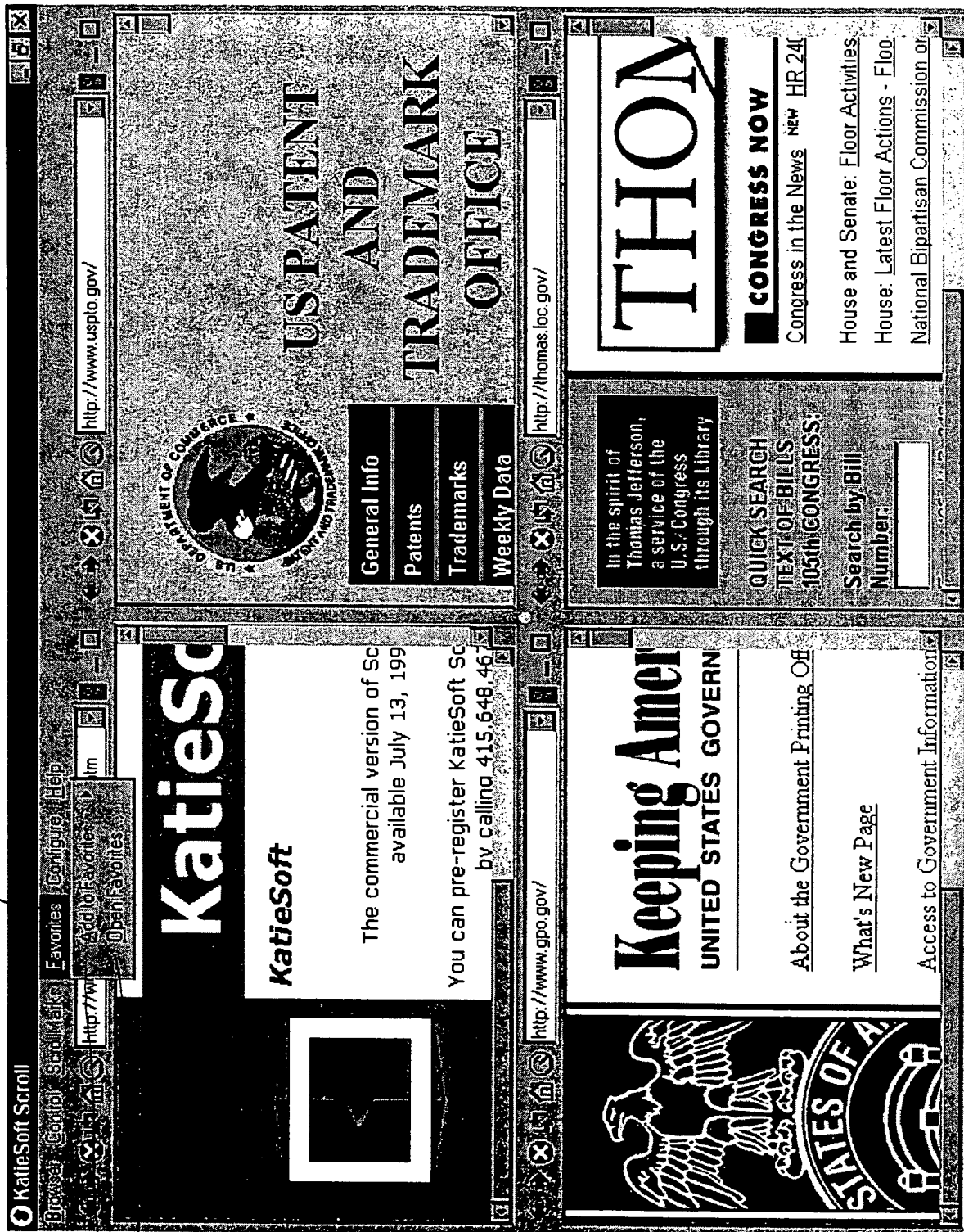
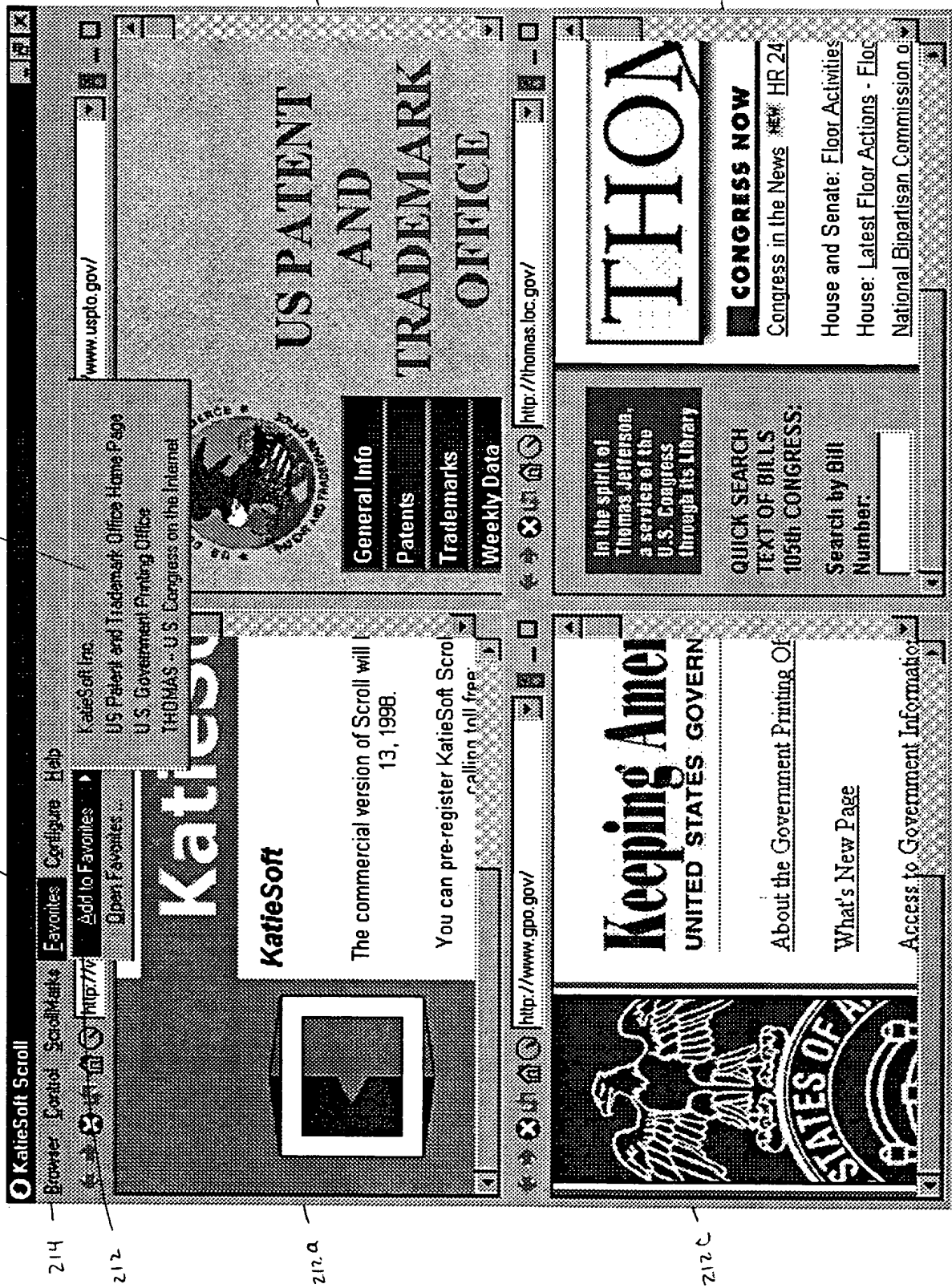


FIG. 12

210

1310

1210



214

1212

212a

212c

FIG. 13

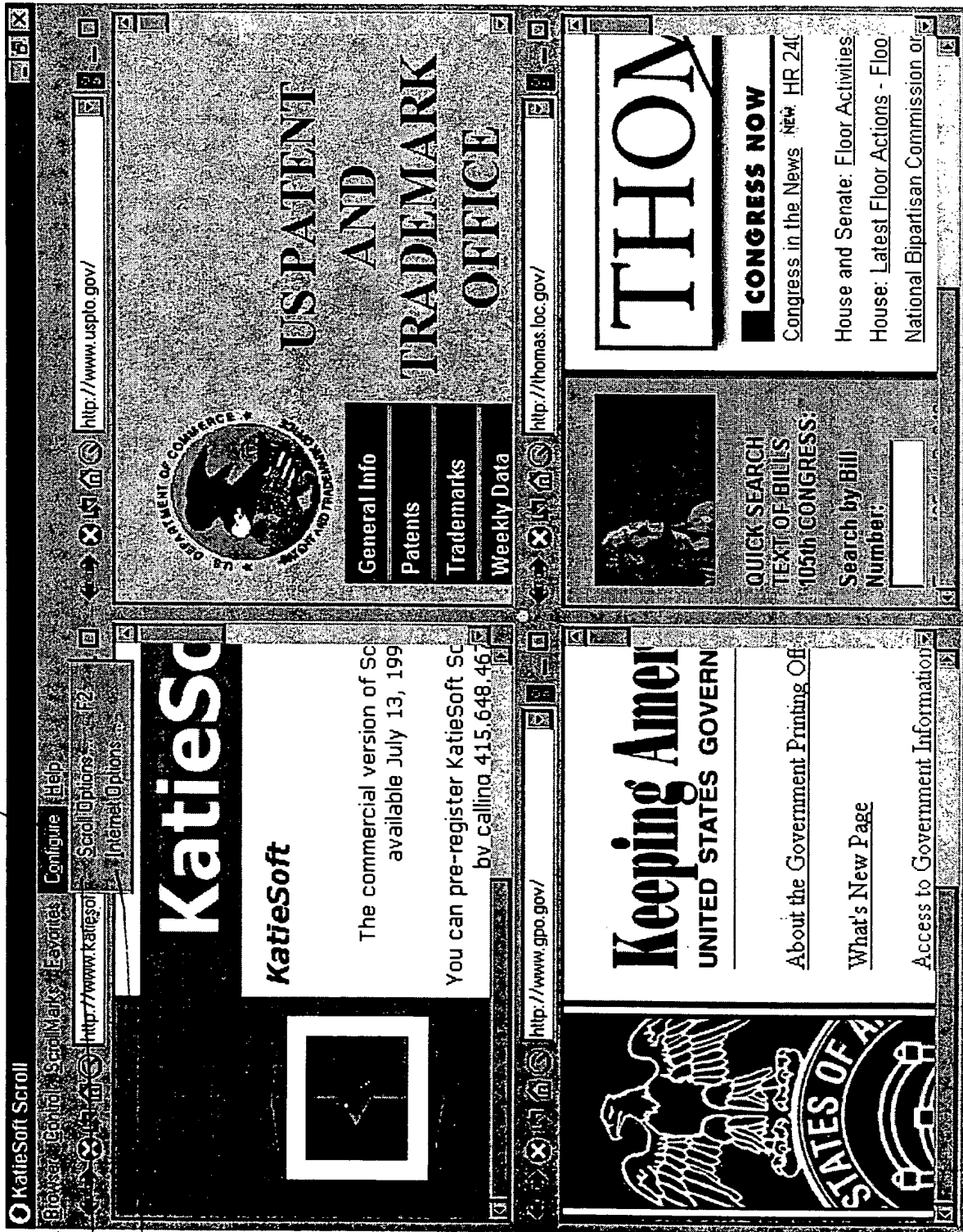


FIG. 14

1510

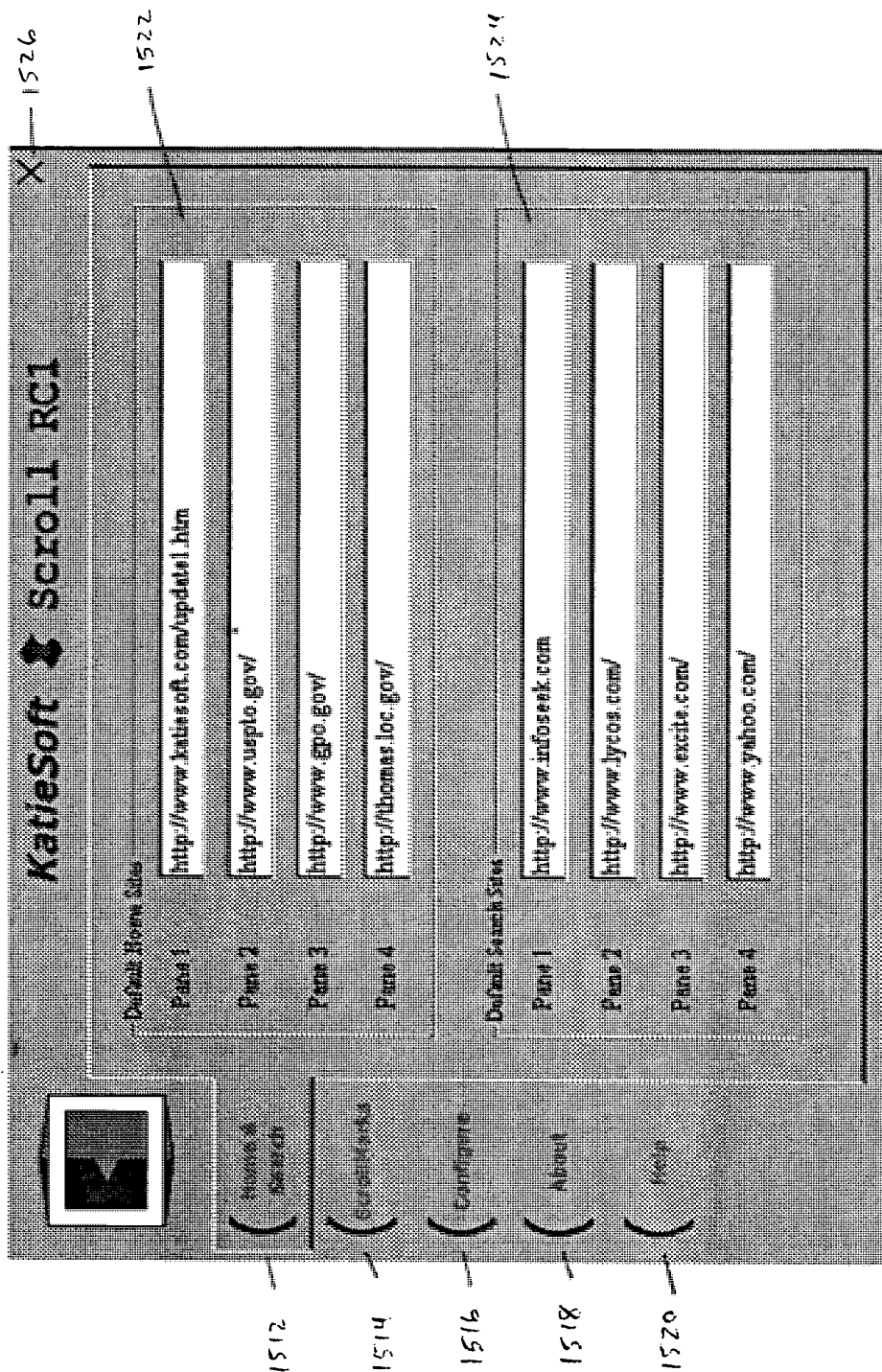


FIG. 15

1510

1	http://www.katesoft.com/update1.htm	11	http://www.comcentral.com/
2	http://www.economist.com/	12	http://www.metaedge.com/
3	http://www.sidewalk.com	13	http://www.cooltool.com/
4	http://www.news.com/	14	http://www.carpoint.com/
5	http://www.abcnews.com/	15	http://www.porsche.com/
6	http://www.pathfinder.com	16	http://www.wired.com/
7	http://www.hotmail.com/	17	http://www.moneyinsider.com/
8	http://www.expedia.com/	18	http://www.computingcentral.com/
9	http://home.microsoft.com/	19	http://www.jfax.com
10	http://www.idsoftware.com/	20	http://www.zdnet.com/

Group Name:

FIG. 16

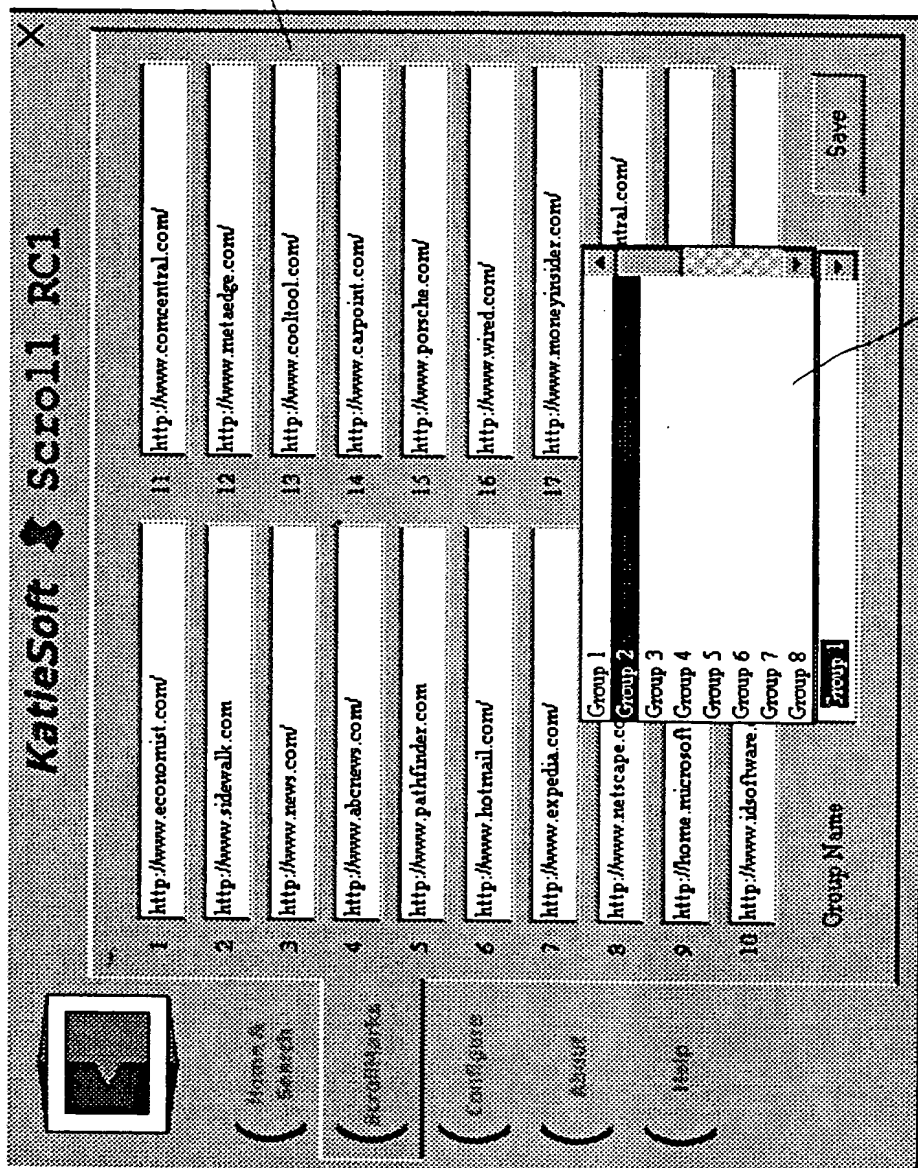
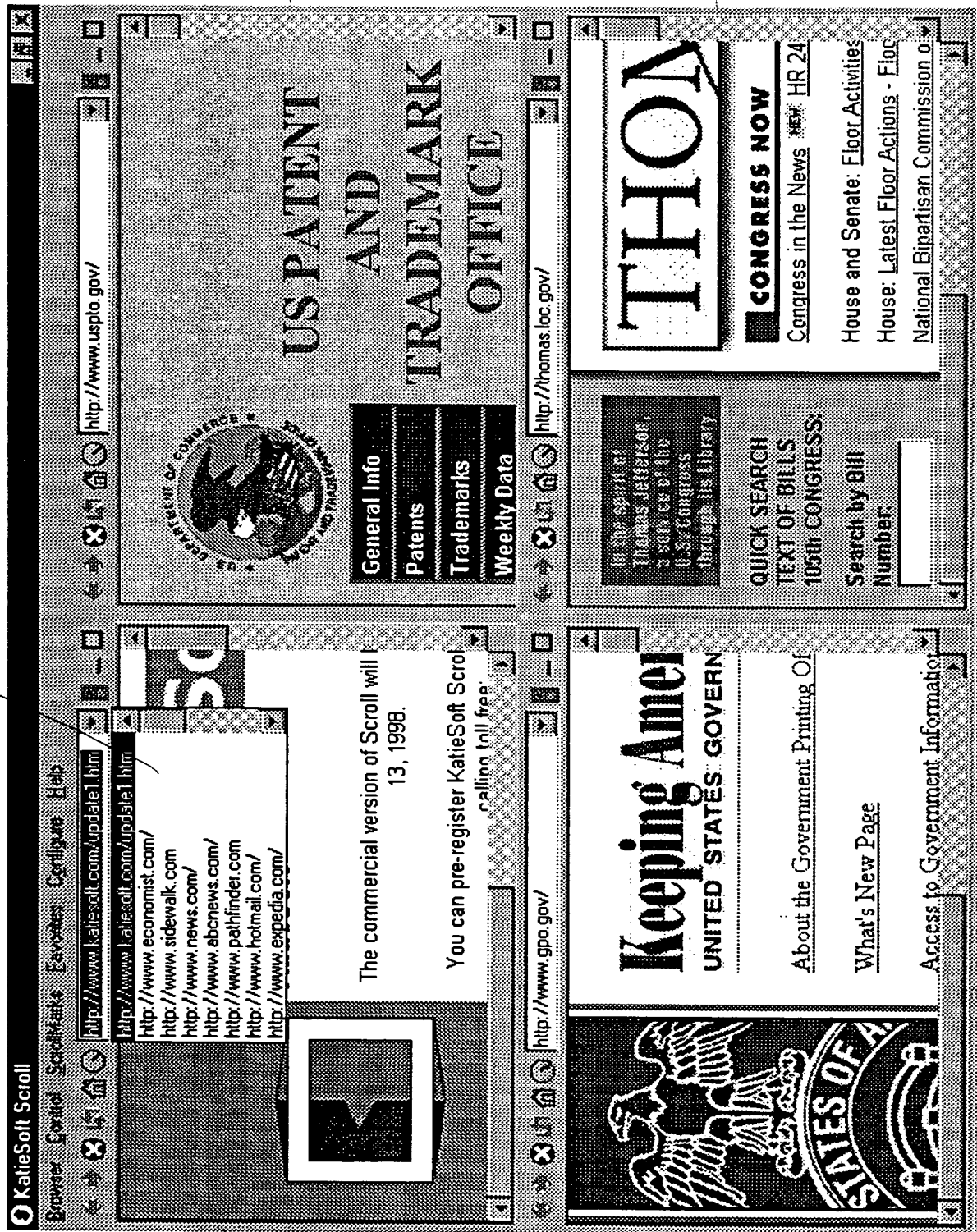


FIG. 17



212a

212c

FIG. 18

1510



KatieSoft Scroll RCI

Start Up

☐ On Startup: Navigate to sites last viewed

☒ In 2 window mode, tile windows vertically

☐ Number of windows at start up:

ScrollShow Options

☐ Number of sites to advance in ScrollShow:

☐ Lock Pane 1 in ScrollShow

Auto Refresh

☐ Auto refresh Pane 1 every minutes

☐ Auto refresh Pane 2 every minutes

☐ Auto refresh Pane 3 every minutes

☐ Auto refresh Pane 4 every minutes

Buttons: Home & Search, ScrollMarks, Configure, About, Help

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1940

1920

1930

1516

FIG. 19

2010

2012 2014 2016

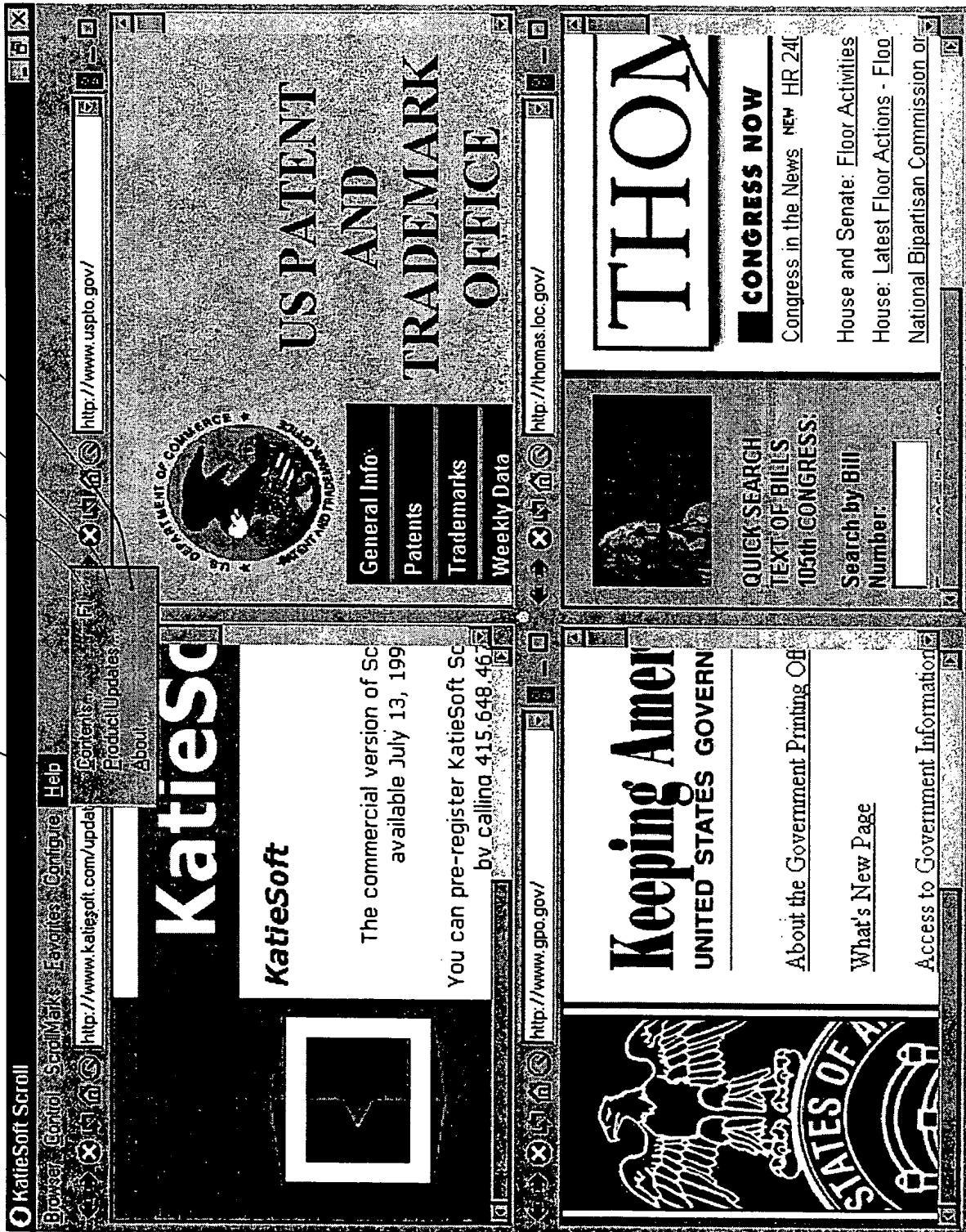


FIG. 20

WEB PAGE DISPLAY SYSTEM

TECHNICAL FIELD

This invention relates to display systems for displaying electronic data, and more particularly to network-based web page display systems.

5 BACKGROUND OF THE INVENTION

Communication technologies continue to provide more capabilities, increase in capacity, and expand throughout the world. An international communication network known as the Internet is increasing in both numbers of users and capacity at nearly an exponential rate. The Internet is accessible by the general public in a large number of places around the world. Users of the Internet have a universe of network-accessible information.

Along with the Internet, there is growth of other private, government, and commercial networks reserved for authorized users. For instance, some commercial networks are reserved for authorized users such as employees, suppliers, or customers of a company. These other networks may share communication links used by the Internet or they may not.

Regardless of whether the network is the Internet or other networks, users are able to obtain network-accessible information by using web page display systems also known as network browsers. These web page display systems download web pages containing desired information from the Internet and various private networks. A web page is displayed through the use of the web page display systems on display screens of user terminals which include terminals, workstation monitors, television sets, and other display devices.

A web page provides many different formats of information including text, graphics, video, sound, and any other format of electronic data. One or more web pages are stored at web sites having web page servers that are connected to the network and allow access to the web pages by users of the particular network. The type of information at each particular web site varies from news, cultural, sports, commerce,

governmental, corporate, investment, and other related topics. The private networks usually are more limited in the type of information provided compared to the Internet.

Each web page also may contain numerous hypertext links which link one web page to many other web pages of related information. As network technology
5 has progressed, everything from web page-based e-mail services, groceries, bookstores, and brokers are competing for the attention of web page users. Web page users have voracious appetites for technology, information, and commerce. Skilled experts have been replaced by skilled masses capable of dealing with more web pages and a vast variety of scenarios and applications. The majority of users remain unable to exploit
10 the opportunities and efficiency of the networks due to the simplicity and limitations of their web page browsers. These web page browsers are interfaces which display the web pages on display screens of the user terminals.

Thus, it can be appreciated that there is a significant need for a system and method that would enhance web browser capability and reduce the amount of time
15 that a web page user requires to manage a web page browser.

SUMMARY OF THE INVENTION

The present invention resides in a display system for displaying web pages accessible on a network. The display system includes a computer system configured to send requests for web pages via the network to web page sites. The
20 computer system also receives web pages via the network from web page sites. The display system further includes a display having display controls and a plurality of non-overlapping display areas having adjustable sizes. The plurality of non-overlapping display areas have a collective size equal to the sum of the non-overlapping display areas. Each non-overlapping display area has independent display area controls and is
25 configured to independently display a web page received by the computer. A sizing control operable by a user is used to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the non-overlapping display areas. In one aspect of the invention, the computer system executes only one

instance of a software program for sending the web page requests and receiving and displaying the requested web pages.

In one embodiment, the display system includes display controls that activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites. Each list of web page sites has a sequential order and has a number of web page sites not dependent on how many display areas are displayed. The computer stores the plurality of lists of web page sites.

In another embodiment, the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device. The display controls include a designator control operable by a user to designate the number of non-overlapping display areas. In a further embodiment, the display controls include a drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area. The second display area is configured to display a web page associated with a uniform reference locator.

Other features and advantages from the invention will become apparent from the following detailed description, taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 illustrates a workstation terminal used to execute and display an embodiment of a web page display system according to the present invention.

Figure 2 is a screen display of the web page display system of Figure 1 used to display four web pages.

Figure 3 is a screen display of the web page display system of Figure 2 showing a result of sizing control.

Figure 4 is a screen display of the web page display system of Figure 2 showing a main Browser menu.

Figure 5 is a screen display of the web page display system of Figure 1 used to display three web pages.

Figure 6 is a screen display of the web page display system of Figure 1 used to display two web pages.

Figure 7 is a screen display of the web page display system of Figure 1 used to display one web page.

5 Figure 8 is a screen display of the web page display system of Figure 2 used to display and select a web page to be saved.

Figure 9 is a screen display of the web page display system of Figure 2 used to display and select a web page to be printed.

10 Figure 10 is a screen display of the web page display system of Figure 2 used to display and select from a main Control menu.

Figure 11 is a screen display of the web page display system of Figure 2 used to display and select from a main ScrollMarks menu.

Figure 12 is a screen display of the web page display system of Figure 2 used to display and select from a main Favorites menu.

15 Figure 13 is a screen display of the web page display system of Figure 2 used to display and select a web page to be added to a Favorites list.

Figure 14 is a screen display of the web page display system of Figure 2 used to display and select from a main Configure menu.

20 Figure 15 is a screen display of the Home and Search default settings screen of the web page display system of Figure 1.

Figure 16 is a screen display of the ScrollMarks settings screen of the web page display system of Figure 1 to select multiple web pages for display as a group.

25 Figure 17 is a screen display of the group menu of the ScrollMarks settings screen used to display and select a group of multiple web pages for display.

Figure 18 is a screen display of the web page display system of Figure 2 used to display and select a web page site for an individual web page pane.

Figure 19 is a screen display of the Configure screen of the web page display system of Figure 1.

Figure 20 is a screen display of the web page display system of Figure 2 used to display and select from a main Help menu.

DETAILED DESCRIPTION OF THE INVENTION

Displaying multiple web pages simultaneously on a display screen facilitates both navigation of web page-based networks and analysis of web page-based information by a web page user. It is helpful to have more than one web page displayed at a time in navigating because web page users can find themselves somewhat lost after following a long chain of hypertext links. For instance, in displaying a series of web-pages which follow a chain of hyper-text links, a user may want to display a particular web page while simultaneously displaying one or more additional web pages from the chain of hyper-text links. The display of the particular web page helps the user keep a general perspective in mind while the user examines more detail in additional one or more displayed web pages.

Multiple web pages displayed concurrently can also help in research involving comparisons such as in shopping at the consumer level. Comparisons made with multiple displayed web pages is also done for instance at the corporate level for acquisition and project management. Displaying multiple web pages simultaneously can also help a user speed up searches. In this case a user views and studies one web page while performing a search through another web page if both are displayed simultaneously.

Web page users typically launch a web page browser, such as Microsoft Internet Explorer, and navigate to the desired web page. Navigational tools, such as a back arrow and a forward arrow, allow the user to move back and forth to previously visited web pages. However, this approach does not permit the user to view multiple web pages simultaneously. One solution to the problem of displaying only one web page at a time is to run multiple copies of web page browsers on the display screens of their user terminals. However, running multiple copies of web page browsers simultaneously can exact costs in both time for the user to configure the display screen and resources required by the user terminal. Much time is spent positioning and

resizing the web pages on the display screens so that each web page can be properly viewed. Also, multiple executed copies require excessive amounts of user terminal resources, such as system memory and communication bandwidth.

The present invention is directed to a system and method for a web page display system. Multiple web pages are displayed simultaneously with a reduction of time and effort required by the user to position, size, and configure the web pages compared to prior art techniques. Also multiple web pages are displayed with less system resources required by the user terminal compared to prior art techniques. These and other advantages will become apparent in the following detailed description. In the following description, numerous specific details are provided, such as specific screen displays, placement and shapes of controls, and ordering of menu selections. One skilled in the relevant art, however, will recognize that the invention can be practiced without one or more of the specific details, or with other symbols, methods, etc. In other instances, well-known structures or operations are not shown or described in detail to avoid obscuring the description of the embodiments.

A computer workstation user terminal 110 using an embodiment of the web page display system of the present invention is illustrated in Figure 1. The computer workstation user terminal 110 includes a computer 112, a monitor 114 including a display screen 116, a keyboard 118, and a mouse input device 120 with a mouse button 120a. The computer workstation user terminal 110 accesses a network 130 using conventional networking technology in order to download web pages for display. For example, the computer 112 can include a communication controller 125 for accessing the network 130. The communication controller 125 may be a conventional modem using standard analog telephone lines, ISDN, T1, or other such communication links. The computer 112 can also access the network via a network controller if the communication controller 125 is a network interface. Other conventional communication controllers may also be readily used to implement the present invention. The operation of these various devices to access the network 130 is well known in the art so it does not need to be explained in detail. The network 130 can be any network that allows access to web page sites 132. The network 130 could be, for

example, the Internet, a corporate network, a government network, a private network, a commercial network, or other such network.

Once the computer workstation user terminal 110 downloads a web page from a web page site 132, the web page is displayed on display 116. The embodiment of the present invention allows multiple web pages to be simultaneously displayed such that the display screen 116 of the computer workstation user terminal 110 displays multiple web pages that have been downloaded from multiple web page sites 132 off of the network 130. The web page sites 132 can be interrelated or completely independent. The multiple web pages are displayed and communication support is provided for communicating between the web page sites 132 and the computer workstation user terminal 110 by executing only one instance of browser software on the computer workstation terminal 110.

Figure 2 illustrates a screen display 210 of the web page display system embodiment wherein four non-overlapping web pages are simultaneously displayed. The particular four web pages displayed in Figure 2 and the other particular web pages displayed in the other figures are for illustration purposes. The embodiment of the present invention is not limited to displaying only these particular web pages shown in the figures. Instead, the embodiment of the present invention displays any web page accessible through a network.

The four web page display 210 includes four display panes 212a, 212b, 212c, and 212d. Each display pane 212 is a display area that frames and provides controls for a particular web page being displayed within the display pane 212. The descriptions of the individual controls for the display pane 212a are also applicable for the individual controls for the other display panes 212b, 212c, and 212d.

Multiple display panes 212a-d are implemented with only one instance of most executable portions of the associated browser software being executed by associating an individual copy of a web browser control file with each active display pane 212. In the case of Microsoft Internet Explorer 4.0, the depicted embodiment uses the Microsoft Internet Explorer web browser engine to display each web page in each display pane 212. An individual copy of a web browser control computer file labeled

“shdocvw.dll” is associated with each display pane 212 by parenting, as known in the art, each individual web browser control into an individual picture box associated with each display pane 212. When a particular display pane 212 is revised, its associated picture box is revised which then through the associated parenting causes the web browser to be appropriately revised. For the case of the four web page display 210, four “shdocvw.dll” files are thus used in the control of the four display panes 212. However, only one copy of other computer files associated with execution are used which greatly reduces required computer memory to implement multiple display panes 212.

In an alternative embodiment, a Netscape Navigator web browser engine is used instead of the Microsoft Internet Explorer web browser engine. When the Netscape Navigator web browser engine is used, an entire copy of the web browser engine must be executed for each display pane 212 being displayed. This is because currently the Netscape Navigator web browser engine does not provide a web browser control file similar to that found in the Microsoft Internet Explorer web browser engine. As other web browser engines provide similar web browser control files, the depicted embodiment will utilize them for similar reductions in memory requirements. The use of web browser engines by the depicted embodiment was described in particular with reference to web browser engines that operate under particular computer operating systems. However, the present invention is not limited to particular web browser engines or particular computer operating systems but is intended to be used with all web browser engines and computer operating systems.

A back arrow control 220 and a forward arrow control 222 of the display pane 212a are both related to a sequence in which a series of web pages have been initially displayed on display pane 212a. The related sequence typically ends with a web page that has been most recently downloaded from the network 130 (see Figure 1) and begins with a web page least recently downloaded from the network. Each time the back arrow control 220 is selected, the displayed pane 212a will display the next web page that is closer to the beginning of the related sequence than the web page displayed at the time of activation. Each time the forward arrow control 222 is selected, the

display pane 212a will display the next web page that is closer to the end of the related sequence than the web page displayed at the time of activation.

A stop control 224 of the display pane 212a is used to terminate any communication currently in progress with a web site from which the computer workstation user terminal 110 (see Figure 1) is downloading a web page. A refresh control 226 of the display pane 212a repeats a download of the web page currently displayed on the display pane 212a. A home control 228 of the display page 212a is used to access a default web page that has been designated as a home web page. Home web pages will be discussed further below.

A search control 230 of the display page 212a accesses a web page that has been designated as a search web page. Generally, search web pages contain further controls related to searching for specific web pages containing desired information. Designation of search web pages are discussed further below. A uniform resource locator (URL) 232 of the display pane 212a displays a URL of a current web page being displayed. The URL may be thought of as the "address" of the web site. Although the illustrated embodiment uses URLs, the present invention is not limited to URLs. Any string expression that can represent a web page resource on a network may be satisfactorily used by the present invention. An access control 234 of the display pane 212a, when selected, causes a pop-down list of URLs to be shown on the display 116. The user can select the URL of a desired web page in a conventional fashion. As an option, this list may be predefined as a designated group of URLs as discussed further below.

A status indicator 236 of the display page 212a indicates whether the web page display system is currently in the process of downloading a web page. Downloading is indicated by a red dot being illuminated, whereas a green dot being illuminated indicates no communication is currently in progress.

A minimize control 238 of the display pane 212a is integrated with an operating system of the computer 112 hosting the web page display system in the present embodiment of the invention. The minimize control 238 is used when a user desires the display 116 to display something other than the web page display system of

the present embodiment of the invention. A maximize control 240 of the display pane 212a is similar to the minimize control 238 except the maximize control is used when a user desires the entire display 116 to display the web page corresponding to the display pane 212 whose maximize control is activated. A scroll control 242 of the display pane 212a controls the position of the web page being displayed in the display pane 212a. When web pages are larger than the display pane 212a, the scroll control 242 operates in a known manner to permit the user to scroll through an entire web page.

The four web page display 210 also includes pop-down menu controls 214 and a sizing control 216. While the controls for each display pane 212 affect only that display pane, the pop-down menu controls 214 are operable to control all four display panes 212a, 212b, 212c, and 212d simultaneously. Certain aspects of the pop-down menu controls 214 can be inactivated in a locked mode so that one or more of display panes 212 are not affected by certain controls of the pop-down menu controls 214. This will be described in further detail below. The present embodiment of the invention is described in terms of a maximum of four display panes 212 displaying a maximum of four web pages. However, the present invention is not limited to displaying four web pages on four display panes, but can conveniently display any number of web pages on any number of display panes.

The sizing control 216 is operable to control the sizing of all four display panes 212 simultaneously. The sizing control 216 includes a graphical object displayed on the display screen 116 illustrated in Figure 2 as a dot. The sizing control 216 is positioned by a user typically using the mouse input device 120. However, other computer control devices, such as a trackball, joystick, and the like, may also be used. The sizing control 216 is positioned within the area of the four web page display 210. The web page display system of the four web page display 210 maintains the four display panes 212 so that the intersection of their common corners is always at the position of the sizing control 216. The four display panes 212 may be resized when the sizing control 216 is repositioned using, by way of example, "drag and drop" control. In this embodiment, the user manipulates the mouse input device 120 to position a cursor (not shown) on the sizing control, activates a mouse button 120a and keeps the

mouse button activated while moving the cursor to a desired new location. Once the cursor is at the desired location, the user releases the mouse button to automatically activate the resizing process. Thus, if the sizing control 216 is moved to a different position, the size of the display panes 212 will be automatically adjusted accordingly so that the intersection of the common corners of the display panes 212 will continue to be in the position of the sizing control 216. This can be seen in Figure 3 wherein the sizing control 216 has been moved downward and to the left portion of the four web page display 210, as compared to the position of the sizing control 216 in Figure 2. As sizing occurs the total combined display area of the display panes 212 remains generally constant.

For the process of resizing, each active display pane 212 must be subject to a standard "move" command from a windows operating system environment such as Windows 95, 98, NT, or other windows environments. Since, typically, windows operating system environments cannot process four move commands simultaneously, one of the active display panes 212 is first subject to the "move" command. In the depicted embodiment, display pane 212a is first subject to the "move" command. When the sizing control 216 is repositioned by a user using the mouse input device 120, the display pane 212a is subject to the windows environment "move" command, which results in display pane 212a being revised. In the depicted embodiment, if the sizing control 216 is moved, for example, to a coordinate position of 150 pixels from the inside edge of the left border and 600 pixels from the inside edge of the top border of the four web page display 210, as shown in Figure 3, the width and height of display pane 212a will be 150 and 600, respectively.

The remaining display panes 212b - 212d are automatically resized using additional "move" commands. For example, the display pane 212b will be automatically resized using the windows environment "move" command with the width of display pane 212b being the distance from left border inside edge to right border inside edge of the four web page display 210 less the width of display pane 212a and less the width of an interior vertical border dividing display panes 212a and 212b. The height of display pane 212b will be equal to the height of display pane 212a as shown in

Figure 3. Once both the widths and heights of display panes 212a and 212b are determined, the width and height of display pane 212c is determined and display pane 212c is subjected to the windows environment "move" command in a similar manner as described for display pane 212b except a distance from top border inside edge to bottom
 5 border inside edge of the four web page display 210 and height of an interior horizontal border 220 between display panes 212a and 212c are used in calculations. Finally, once the widths and heights are determined for display panes 212a-c, the width and height for display pane 212d is determined and display pane 212d is subjected to the windows environment "move" command in a similar manner as described for display panes 212b
 10 and 212c. An order of calculations and "move" commands similar to that described for the four web page display 210 are performed for resizing of web page displays have greater or fewer number of display panes 212 as the four web page display only tailored to the number of display panes 212 of the web page display involved. Also, if the display panes 212 are positioned in the web page display in a different arrangement than
 15 described for Figure 3, the calculations would be adjusted accordingly as would be understood by one of ordinary skill in the art.

Another consideration taken into account is the situation in which a user moves the sizing control 216 near or off the edge of the display 116. For this case differences are determined in the size calculations in conjunction with use of an
 20 absolute value function to avoid error conditions in executing computer code as is typically used in the art. Resizing display panes 212a and 212b of the two web page display 610 of Figure 6 is dependent upon the configuration settings 1910 shown in Figure 19 which dictate the orientation of the two display panes 212a and 212b. If the two page web display 610 is configured to display display panes 212a and 212b
 25 vertically or horizontally, the width or height respectively of the display panes 212a and 212b will be affected.

A screen display of the menu selections of the Browser menu 214 of the four web page display 210 is shown in Figure 4. The menu selections of the Browser menu 214 include One Window 412, Two Windows 414, Three Windows 416, and
 30 Four Windows 418. These Browser menu 214 selections 412-418 and the keyboard

function keys F5 through F8 act as a designator control whereby selection results in one to four display panes 212 being displayed. The display pane 212a has the highest priority and will always be displayed. The display pane 212d has the lowest priority and will only be displayed if the Four Windows menu selection 418 or the F8 key is selected. Display pane 212b will be selected if one of the Two Windows 414, Three Windows 416, or Four Windows 418 of the Browser menu 214 selections is selected or one of the F6 through F8 keys is selected. Display pane 212c will be displayed if one of the Three Windows 416 or Four Windows 418 of the Browser menu 214ⁱ selections is selected or one of the F7 or F8 keys.

The selection of a Rotate Windows menu selection 420 results in the display panes 212 being rotated in position relative to one another. The display panes 212, however, stay in their non-overlapping position within the four page display 210 as can be seen by comparing Figures 4 and 2. Figure 4 is the result of one execution of the Rotate Windows selection 420. As can be seen by comparing Figures 2 and 4, after the rotation was completed, all the display panes 212 rotated one display pane in the clockwise direction. A Save As selection 422 and a Print selection 424 will be further discussed below. An Exit selection 426 when selected deactivates the web page display system from its current execution on the computer workstation user terminal 110. In one embodiment, display panes 212 are also automatically resized to a default size when the Rotate Windows menu selection 420 is selected or when one of the number of Windows menu selections 412-418 or one of keys F5 through F8 is selected.

When the Three Windows 416 selection of Browser menu 214 is selected, a three web page display 510 is displayed as shown in Figure 5. The difference between the four web page display 210 and the three web page display 510 is that the fourth display pane 212d is no longer displayed. The pop-down menu controls 214 and the sizing control 216 remains in the three web page display 510. The sizing control 216 for the three web page display 510 is always positioned at the intersection of the common corners of the two display panes 212b and 212c and the common edge of the display pane 212a as illustrated in Figure 5. The sizing control 216 operates in the manner described above to automatically resize the display panes 212.

A two web page display 610 has only two display panes 212a and 212b as shown in Figure 6. Again, the pop-down menu controls 214 and the sizing control 216 remain in the two web page display 610 and operate in the manner described above. The sizing control 216 for the two web page display 610 is always positioned in the middle of the common edge of display panes 212a and 212b, shown in Figure 6.

A one web page display 220 has only the display pane 212a displayed as shown in Figure 7. As with the other web page displays, the pop-down menu control 214 remains. However, the sizing control 216 is no longer needed and is therefore not available.

Activation of the Save As menu selection 422 of the Browser menu control 214 allows the user to save any web page currently being displayed in one of the active display panes 212, as illustrated by a screen display of Figure 8. The current web page is saved in Hypertext Markup Language (HTML) format on to the computer workstation user terminal 110. In the case illustrated by Figure 8, four display panes are selected in the four web page display 210. Therefore, the Save As menu selection 422 allows selection of any one or more of the four web pages currently being displayed. The web page being displayed in display pane 212a can be saved by selecting the topmost menu selection of the Save As menu selection 422. The web page being displayed in display pane 212b can be saved by selecting the second topmost menu selection of the Save As menu selection 422. The web page being displayed in display pane 212c can be saved by selecting the third topmost Save As menu selection 422. The web page being displayed in display pane 212d can be saved by selecting the bottommost Save As menu selection 422.

The Save As menu selection 422 has been described specifically related to the four web page display 210. However, if fewer panes have been selected, such as in the three web page display 510, the two web page display 610, or the one web page display 220, the procedure to save a web page currently being displayed in one of the display panes is the same except that the Save As menu selection 422 would have fewer menu selections according to the number of display panes selected. The operation of a Print menu selection 422 of the Browser menu control 214, shown in Figure 9, is

similar to the operation of the Save As menu selection 422 except that in this case the selected web page is printed instead of being saved in HTML format.

The Control menu 1010 of the pop-down menu controls 214 includes controls for all selected display panes 212. For the case of the four web page display 210 illustrated in Figure 10, the Control Menu 1010 includes controls for display panes 212a, 212b, 212c, and 212d. The Control menu 1010 includes a Stop All selection 1012. The Stop All selection 1012 has the same effect when selected as the stop control 224 of the display pane 212a of Figure 2 except that the stop control 224 is for an individual display pane, whereas the Stop All selection 1012 affects all display panes 212 currently selected. In the case of Figure 10, where the four web page display 210 is shown, the Stop All selection 1012 would terminate any communication currently occurring with any of the web sites shown in the four display panes 212. For the case of the three web page display 510, two web page display 610, and the one web page display 220, the Control Menu 1010 also includes a Stop All selection 1012 that operates in the same manner except that the number of web pages affected is fewer according to the number of display panes 212 being selected.

The Control menu 1010 of the pop-down menu controls 214 also has a Refresh All selection 1014. The Refresh All selection 1014 is the same as the refresh control 226 of display pane 212a shown in Figure 2 except that the refresh control 226 controls refresh of only the display pane 212a, whereas the Refresh All selection 1014 activates refresh of all the active display panes. For the case of the four web page display 210 of Figure 10, activation of the Refresh All selection 214 repeats the download of each of the web pages currently being displayed in the four display panes 212. For the case of the three web page display 510, two web page display 610, and the one web page display 220, the Refresh All selection 1014 operates the same except the number of web pages being refreshed is fewer according to the number of selected display panes.

The Control menu 1010 also has a Home All selection 1016 and a Search All selection 1018. When a user selects either the Home All selection 1016 or the Search All selection 1018, all currently selected display panes 212 download

predetermined web pages. For the case illustrated by Figure 10 showing the four web page display 210, four display panes 212 download four predetermined web pages. For the case of the three web page display 510, the two web page display 610, and the one web page 220, three, two, and one predetermined web pages, respectively, are downloaded. Each display pane 212 has a specific web page designated as a home web page and a specific web page designated as a search web page. The home web page and the search web page for a particular display pane can be different from one another, and can be different from other home and search web pages for other display panes. Designation of the home and search web pages are further discussed below.

A ScrollMarks menu 1110 of the pop-down menu controls 214 as part of the four web page display 210 is illustrated in Figure 11. The ScrollMarks menu 1110 includes an Edit selection 1112. The Edit selection 1112 allows a user to edit a list of web page URLs that serve as addresses for particular web pages. Upon selection of a StartScrollShow selection 1114 of the ScrollMarks menu 1110, the four web page display 210 displays the first four web pages on the list of web page URLs. Selection of a Scroll Forward selection 1116 and a Scroll Back selection 1118 of the ScrollMarks menu 1110 allows a user to scroll forward and backward, respectively, through the list of web page URLs to display other web pages that are on the list. In the present embodiment of the invention, scrolling is done by one, two, three, or four web pages at a time. For example, if scrolling is done by two web pages at a time for the four web page display 210, two previously displayed web pages are no longer displayed and two new web pages are shifted to the display panes 212 which had been displaying the web pages no longer displayed, and subsequent two or previous two web pages on the list are displayed in the remaining display panes 212. Thus, the web pages of display panes 212a and 212b are no longer displayed and the web pages of display panes 212c and 212d are shifted into display panes 212a and 212b, respectively. The next two new web pages from the list of web page URLs are shifted into the display panes 212c and 212d, respectively. A similar shifting process occurs when scrolling is done by one, three or four web pages at a time.

A Favorites menu 1210 of the pop-down menu controls 214 having Add to Favorites selection 1212 and Open Favorites selection 1214 is shown in Figure 12. The Add to Favorites selection 1212 as shown in Figure 13 when selected displays an Add to Favorites list 1310. The Add to Favorites list 1310 allows a user to select by
5 description or title, any of the web pages currently being displayed. Selection of any of the web pages causes the URL of the selected web page to be added to a Favorites list. The Favorites list is permanently stored in computer 112 on a disk drive (not shown).

Any web page in the Favorites list can be accessed by using the Open Favorites selection 1214, as shown in Figure 12. Selection of the Open Favorites
10 selection 1214 opens the Favorites list which has brief descriptions or titles of stored URLs. A user opens a desired web page by selecting a web page title or description using the drag-and-drop feature of the mouse input device 120. The user drags the web page description or title into one of the display panes 212 and the mouse button 120a. Once a user releases a desired web page description or title into a display pane 212, the
15 web page display system then automatically downloads the desired web page using the stored URL of the desired web page. The desired web page is downloaded into the web page display system and is displayed on a display pane 212 in which the title or description of the desired web page was dropped by the user.

The ability to drag and drop URLs from the Favorites list into any
20 display pane 212 provides the user with powerful navigation tools. Similarly, the user can also drag and drop any URL that is displayed in one display pane 212 into another display pane 212 to automatically select downloading of a web page that has the particular URL. For instance, in one case display pane 212a displays a list of URLs from a search performed by a user. The user then drags and drops one of the URLs
25 displayed in display pane 212a into display pane 212b. The web page display system of the present embodiment then downloads the web page corresponding to the URL dropped into the display pane 212b. Subsequently, the display pane 212b displays the downloaded web page.

In an alternative embodiment, the web page display is executed in a
30 windows environment such as Microsoft Active Desktop in conjunction with the

Internet Explorer engine which allows the Favorites menu 1210 of the pop-down menu controls 214 to directly display titles and descriptions associated with URLs that are also stored in the Favorites list. A user then has an option of selecting a URL directly from the Favorites menu 1210 or the Favorites list. As part of this alternative embodiment, a user selects a URL directly from the Favorites menu 1210 by positioning a display cursor over a desired URL title or description on the Favorites menu 1210 and then a first single click of the mouse button 120a of the mouse input device 120 is performed. After the first single click of the mouse button 120a, the display cursor is displayed as a graphical object different than displayed before performance of the first single click. For example, the display cursor may change from an arrow to an cross-hairs after the first click of the mouse button 120a. With the mouse input device 120, the user then moves the display cursor (eg. the cross-hairs) into an area of a desired one of the currently active display panes 212 and then performs a second single click of the mouse button 120a. This initiates download of a desired web page associated with the desired URL and subsequent display of the desired web page in the desired display pane 212. The display cursor is then displayed as it was displayed before the first single click of the mouse button 120a was performed.

A Configure menu 1410 of the pop-down menu controls 214 has a Scroll Options selection 1412 and an Internet Options selection 1414, as shown in Figure 14. When the Internet Options selection 1414 of the Configure menu 1410 is selected, various Internet configuration options well known in the art are accessed. By selecting the Scroll Options selection 1412 of the Configure menu 1410, a user can access various menus for configuration illustrated in Figures 15-17.

A configuration menu system 1510, shown in Figure 15, is accessed by activating the Scroll Options selection 1412 (see Figure 14) of the Configure menu 1410 of the pop-down menu controls 214. The configuration menu system 1510 has a Home and Search selection 1512, a Scroll Marks selection 1514, a Configure selection 1516, an About selection 1518, and a Help selection 1520. Activation of the About selection 1518 and the Help selection 1520 provides information about the particular release number of the current menu display system and help information about

particular functions and features of the web page display system. These functions are well known and need not be described herein. As shown on Figure 15, two lists of URLs are displayed when the Home and Search selection 1512 is selected. A Default Home Sites list 1522 of the Home and Search Selection 1512 contains URLs for the predetermined web page sites for display panes 212a-d. Panes 1-4 on the Default Home Sites list 1522 correspond to display panes 212a-d, respectively.

For example, Pane 1 shown in Figure 2 has a URL of "http://www.katiesoft.com/update1.htm." Given this designation for the default home site of display pane 212a, when a user selects the home control 228 of the individual display pane 212a shown in Figure 2, a web page having an address with the URL of "http://www.katiesoft.com/update1.htm" is downloaded into the web page display system and displayed in display pane 212a. If the two web page display 610 is currently being displayed, then Pane 2 would also be used for display pane 212b. If the three web page display 510 is being used, then Panes 1-3 would be used. Finally, if the four web page display 210 is being used, then Panes 1-4 would be used. The Default Search Sites list 1524 is used in a manner similar to the way in which the Default Home Sites list 1522 is used. For the case of the Default Search Sites list 1524, the search controls 230 of the individual display panes 212 are used to activate the corresponding Default Search Sites list 1524. It should be noted that the user can independently specify a default home web site and a default search web site for each display pane. Although illustrated with four display panes 212a-212d, the present invention is not limited by the number of display panes.

When the ScrollMarks selection 1514 of the configuration menu system 1510 has been selected, a group of URLs 1610 is displayed, as illustrated in Figure 16. A list of URLs 1610 is shown for a group having a group name 1612 of "Group 1." However, the user may select any convenient group name. Selection tab 1614 allows a user to select other groups from a pop-down list of groups 1710, as shown in Figure 17. Other groups may be readily selected by the user with conventional "point and click" techniques using the mouse input device 120 (see Figure 1). When another group is selected, the list of URLs 1610 changes to the list of URLs of the currently selected

group. The user can edit the currently selected list using conventional editing techniques. A Save button 1616 of the Scroll Marks selection 1514 is selected by a user to save any changes made to the currently displayed URL list 1610. The currently displayed URL list 1610 of the configuration menu system 1510 is also shown by the
5 URL indicators 232 when the access control 234 is selected, as shown in Figure 2. Since each display pane 212 has a URL indicator 232, each display pane 212 displays the current URL list 1610 when the access control 234 of any one of the display panes 212 is selected.

For example, a user can create groups of URL list containing up to
10 twenty web pages on the subjects of fishing, baseball, investments, education, or the arts. To access web pages on a particular subject, the user first selects the group corresponding to the particular subject of interest and then manually selects a web page from the selected URL list 1610 through the use of the URL indicator 232 and the access control 234 of one or more display panes 212. Figure 18 illustrates a pop-down
15 list of URLs 1810 displayed in the URL indicator 232 of the display pane 212a. The user can go directly to one of these listed URLs by using point and click features of the mouse input device 120. Alternatively, the user can scroll through the web pages of the selected URL list 1610 by using the Scroll Forward selection 1116 or the Scroll Back selection 1118 of the ScrollMarks menu 1110 shown in Figure 11.

Figure 19 illustrates the Configure selection 1516 (see Figure 15) of the
20 configuration menu system 1510, including Start Up options 1910, ScrollShow options 1920, and Auto Refresh options 1930. The Start Up options 1910 include a checkbox for navigating to sites last viewed on startup, a checkbox for tiling the display panes 212 vertically in the two web page display 610 (see Figure 6), and a user-selectable
25 option for a designated number of display panes 212 displayed on startup of the web page display system.

The ScrollShow options 1920 include a user-selectable option for a
number of web page sites to advance back or forward when the Scroll forward 1116
(see Figure 11) or Scroll Back 1118 selection is selected, and a checkbox to lock the
30 display pane 212a in the ScrollShow mode such that the web page displayed in the

display pane 212a is not changed when a user scrolls forward or backwards using the Scroll Forward selection 1116 (see Figure 11) or the Scroll Back selection 1118 of the ScrollMarks menu 1110. The Auto Refresh options 1930 include a checkbox to allow autorefresh for each of the display panes 212a-212d and a user-selectable option that
5 allows the user to designate how often the currently displayed web page in each individual display pane 212 is downloaded from the web page site to refresh the display.

In a further embodiment, a "Default" check box is found in the configuration menu system 1510. Activation of the Default checkbox 1940 of Figure
10 19 changes file associations stored in the registry file of the computer operating system to select the present invention as the default browser. Procedures for changing file associations are well known in the art. As a result of the modified file associations, if the URL of a particular htm, http, html, or similar file is activated by a user typically clicking on the URL using the input mouse device 120, execution of the web page
15 display of the further embodiment is initiated if the web page display is not already active. The URL is found typically in word processing documents, e-mail documents or other computer files typically not displayed with a web browser. The associated htm, http, html, or similar files are typically found on a web site 132 on a network 130 or a local computer workstation user terminal 110.

Figure 20 illustrates a help menu 2010 of the pop-down menu control
20 214, which has a Contents selection 2012, a Product Updates selection 2014, and an About selection 2016. The Contents selection 2012 and the About selection 2016 access the configuration menu system 1510. The Product Updates selection 2014 accesses a web page containing information about product updates of the web page
25 display system.

From the foregoing it will be appreciated that, although specific embodiments of the invention have been described herein for purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention. Accordingly, the invention is not limited except as by the appended claims.

CLAIMS

1. A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

2. The display system of claim 1 wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.

3. The display system of claim 1 wherein the computer system includes a modem for accessing the network.

4. The display system of claim 1 wherein the computer system includes a network controller for accessing the network.

5. The display system of claim 1 wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites.

6. The display system of claim 5 wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas.

7. The display system of claim 5 wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites.

8. The display system of claim 7 wherein the selected list of web sites has a sequence and the predetermined order of display for one display area is different from the sequence of the selected list of web sites.

9. A display system for displaying web pages, the display system comprising:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.

10. The system of claim 9, further including a software program configured to be executed in one instance to provide support including communications support for all of the display areas.

11. The system of claim 9 wherein the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device.

12. The system of claim 9 wherein a total area of the plurality of non-overlapping display areas remains constant.

13. The system of claim 9 wherein the display controls of the display includes a designator control operable by a user to designate the number of the plurality of non-overlapping display areas.

14. The system of claim 9 wherein the display controls of the display comprises refresh, stop, home, and search controls.

15. The system of claim 9 wherein the independent display area controls each comprise controls selected from a list of controls comprising back, forward, stop, refresh, search, and web page selection.

16. The system of claim 9 wherein the web pages include Internet web pages.

17. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator.

18. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a portion of the display other than the overlapping display areas into a display area, the display area configured to display a web page associated with the dropped uniform reference locator.

19. A method of displaying web pages comprising:
requesting web pages from web page sites;
receiving the requested web pages from web page sites;

displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having a size;

changing the size of a first web page displayed in response to a sizing control command; and

resizing the web pages other than the first web page to maintain the size of the display area of all the web pages.

20. The method of claim 19, further comprising:

dragging a uniform resource locator from a portion of the display;

dropping the uniform resource locator on to one of the displayed web pages;

and

displaying a web page from a web page site associated with the uniform resource locator.

21. The method of claim 19, further including:

executing only one instance of a software program that manages the method of displaying web pages.

22. The method of claim 19 wherein requesting web pages is done with one control action for all requested web pages.

23. The method of claim 19, further comprising:

selecting a uniform resource locator with a single action of an input device controlling a cursor;

repositioning the cursor over one of the displayed web pages; and

displaying a web page from a web page sit associated with the uniform resource locator.

Add A' >

WEB PAGE DISPLAY SYSTEM

ABSTRACT OF THE DISCLOSURE

A display system displays web pages from web sites located on data communications networks such as the Internet network. The display system has display controls and a plurality of non-overlapping display areas. Each display area has independent display area controls and independently displays a web page. The display controls include a sizing control operable by a user to alter a size of all display areas simultaneously with one control action. The display system in an embodiment includes a browser software program to provide communications and display support. The browser software program is executed in only one instance to provide the support for the plurality of display areas. The display controls also include a designator control operable by a user to designate the number of the non-overlapping display areas to be displayed. The display controls also include a drag and drop control for universal reference locators.

WPN/520044/401-AP-V7

EXPRESS MAIL NO. EM175691174US

1

DECLARATION AND POWER OF ATTORNEY

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "WEB PAGE DISPLAY SYSTEM," which is described and claimed in the foregoing specification and for which a patent is sought.

We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; MAURICE J. PIRIO, Reg. No. 33,273; KARL R. HERMANN, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; ROBERT IANNUCCI, Reg. No. 33,514; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; BRYAN A. SANTARELLI, Reg. No. 37,560; CAROL NOTTENBURG, Reg. No. 39,317; CRAIG S. JEPSON, Reg. No. 33,517; PAUL T. PARKER, Reg. No. 38,264; JOHN C. STEWART, Reg. No. 40,188; DAVID W. PARKER, Reg. No. 37,414; ROBERT E. MATES, Reg. No. 35,271; BRIAN G. BODINE, Reg. No. 40,520; FRANK ABRAMONTE, Reg. No. 38,066; E. RUSSELL TARLETON, Reg. No. 31,800; FREDERICK M. FLIEGEL, Reg. No. 36,138; JAN C. L. MAXWELL, Reg. No. 41,181; THOMAS L. EWING, Reg. No. 34,328; CLIFTON G. GREEN, Reg. No. 41,044; KEVIN S. COSTANZA, Reg. No. 37,801; DALE C. BARR, Reg. No. 40,498; KEVIN S. ROSS, Reg. No. P-42,116; PAUL F. RUSYN, Reg. No. P-42,118; JOHN M. WECHKIN, Reg. No. P-42,216; THOMAS E. LOOP, Reg. No. P-42,810; STEPHEN J. ROSENMAN, Reg. No. P-43,058; and BRIAN L. JOHNSON, Reg. No. 40,033, comprising the firm of SEED AND BERRY LLP, 6300 Columbia Center, Seattle, Washington 98104-7092, as our attorneys to prosecute this application and transact all business in the Patent and Trademark Office

connected therewith. Please direct all telephone calls to **Brian L. Johnson** at (206) 622-4900 and telecopies to (206) 682-6031.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Brian Gerard Duperrouzel
Brian Gerard Duperrouzel

Date

7/27/98

Residence

City of San Francisco, County of San Francisco
State of California

Citizenship

United States of America

P.O. Address

391 Green Street
San Francisco, California 94133

Angus McNab Chassels IV
Angus McNab Chassels IV

Date

7/27/98

Residence

City of San Francisco, County of San Francisco
State of California

Citizenship

United Kingdom and Canada; Resident Alien, United States

P.O. Address

391 Green Street
San Francisco, California 94133

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

08/07/1998 SCARNICH 00000001 191090 09124468

01 FC:101		790.00 OP
02 FC:103	1.00 CH	65.00 OP

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 1997

Application or Docket Number

09 124468

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY
TYPE ☐

OR

OTHER THAN
SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	23 minus 20 =	* 3
INDEPENDENT CLAIMS	3 minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		

RATE	FEE
	395.00
x\$11=	
x41=	
+135=	
TOTAL	

OR

RATE	FEE
	790.00
x\$22=	66
x82=	
+270=	
TOTAL	856

OR

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 35	Minus ** 23	= 12
Independent	* 6	Minus *** 3	= 3
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDITIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL	
ADDITIONAL FEE	

OR

RATE	ADDITIONAL FEE
x\$22=	216
x82=	234
+270=	
TOTAL	450
ADDITIONAL FEE	

OR

BEST AVAILABLE COPY

(Column 1)

(Column 2)

(Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDITIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL	
ADDITIONAL FEE	

OR

RATE	ADDITIONAL FEE
x\$22=	
x82=	
+270=	
TOTAL	
ADDITIONAL FEE	

OR

(Column 1)

(Column 2)

(Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDITIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL	
ADDITIONAL FEE	

OR

RATE	ADDITIONAL FEE
x\$22=	
x82=	
+270=	
TOTAL	
ADDITIONAL FEE	

OR

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

Patitioner: Microsoft, Ex. 1012, p. 107



Receipt

1

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Application Processing Division, Customer Correction Branch, Assistant Commissioner for Patents, Washington, DC 20231.

October 20, 1998
Date

Brian L. Johnson
Brian L. Johnson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Art Unit : 2774
Docket No. : 520044.401
Date : October 21, 1998

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98 NOV -9 AM 10:30
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Application Processing Division
Customer Correction Branch
Assistant Commissioner for Patents
Washington, DC 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Attached is a copy of the official Filing Receipt received from the PTO in the above-identified application, for which issuance of a corrected Filing Receipt is respectfully requested.

There is an error with respect to the following data, which is incorrectly entered. There is an error in the filing date, which should read **July 28, 1998**.

The correction to be made has been marked in red on the copy of the enclosed Filing Receipt.

The correction is not due to any error by applicants and no fee is due.

Respectfully submitted,

Brian Gerard Duperrouzel et al.

SEED and BERRY LLP



Brian L. Johnson

Registration No. 40,033

BLJ:do

Enclosures:

Postcard

Copy of Filing Receipt

Copy of Express Mail Label

6300 Columbia Center

701 Fifth Avenue

Seattle, Washington 98104-7092

(206) 622-4900

Fax: (206) 682-6031

u:/brianj/520044/401/05

FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/124,468	07/29/98	2774	\$856.00	520044.401	20	23	3

SEED AND BERRY
6300 COLUMBIA CENTER
SEATTLE WA 98104-7092

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AUG 27 1998

SEED & BERRY LLP

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

BRIAN GERARD DUPERROUZEL, SAN FRANCISCO, CA;
ANGUS MCNAB CHASSELS IV, SAN FRANCISCO, CA.

FOREIGN FILING LICENSE GRANTED 08/20/98

TITLE

WEB PAGE DISPLAY SYSTEM

PRELIMINARY CLASS: 345

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Bib Data Sheet

CONFIRMATION NO. 6731

SERIAL NUMBER 09/124,468	FILING DATE 07/28/1998 ✓ RULE	CLASS 345	GROUP ART UNIT 2173	ATTORNEY DOCKET NO. 520044.401

APPLICANTS

BRIAN GERARD DUPERROUZEL, SAN FRANCISCO, CA;
ANGUS MCNAB CHASSELS IV, SAN FRANCISCO, CA;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 08/20/1998

** SMALL ENTITY **

Foreign Priority claimed ☐ yes ☒ no	STATE OR COUNTRY CA	SHEETS DRAWING 20	TOTAL CLAIMS 23	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met ☐ yes ☒ no ☐ Met after Allowance	Verified and Acknowledged Examiner's Signature _____ Initials _____			

ADDRESS

500
SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVE
SUITE 6300
SEATTLE, WA
98104-7092

Customer
#26119

TITLE

WEB PAGE DISPLAY SYSTEM

FILING FEE RECEIVED 653	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

SERIAL NUMBER 09/124,468	FILING DATE 07/28/98	CLASS 345	GROUP ART UNIT 2775	ATTORNEY DOCKET NO. 520044.401

APPLICANT

BRIAN GERARD DUPERROUZEL, SAN FRANCISCO, CA; ANGUS MCNAB CHASSELS IV,
SAN FRANCISCO, CA.

CONTINUING DOMESTIC DATA***
VERIFIED

NONE TH

371 (NAT'L STAGE) DATA***
VERIFIED

NONE TH

FOREIGN APPLICATIONS***
VERIFIED

NONE TH

FOREIGN FILING LICENSE GRANTED 08/20/98

Foreign Priority claimed 35 USC 119 (a-d) conditions met	☐ yes ☒ no ☐ yes ☒ no ☐ Met after Allowance	STATE OR COUNTRY CA	SHEETS DRAWING 20	TOTAL CLAIMS 23	INDEPEND CLAIMS 3
Verified and Acknowledged Examiner's Initials <u>TH</u> Initials _____					

ADDRESS

SEED AND BERRY
6300 COLUMBIA CENTER
SEATTLE WA 98104-7092

TITLE

WEB PAGE DISPLAY SYSTEM

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- ☐ 1.17 Fees (Processing E
- ☐ 1.18 Fees (Issue)
- ☐ Other
- ☒ Credit

Petitioners: Microsoft - Ex. 1012

*** APPLICATION INFORMATION DISPLAY ***

11/18/98 14:58

DETAIL
INFORMATION:

CONTENTS:

06 G038 L 11/13/98
05 DOCK D 11/09/98
04 DOCK D 09/09/98
03 OIPE I 08/28/98
02 SCAN E 08/12/98
01 IEXX E 07/31/98

SC/SN: 09/124468

FILDT: 07/28/98

PATNO:

ISSDT: 00/00/00

ABNDT: 00/00/00

APPL: DUPERROUZEL

LOC: 27C1

CHG-LOC:

CHGTO-NAME: NOT ASSIGNED

TOT ACT: 00 STATUS: 030 STADT: 09/09/98

RESP CD: START DT: / / DUE DT: / /

EXMR NO/NAME: 69170/SARAS, STEVEN J

DOCKET DATE: 09/09/98 GAU: 2775 L R CD: 01

ATTY DOCK #: 520044.401 LOST N LOST DT 00/00/00

APPLN TYPE: 1 TYPE SM ENT: 0 UNMAT PET: N

CURR CL/SC: 345/127.000 FOR PRIOR CL: N PET FAOM:

TITLE OF INVENTION: UNAVAIL FOR ACTION: N PP UNAVAIL:

WEB PAGE DISPLAY SYSTEM

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PATENT

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September 28, 1998
Date

Brian L. Johnson
COMPLETED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Docket No. : 520044.401
Date : September 28, 1998

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NOV 24 1998

Group 2700

Attention: Refund Unit
Accounting Division
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Washington, DC 20231

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Group 2700

REQUEST FOR REFUND

Sir:

Enclosed please find a Verified Statement Claiming Small Entity Status, along with a copy of the associated Assignment document which has been sent to the Assignment Branch which have been prepared for U.S. Application No. 09/124,468. We request that the Patent and Trademark Office refund \$493.00 of the fee, which was paid on July 28, 1998 in the amount of \$855.00. Please credit the refund to Deposit Account No. 19-1090, referencing our Docket No. 520044.401. The fee has been recalculated as follows in accordance with applicants' small entity status:

Basic Fee	\$395
Total Claims (23, 3 extra)	33
Independent Claims (3, 0 extra)	0
Missing Parts Surcharge	<u>65</u>
TOTAL	\$493.00

EE : I HJ 1 - 100 8681

Petitioner Microsoft - Ex. 1012, p. 115

Respectfully submitted,
Brian Gerard Duperrouzel et al.
SEED and BERRY LLP



Brian L. Johnson
Registration No. 40,033

BLJ:do

Enclosures:

Postcard
Verified Statement Claiming Small Entity Status
Copy of Assignment

6300 Columbia Center
701 Fifth Avenue
Seattle, Washington 98104-7092
(206) 622-4900
Fax: (206) 682-6031

u:/brianj/520044/401/01

Adjust Transactions

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Accounting Date	Operator ID	Seq. No.	Txn Src	Fee Code	St	Amount	Name/Number	Attny Dckt
10/08/1998	TTON11	274	SALE	581	A	40.00	09124468	520044.401
08/07/1998	SCARMICH	3	SALE	103	A	65.00	09124468	520044.401
08/07/1998	SCARMICH	2	SALE	103	A	1.00	09124468	520044.401
08/07/1998	SCARMICH	1	SALE	101	A	790.00	09124468	520044.401

66.00
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790.00
inc.



Adjustment date: 10/15/1998 FCONNELL
08/07/1998 SCARMICH 00000001 09124468
01 FC:101 -790.00 OP

10/15/1998 FCONNELL 00000010 09124468
01 FC:201 395.00 OP

Repln. Ref: 10/15/1998 FCONNELL 0014332500
DRI:191090 Name/Number:09124468
FC: 704 \$395.00 CR

Adjustment date: 10/15/1998 FCONNELL
08/07/1998 SCARMICH 00000001 191090 09124468
02 FC:103 1.00 CR -65.00 OP

10/15/1998 FCONNELL 00000011 09124468
01 FC:203 33.00 OP

Repln. Ref: 10/15/1998 FCONNELL 0014360800
DRI:191090 Name/Number:09124468
FC: 704 \$32.00 CR

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Brian G. Duperrouzel and Angus M. Chassels IV
 Attorney's Docket No: 520044.401
 Application No.: 09/124,468
 Filed: July 28, 1998
 For: WEB PAGE DISPLAY SYSTEM

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
 (37 C.F.R. §§ 1.9(f) AND 1.27(c)) -- SMALL BUSINESS CONCERN**

I declare that I am:

- ☐ the owner of the small business concern identified below.
☒ an official of the small concern empowered to act on behalf
 of the concern identified below.

NAME OF CONCERN: KatieSoft, Inc.
 ADDRESS OF CONCERN: 777 Florida Street, Suite 302
San Francisco, California 94110

I declare that the above-identified small business concern qualifies as a small business concern as defined in 13 C.F.R. §§ 121.3-18 and reproduced in 37 C.F.R. § 1.9(d) for purposes of paying reduced fees under 35 U.S.C. §§ 41(a) and 41(b) in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I declare that rights under contract or law have been conveyed to and remain with the small business concern with regard to the invention entitled:

WEB PAGE DISPLAY SYSTEM

by inventors: Brian G. Duperrouzel and Angus M. Chassels IV
 as described in:

- ☐ the specification filed herewith.
☒ Application No. 09/124,468, filed 07/28/98.
☐ Patent No. _____, issued _____.

If the rights held by the small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the
 Petitioner Microsoft - Ex. 1012, p. 118

invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 C.F.R. § 1.9(c) or by any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).*

*NOTE: Separate verified statements are required from each named person, concern and organization having rights to the invention averring to his/its status as a small entity. (37 C.F.R. § 1.27)

FULL NAME _____

ADDRESS _____

- ☐ individual
☐ small business concern
☐ nonprofit organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earlier of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b))

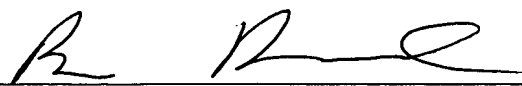
I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: _____ Brian Gerard Duperrouzel _____

TITLE OF PERSON: _____ President _____

ADDRESS OF PERSON SIGNING: _____ 777 Florida Street, Suite 302 _____

San Francisco, California 94133

SIGNATURE: _____  _____

DATE: _____ 9-22-98 _____

ASSIGNMENT

WHEREAS, we, Brian Gerard Duperrouzel and Angus McNab Chassels IV (hereinafter referred to as ASSIGNORS), both having a post office address of 391 Green Street, San Francisco, California 94133, are the joint inventors of an invention entitled "WEB PAGE DISPLAY SYSTEM," as described and claimed in the specification for which an application for United States letters patent was filed on July 28, 1998 and assigned Application No. 09/124,468.

WHEREAS, KatieSoft, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 777 Florida Street, Suite 302, San Francisco, California 94110, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

9-22-98
Date

Brian Gerard Duperouzzel
Brian Gerard Duperouzzel

State of California
County of San Francisco

ss.

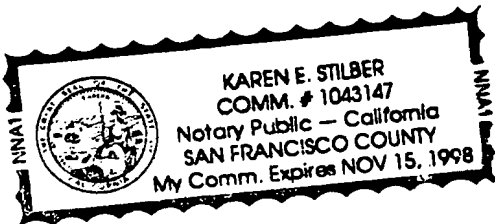
I certify that I know or have satisfactory evidence that Brian Gerard Duperouzzel is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 9-22-98

Signature of Notary Public Karen E. Stilber

Printed Name Karen E. Stilber

My appointment expires Nov. 15, 1998



Date
State of California
County of San Francisco

Angus McNab Chassels IV
Angus McNab Chassels IV

ss.

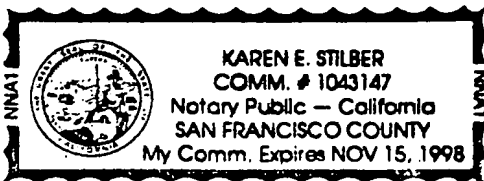
I certify that I know or have satisfactory evidence that Angus McNab Chassels IV is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 9-22-98

Signature of Notary Public Karen E. Stilber

Printed Name Karen E. Stilber

My appointment expires Nov. 15, 1998





SEED AND BERRY LLP
 6300 Columbia Center
 701 Fifth Avenue
 Seattle, Washington 98104-7092
 Phone (206) 622-4900
 Fax (206) 682-6031

Docket No.: **520044.401**
 Date: **August 12, 1999**

In re application of **Brian Gerard Duperrouzel and Angus McNab Chassels IV**
 Application No.: **09/124,468**
 Filed: **July 28, 1998**
 For: **WEB PAGE DISPLAY SYSTEM**

ASSISTANT COMMISSIONER FOR PATENTS
 WASHINGTON DC 20231

Sir:

Transmitted herewith is a Preliminary Amendment in the above-identified application.

- ☒ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A Petition for an Extension of Time for month is enclosed.
- ☐ A General Authorization Under 37 C.F.R. § 1.136(a)(3) is enclosed.
- ☐ No additional claim fee is required.
- ☒ The fee has been calculated as shown.

	(Col. 1)		(Col. 2)	(Col. 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST PREV. PAID FOR	PRESENT EXTRA
TOTAL	* 35	MINUS	** 23	12
INDEP.	* 6	MINUS	*** 3	3
[] FIRST PRESENTATION OF MULTIPLE CLAIMS				
EXTENSION OF TIME FEE				
TOTAL ADDITIONAL FEE				

SMALL ENTITY	
RATE	ADDITIONAL FEE
x 9	\$ 108
x 39	\$ 117
+ 130	\$
	\$ 225

OR

OTHER THAN A SMALL ENTITY	
RATE	ADDITIONAL FEE
x 18	\$
x 78	\$
+ 260	\$
	\$

OR

TOTAL

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.
- The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ Please charge my Deposit Account No. 19-1090 in the amount of \$_. A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$ 225 is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge payment of the following additional fees associated with this communication or credit any overpayment to Deposit Account No. 19-1090. A duplicate copy of this sheet is enclosed.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17.

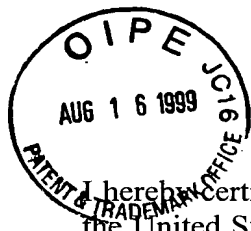
Respectfully submitted,

SEED AND BERRY LLP

Brian L. Johnson

Brian L. Johnson
Registration No. 40,033

u:\blj\520044\401\09\vl



1

31A
9/16/99
2

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

August 12, 1999 Brian L. Johnson
Date Brian L. Johnson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Art Unit : 2775
Docket No. : 520044.401
Date : August 12, 1999

Assistant Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

RECEIVED
AUG 19 1999
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Sir:

Please amend the above-identified application as follows:

In the Claims:

Please add the following new claims:

-24. A display system for displaying web pages accessible via a network, the display system comprising:

AI

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00 00 211
00 00 211

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer;

a first software program configured to provide instructions to send the web page requests and to receive web pages with the computer system using only one instance of the software program; and

a second software program configured to display the web pages in the non-overlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas.

25. A display system for displaying web pages accessible via a network, the display system comprising:

A' a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of display areas configured to independently display a web page received by the computer; and

a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.

26. The display system of claim 25 wherein the display control is further configured to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites.

27. The display system of claim 25 wherein each display area of the group of display areas displays in a predetermined order a web page from the list of web page sites.

28. The display system of claim 25 wherein the list of web page sites has a sequence and each display area has a predetermined order of display of web page sites from

the list of web page sites, the predetermined order of display for one display area being independent from the sequence of the list of web page sites.

29. The display system of claim 25 wherein the display control is configured to provide control of the group of the display areas, the control to be selected from a list of controls comprising sizing, refresh, stop, home, scrolling, and search controls.

30. A display system for displaying web pages accessible via a network, the display system comprising:

a data storage area to store a list of web page sites;

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and

a display having a plurality of display areas, each display area configured to independently display a web page received by the computer.

31. The display system of claim 30, further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area.

32. The display system of claim 31 wherein at least one of the web pages in the first set of web pages is also present in the second set of web pages.

33. The display system of claim 31, further comprising a display control configured to assign for display each web page from the first set of web pages to a selected one of the plurality of display areas according to an order of the first set of web pages and an order of the display areas, the display control configured to subsequently assign for display

each web page from the second set of web pages to the selected display area to replace the web page assigned from the first set of web pages.

34. The display system of claim 30, further comprising a scroll control configured to control an advancement of display of web pages from a list of web pages, the web pages being displayed on selected display areas of the plurality of display areas according to an order of the list, the scroll control sequentially shifting at least one web page from the selected display area to a different selected display area.

35. The display system of claim 34, further comprising a scroll lock control configured to designate a selected display area of the plurality of display areas for which no sequential shifting will occur--

REMARKS

Claims 1-35 are pending in this application. Examination of the pending claims is requested.

Respectfully submitted,

SEED and BERRY LLP



Brian L. Johnson

Registration No. 40,033

BLJ:lmr

Enclosures:

Postcard

Check

Form PTO-1083 (+ copy)

6300 Columbia Center
701 Fifth Avenue
Seattle, Washington 98104-7092
(206) 622-4900
Fax: (206) 682-6031

wpn\520044\401\pre-amd-1\1



P 2775

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

#4
1-15-00

Date January 10, 2000

Michael J. Donohue
Michael J. Donohue

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel and Angus McNab Chassels IV
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Art Unit : 2775
Docket No. : 520044.401
Date : January 10, 2000

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JAN 14 2000
TC 2700 MAIL ROOM

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents:

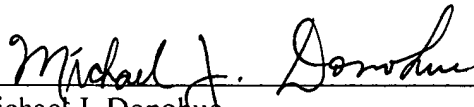
In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

I hereby certify that no item set forth on the attached form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge, after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

Brian Gerard Duperrouzel and Angus McNab Chassels IV
Seed Intellectual Property Law Group PLLC



Michael J. Donohue
Registration No. 35,859

MJD:lb

Enclosures:

Postcard

Form PTO-1449

Cited References (1)

701 Fifth Avenue, Suite 6300

Seattle, Washington 98104-7092

Phone: (206) 622-4900 / Fax: (206) 682-6031

wpn/520044/401/Forms/IDS.doc

WEST[Help](#)[Logout](#)[Interrupt](#)

09/124,468

[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
scrol\$ and lock and 5414809.pn.	1

Database:

US Patents Full-Text Database	▲
JPO Abstracts Database	
EPO Abstracts Database	
Derwent World Patents Index	
IBM Technical Disclosure Bulletins	▼

Refine Search:[Clear](#)**Search History****Today's Date:** 11/6/2000

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,EPAB,DWPI,TDBD	scrol\$ and lock and 5414809.pn.	1	<u>L16</u>
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USPT,EPAB,DWPI,TDBD	lock\$ and 5414809.pn.	1	<u>L14</u>
USPT,EPAB,DWPI,TDBD	l12 and lock\$	2	<u>L13</u>
USPT,EPAB,DWPI,TDBD	scrol\$ near4 lock\$ and pane and (display\$)	2	<u>L12</u>
USPT,EPAB,DWPI,TDBD	scrol\$ lock\$ and pane and (display\$)	0	<u>L11</u>
USPT,EPAB,DWPI,TDBD	scrol\$ lock\$ and (display\$).ti.	3	<u>L10</u>
USPT,EPAB,DWPI,TDBD	scrol\$ and lock\$ and l7	0	<u>L9</u>
USPT,EPAB,DWPI,TDBD	scrol\$ same lock\$ and l7	0	<u>L8</u>
USPT,EPAB,DWPI,TDBD	6119135.pn.	1	<u>L7</u>
USPT,EPAB,DWPI,TDBD	scrol\$ near2 lock same control same display\$ and (window or pane) and l3	2	<u>L6</u>
USPT,EPAB,DWPI,TDBD	scrol\$ lock and (window or pane) and siz\$ and adjust\$ and l3	6	<u>L5</u>
USPT,EPAB,DWPI,TDBD	scrol\$ lock and pane and siz\$ and adjust\$ and l3	0	<u>L4</u>
USPT,EPAB,DWPI,TDBD	((345/\$)![CCLS])	26848	<u>L3</u>
USPT,EPAB,DWPI,TDBD	(window or pane) and l1	7	<u>L2</u>
USPT,EPAB,DWPI,TDBD	scrol\$ with lock with control and config\$	11	<u>L1</u>



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.

09/124,468 07/28/98 DUPERROUZEL

B 520044.401

EXAMINER

000500 TM02/1115

SEED INTELLECTUAL PROPERTY LAW GROUP PLLC

701 FIFTH AVE

SUITE 6300

SEATTLE WA 98104-7092

ART UNIT

PAPER NUMBER

2173
DATE MAILED:

11/15/00

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

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/124,468

Applicant(s)

Duperrouzel et al.

Examiner
Tadesse Hallu

Group Art Unit
2173



☒ Responsive to communication(s) filed on Aug 16, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

☒ Claim(s) 1-35 is/are pending in the application.

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

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-35 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☒ The drawing(s) filed on Jul 29, 1998 is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☒ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

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

☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 4

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

DETAILED ACTION

Specification & Drawings

1. The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code (see page 19, lines 8 and 11 & Figs. 2-18 & 20). Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Claim Rejections - 35 USC § 103

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

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

3. **Claims 1-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over *IBM, Systems Application Architecture, "Common User Access Advanced Interface Design Guide,"* pp. 95-101, June 1989 in view of *Helfman* (6,119,135).**

IBM, Systems Application Architecture, ...("IBM") relates to *multiple-document interface* that allows users to view many objects at the same time.

Helfman relates to data networks such as the Internet and intranets, and more particularly, to passively browsing for information by viewing images (col 1, lines 10-12).

Art Unit: 2173

as per claim 1, IBM's *multiple-document interface* rendered obvious claim 1. IBM discloses the following: simultaneously adjusting (such as, tile windows vertically or tile horizontally controls), multiple non-overlapping display areas, wherein all multiple windows adjusted or arranged to a need size, display controls, size controls are shown (see Figs. 58 and 61, pages 97 and 99). Although IBM teaches displaying plurality of documents over multiple non-overlapping display areas. IBM does not explicitly state displaying a web page received by the computer.

However, Helfman does teach this shortcomings. Helfman discloses a display system including a computer configured to send requests for web pages and to receive web pages via the network from web page sites (see Helfman: col 1, line 36-col 2, line 24). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to connect the display system of IBM's *multiple-document interface* to the network so that each display area could have accessed several web sites, viewing abundant information at any time.

Per claims 9, 19, 24, 25 and 30:

Independent claims 9, 19, 24, 25 and 30 are rejected for reasons similar to those given for the rejection of claim 1.

As per claims 2, 3, 21, Helfman further discloses a web browser (software program) involved with sending the web page requests and receiving and displaying web pages (figs. 3-9).

As per claim 3, Helfman does disclose modem for accessing the Internet or any network (see figs. 3-9, at the client).

Art Unit: 2173

As per claims 4, 5, Helfman further discloses a computer system storage and network browsers or a web page display controller for accessing the network (col 1, line 36-col 2, line 24, see figs. 3-9).

As per claim 6, IBM further discloses plurality of controls (such as, menus, icons and toolbars) not being part of the group of the display areas (see Figs. 58 and 61, pages 97 and 99).

As per claims 7 and 8, Helfman further discloses a list of group accessed sites arranged in any predetermined order, sequentially or in any modified order (such as, bookmark or history) (col 3, line 5-col 4, line 62; col 5, line 16-col 6, line 57).

As per claim 11, IBM further discloses that sizing control including moving a mouse over a border to size the window or pane (see Figs. 58 and 61, pages 97 and 99).

As per claims 12, 13, IBM's multiple non overlapping windows can be fixed or constant (see Figs. 58 and 61, pages 97 and 99), wherein all viewed document could be tiled or only the desired number of documents could be tiled in a non overlapping manner.

As per claims 14, 15, and 29, Helfman further discloses Netscape Communication Corporation's Navigator Web browser (col 4, lines 16-30), wherein it comprises refresh, stop, home, scrolling, and search controls. It also comprises controls selected from a list of control comprising back, forward, stop, refresh, search, and web page selection.

As per claim 16, Helfman further disclose Internet web pages (see figs. 3-9).

As per claims 17, 18 and 20, Helfman further disclose manipulating objects (such as, drag-and-drop from first area to another area) (col 3, line 5-col 4, line 62).

Art Unit: 2173

As per claims 22 and 23, Navigator Web browser does execute an active request of a web pages from a web sites and displays a web page site associated with URL (col 3, line 5-col 4, line 62; col 5, line 16-col 6, line 57).

As per claim 26, Helfman further discloses a list of web sites to dis choose from (col 3, lines 5-54).

As per claims 27, Helfman further discloses multiple areas displayed from a list of web page groups (col 3, line 5-col 4, line 62; col 5, line 16-col 6, line 57).

As per claim 28, Navigator Web browser displays a visited site in a sequence or can be customized or modified (such as *bookmarking* and *history*) in any predetermined order (col 3, line 5-col 4, line 62; col 5, line 16-col 6, line 57).

As per claims 31-33, Claims 31-33 call for selection and display control, and a set of web pages to be displayed. Helfman further discloses a list of web pages to be displayed to each respective display areas (col 3, line 5-col 4, line 62; col 5, line 16-col 6, line 57).

4. **Claims 34 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over IBM in view of Helfman (6,119,135) as applied to claims above, and further in view of Hogan et al. (5,414,809).**

Hogan et al. ("Hogan") relates to computer processes, and more particularly to a method of using a computer to provide a graphics interface, which displays a graph of data and permits the user to modify the data by directly manipulating the graph.

Art Unit: 2173

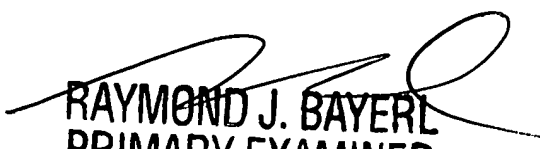
As per claims 34 and 35, these claims call for scroll control configurations. Although IBM in view of Helfman disclose a scrolling features and a scroll bar (see Figs. 58 and 61, pages 97 and 99), a scroll lock control and configurations features is not explicitly shown. However, Hogan discloses reference markers for display and, also disclose Scrolling Metrics dialog option, wherein users may choose to check mark the scroll lock option (col 39, lines 16-62, col 50, lines 38-65). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the scrolling feature of IBM with Hogan in order to provide a user a better selection or set up option and to control the scrolling mechanism of a displayed object.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to *Tadesse Hailu*, whose telephone number is (703) 306-2799. The Examiner can normally be reached on M-F from 9:00 - 5:30 ET. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, *John Cabeca*, can be reached at (703) 308-3116 Art Unit 2173 CPK 2-4A51

6. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Tadesse Hailu Nov. 06, 2000


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

09/124468

NOTICE OF DRAFTERPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 7/29/92 are:

A. ☒ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B. ☒ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. ____ Color drawing are not acceptable until petition is granted. Fig.(s) _____ ____ Pencil and non black ink is not permitted. Fig(s) _____ 2. PHOTOGRAPHS. 37 CFR 1.84(b) ____ Photographs are not acceptable until petition is granted. ____ 3 full-tone sets are required. Fig(s) _____ ____ Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) _____ ____ Poor quality (half-tone). Fig(s) _____ 3. TYPE OF PAPER. 37 CFR 1.84(e) ____ Paper not flexible, strong, white and durable. Fig.(s) _____ ____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (~~too thin~~) ____ Mylar, vellum paper is not acceptable (too thin). Fig(s) _____ 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: ____ 21.0 cm by 29.7 cm (DIN size A4) ____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches) ____ All drawings sheets not the same size. Sheet(s) _____ 5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 ____ Margins not acceptable. Fig(s) _____ ____ Top (T) _____ Left (L) ____ Right (R) _____ Bottom (B) 6. VIEWS. CFR 1.84(h) REMARKER: Specification may require revision to correspond to drawing changes. ____ Views connected by projection lines or lead lines. Fig.(s) _____ Partial views. 37 CFR 1.84(h)(2) ____ Brackets needed to show figure as one entity. Fig.(s) _____ ____ Views not labeled separately or properly. Fig.(s) _____ ____ Enlarged view not labeled separately or properly. Fig.(s) _____	7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) ____ Hatching not indicated for sectional portions of an object. Fig.(s) _____ ____ Sectional designation should be noted with Arabic or Roman numbers. Fig.(s) _____ 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) ____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig.(s) _____ ____ Views not on the same plane on drawing sheet. Fig.(s) _____ 9. SCALE. 37 CFR 1.84(k) ____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig.(s) _____ 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l) ____ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality). Fig.(s) <u>1-20</u> 11. SHADING. 37 CFR 1.84(m) ____ Solid black areas pale. Fig.(s) _____ ____ Solid black shading not permitted. Fig.(s) _____ ____ Shade lines, pale, rough and blurred. Fig.(s) _____ 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.48(p) ____ Numbers and reference characters not plain and legible. Fig.(s) <u>1-20</u> ____ Figure legends are poor. Fig.(s) <u>1-20</u> ____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig.(s) _____ ____ English alphabet not used. 37 CFR 1.84(p)(3) Fig.(s) _____ ____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s) <u>1-20</u> 13. LEAD LINES. 37 CFR 1.84(q) ____ Lead lines cross each other. Fig.(s) _____ ____ Lead lines missing. Fig.(s) _____ 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t) ____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig.(s) _____ 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) ____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s) _____ 16. CORRECTIONS. 37 CFR 1.84(w) ____ Corrections not made from PTO-948 dated _____ 17. DESIGN DRAWINGS. 37 CFR 1.152 ____ Surface shading shown not appropriate. Fig.(s) _____ ____ Solid black shading not used for color contrast. Fig.(s) _____
COMMENTS	

REVIEWER

T. A. M. C.

DATE

8/27/92

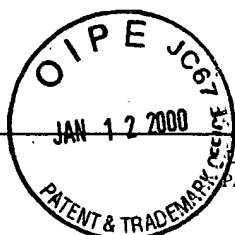
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ATTACHMENT TO PAPER NO.

5

PTO COPY

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
520044.401APPLICATION NO.
09/124,468

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Brian Gerard Duperrouzel and Angus McNab
Chassels IVFILING DATE
July 28, 1998GROUP ART UNIT
2775

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TH	AA	5,712,995	01/27/98	Cohn	395	342	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

Tadese Hailu

DATE CONSIDERED

11-03-2000

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



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Patent and Trademark Office

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FILE LOCATION 27X1 SERIAL NUMBER 09124468 PATENT NUMBER

THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 500

THE PRACTITIONERS OF RECORD HAVE BEEN CHANGED TO CUSTOMER # 500

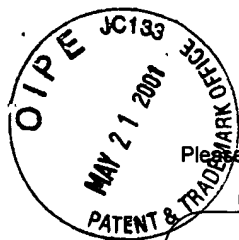
ON 09/14/00 THE ADDRESS OF RECORD FOR CUSTOMER NUMBER 500 IS:

SEED INTELLECTUAL PROPERTY LAW GROUP PLL
701 FIFTH AVE
SUITE 6300
SEATTLE WA 98104-7092

AND THE PRACTITIONERS OF RECORD FOR CUSTOMER NUMBER 500 ARE:

16557	22846	28066	28893	30633	31153	31800	32629	33332	33507
33514	33963	35859	35939	37414	37801	38079	40033	40520	42810
43058	43498	44614	46209	46274					

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THIS FILE IS ASSIGNED TO GAU 2773.



2173
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(To be used for all correspondence after initial filing)

Application Number	09/124,468
Filing Date	July 28, 1998
First Named Inventor	Brian G. Duperrouzel
Group Art Unit	2173
Examiner Name	T. Hailu
Attorney Docket No.	520044.401

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MAY 25 2001

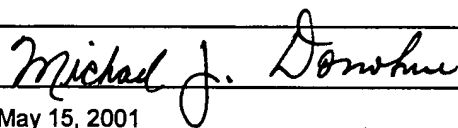
ENCLOSURES (check all that apply)

Technology Center 2100

☒ Fee Transmittal Form ☒ Fee Attached ☒ Amendment/Response ☐ After Final ☐ Affidavits/declaration(s) ☒ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement; Form PTO-1449 ☐ Cited References ☐ Certified Copy of Priority Document(s) ☐ Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 ☐ Response to Missing Parts/Incomplete Application	☐ Assignment Papers (for an Application) ☐ Drawing(s) ☐ Request for Corrected Filing Receipt ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation, Change of Correspondence Address ☐ Declaration ☐ Statement under 37 CFR 3.73(b) ☐ Terminal Disclaimer ☐ Small Entity Statement ☐ Request for Refund	☐ CD(s), Number of CD(s) _____ ☐ After Allowance Communication to Group ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☒ Return Receipt Postcard ☐ Additional Enclosure(s) (please identify below): _____ _____ _____ _____

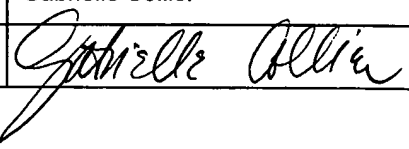
Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

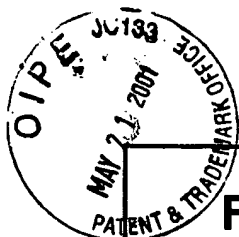
Individual Name	Michael J. Donohue	 00500 PATENT TRADEMARK OFFICE
Signature		
Date	May 15, 2001	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on the date specified below.

Typed or printed name	Gabrielle Collier	
Signature		Date: May 15, 2001

520044.401/146055 [12/19/00]

**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **445**

Complete if Known	
Application Number	09/124,468
Filing Date	July 28, 1998
First Named Inventor	Brian G. Duperrouzel
Examiner Name	T. Hailu
Group Art Unit	2173
Attorney Docket No.	520044.401

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MAY 25 2001

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METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																																																			
1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: 19-1090 Deposit Account Name: Seed Intellectual Property Law Group PLLC ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 and credit any overpayment to Deposit Account Number above. ☒ Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td>445</td></tr><tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr><tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr><tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr></tbody></table>		Large Entity		Small		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month	445	118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	130	123	130	Petitions related to provisional applications		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
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2. EXTRA CLAIM FEES <table border="1"><thead><tr><th></th><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Total Claims</td><td>35</td><td>-35** = 0</td><td>0</td></tr><tr><td>Independent Claims</td><td>6</td><td>-6** = 0</td><td>0</td></tr><tr><td>Multiple Dependent</td><td></td><td></td><td></td></tr></tbody></table> <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="4">SUBTOTAL (2)</td><td></td><td>(\$)</td></tr></tbody></table>			Extra Claims	Fee from below	Fee Paid	Total Claims	35	-35** = 0	0	Independent Claims	6	-6** = 0	0	Multiple Dependent				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$)																																																																																																																						
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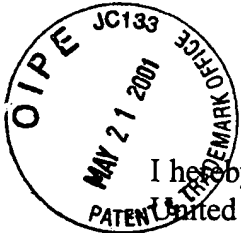
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Firm Name/Address			
Signature	Michael J. Donohue	Date	May 15, 2001



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5-30-01
B. Hilliard

PATENT

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May 15, 2001
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Gabrielle Collier
Gabrielle Collier

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Applicants : Brian G. Duperrouzel et al.
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

MAY 25 2001

Technology Center 2100

Examiner : T. Hailu
Art Unit : 2173
Docket No. : 520044.401
Date : May 15, 2001

Commissioner for Patents
Washington, DC 20231

RESPONSE

Commissioner for Patents:

In response to the Office Action dated November 15, 2001, please extend the period of time for response three months, to expire on May 15, 2001. Enclosed are a Petition for an Extension of Time and the requisite fee. Please amend the application as follows:

REMARKS/ARGUMENTS

Claims 1-33 are rejected under 35 U.S.C. § 103(a) as unpatentable over an IBM systems application architecture publication entitled "Common User Access Advanced Interface Design Guide" combined with U.S. Patent No. 6,119,135 to Helfman. As will be discussed in detail below, the Applicants kindly disagree with the assessment of the prior art and its applicability to the claimed invention.

The Office Action refers to Figures 58 and 61 of the IBM documents and states that the IBM document discloses simultaneously adjusting tile windows, multiple non-overlapping display areas, display controls, and size controls. However, it should be noted that the IBM document describes display aspects of the operating system OS/2. The tile arrangement illustrated in Figure 58 allows multiple windows to be displayed in a tile format. However, the IBM document does not teach or suggest automatically resizing the display areas simultaneously with one control action. Indeed, tiling arrangements of this era require the user to manually adjust the size of each tile and manually position each tile on the display screen. Neither Windows 3.1 or OS/2 automatically resize the tiled windows. When the user enlarges a single window so that it fills the entire display area, the remaining three inactive windows are "underneath" the active window and are not visible to the user. At a subsequent time, when the user reduces the active window to its previous size, the four tiled windows will once again be visible. However, the size of the inactive windows does not change. If the user wishes to enlarge the active window while still keeping the three remaining windows visible, the user can "drag" the border of the active window to the desired size. The size of the inactive windows does not change and the active window will overlap the remaining windows to some degree. There is no action, such as a "drag-and-drop" mouse function that allows the user to enlarge one window while automatically reducing the size of the other windows so that the display windows remain non-overlapping. The IBM document does not teach or suggest a non-overlapping approach when resizing the windows. If, for example, the user wishes to enlarge the upper left window, the upper left window will overlap the remaining windows. Thus, the IBM document does not teach or suggest independent non-overlapping display windows with adjustable sizes so that a single action will cause the resizing of all windows, as recited in claim 1 of the present invention.

Furthermore, it should be noted that the system shown in the IBM document has only a single active window at a time. In the example of Figure 58, the upper left window is active as indicated by the presence of a scroll bar on the right portion of the active window. Figure 61 illustrates a single active display area split into four panes and shows scroll bars that control the scrolling activity in multiple panes. For example, users can vertically scroll the top two panes with the top vertical scroll bar and scroll the bottom two panes with the bottom

vertical scroll bar. (See p. 100, ¶ 2.) Thus, a single scroll bar controls scrolling activity in multiple panes. This approach teaches directly away from claim 1 which specifies that "each non-overlapping display area having independent display area controls."

Finally, the IBM document does not permit activity in multiple windows. That is, only one window at a time is active. In Figure 58, the upper left window is active, as previously noted. In Figure 61, a single window is split into multiple panes. However, the multiple panes do not permit the display of multiple objects, but merely display multiple parts of a single object. For example, a single spreadsheet may have multiple sections of interest to the user. The multiple panes can be used to display different parts of a spreadsheet in a side-by-side fashion. However, these are not multiple objects and the display areas do not independently display web pages. This is in sharp contrast to claim 1 of the present invention, in which the independent display areas have independent display controls and are configured to independently display web pages received by the computer. 3

The Office Action states that, while the IBM document does not explicitly displaying "a web page," Helfman does teach such a system. However, the careful reading of Helfman indicates that it simply discloses a technique for passively browsing the Internet by pointing a cursor at a selected image and maintaining a list of addresses (*i.e.*, a URL) associated with each image. This eliminates the need for the user to type in the URL and allows faster access to images. However, clicking on a particular image transmits a specific URL for a particular website. Any additional images or URLs are retrieved are based on the execution of code from that one single website. For example, clicking on the home page of a web site, such as a news network, results in the display of multiple images. These images may be tiled, overlapping, non-overlapping, or any combination thereof. However, the specific display of images is under control of the web browser and the web site not under control of the user. Furthermore, the multiple images that may be retrieved from a web site are displayed in a single active pane on a display. 4

The combination of the IBM document and Helfman would still not result in the invention recited in claim 1. As previously discussed, the IBM document does not permit more than one active window at a time. If the teachings of Helfman were combined with the IBM document, the multiple images retrieved from a single web site would be displayed in the active

window. This does teach or even suggest multiple active windows that are each sending independent requests to independent web sites where multiple images may be retrieved from the web sites and displayed in each of the display panes. Thus, the combination of the IBM document and Helfman do not suggest the claimed invention.

Specifically, claim 1 recites *inter alia* a display having “a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas.” As discussed in greater detail above, with each of the non-overlapping display areas “having independent display area controls and configured to independently display a web page received by the computer.” As discussed above, the combination of the IBM document and Helfman does not teach multiple display areas that operate independently and independently display web pages received by the computer. As noted above, the display system disclosed in the IBM document does not permit more than one window to be active at a time. Thus, the IBM system could not send independent web requests for each display area and independently display the results on each of those independent display windows. Finally, claim 1 recites “a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.” Thus, the user may display multiple web pages independently in multiple display areas. In one example, illustrated in Figure 2, four display area are illustrated with each display area configured to display a different web page. The specific layout of the web pages shown in the display area is under the control of the web browser and under the control of the web site by virtue of the images returned to the computer in response to a request for a web page. That is, the web site may send back multiple images with instructions for the web browser to display the multiple images in a tile format, overlapping, non-overlapping, or any combination thereof. However, as discussed above, this action occurs in a single display area under control of the web site and the web browser. Helfman is directed to the multiple display images from a particular web site and does not teach or suggest transmitting multiple requests to simultaneously display the multiple web pages in multiple independent display areas. Finally, neither reference, taken alone or in combination, suggests a sizing control whereby all of the display areas may be automatically resized with one control action while maintaining the collective size of the non-overlapping display areas. This is

illustrated in Figure 3 of the application where the user may enlarge, by way of example, the upper right display area while automatically reducing the size of the remaining there display areas. Accordingly, claim 1 is clearly allowable over the cited references.

Claims 2-8 are also allowable in view of the fact that they depend from claim 1, and further in view of the recitation in each of those claims. For example, claim 2 recites that the computer system executes “only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.” In one example embodiment, only a single instance of Internet Explorer is required. While Helfman discloses a web browser software program. Helfman is only sending and displaying the contents from a single web page. The mere fact that the web page returns multiple images does not even suggest sending multiple requests for web pages and displaying those web pages in independently controllable display areas. For example, Figures 2 and 3, discussed above, illustrate the independent display of four different web pages using only a single instance of Internet browser software. The cited references do not teach or even suggest sending multiple requests to multiple different web pages and independently displaying those web pages on different display areas. 6

Claim 9 is directed to a system having a display with independent controls and “a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page.” Claim 9 further recites “a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.”

As discussed above with respect to claim 1, the references do not teach any system where multiple display areas are independently active to independently display a web page. The system disclosed in the IBM document has multiple windows, but only one window is active at a time. The system disclosed in the IBM document does not teach or suggest multiple independent display areas each having independent display area controls. Finally, the references, taken alone or in combination, do not suggest a sizing control that is operable by the user to alter the display sizes simultaneously with one control action. As previously noted, the tiling system disclosed in Figures 58 and 61 of the IBM document do not permit such automatic resizing. If the user enlarges one display area, it is at the expense of overlapping the other display areas. In

this case, the displays are not “non-overlapping” as required by claim 9. Accordingly, claim 9 is clearly allowable over the cited references.

Claims 10-18 are also allowable in view of the fact that they depend from claim 9, and further in view of the recitation in each of those claims.

Claim 19 is an independent method claim directed to the display of multiple web pages and recites *inter alia* “displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having a size.” Claim 19 further recites “changing the size of a first web page displayed in response to a sizing control command; and resizing the web pages other than the first web page to maintain the size of the display area of all the web pages.” As discussed above with respect to other independent claims, the references cited in the Office Action do not suggest displaying multiple web pages in multiple non-overlapping displays wherein the size of the display of one web page may be changed in response to a user command and wherein the remaining web pages are automatically resized in order to maintain the non-overlapping display area for all of the web pages. Thus, claim 19 is clearly allowable over the cited references.

Claims 20-23 are also allowable in view of the fact that they depend from claim 19, and further in view of the recitation in each of those claims.

Claim 24 is a system claim that recites *inter alia* “a computer system configured to send requests for web pages via the network to web page sites,” as well as “to receive web pages via the network from web page sites.” The system also recites “a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer.” A first software program is configured to send the web page requests and to receive web pages “using only one instance of the software program.” Finally, a second software program is configured “to display the web pages in the non-overlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas.” As previously discussed, the system disclosed in the IBM document does not have non-overlapping display areas that can independently display web pages. Indeed, the system in the IBM document does not permit more than one active window at a time and does not suggest multiple active independent display areas. Thus the IBM document teaches directly away from

the claimed invention, which permits the independent display of web pages in non-overlapping display areas. Thus, claim 24 is clearly allowable over the cited references.

Claim 25 is directed to a display system in which a list of web site pages is available and includes a computer system configured to send requests for web pages to web page sites and receive web pages from the web page sites. Claim 25 recites *inter alia* “a display having a plurality of display areas configured to independently display a web page received by the computer; and a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.” As previously discussed, the combination of references cited in the Office Action do not suggest a plurality of display areas configured to independently display web pages received by the computer. As noted above, Helfman displays multiple images in a single display area under the control of a web site. Furthermore, the references, taken alone or in combination, do not teach or suggest a list of web page sites which are used to provide the data to the display areas. It should be noted that the “list” of URLs described in Helfman are, in fact, a list of URLs are associated with the graphic images shown on the display. That is, a list of URLs associated with the graphic images and, when the user selects a particular graphic image, the underlying URL is transmitted over the computer network. This teaches directly away from the present invention which performs the opposite procedure. There are no graphic images associated with the list of web site pages recited in claim 25. Rather, claim 25 recites a system in which a list of web page sites are used to retrieve the data for display in the display areas. Helfman does not teach or suggest a display control configured to activate a group of display areas to each display a web page from a list of web page sites. Indeed, neither of the references, taken alone or in combination, suggest a plurality of display areas configured to independently display a web page or a system in which a group of display areas are activated to display web pages from a list of web page sites. Thus, claim 25 is clearly allowable over the cited references.

Claims 26-29 are also allowable in view of the fact that they depend from claim 25 and further in view of the recitation in each of those claims. For example, claim 26 recites a display control that is further configured “to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites.” Helfman discloses a single list containing a one-to-one correspondence between images

on the display and the underlying URL. (See column 4, lines 32-36.) In contrast, the invention recited in claim 26 contains a plurality of lists of web sites. As illustrated in Figures 15-17 of the present invention, the user may specify multiple home pages for the display areas as well as multiple lists of web sites. For example, a user may have a list of financial web sites that are independently displayed in the multiple display areas. In addition, the user may have a list of sports web sites that are independently displayed in the plurality of display areas. It should be noted that none of these lists are selected based on an association with displayed images, such as taught by Helfman. Furthermore, the user does not select any URL in the list of web sites by pointing to a graphic image. Thus, claim 26 is clearly allowable over the cited references.

Claims 27-29 are directed to various aspects of multiple display lists. For example, claim 27 is directed to a system in which the groups of display lists are displayed in a predetermined order. The multiple display areas may sequentially display data from multiple web sites in the lists in a predetermined order. Claim 28 is directed to a system in which one display area may display lists in a sequence other than the predetermined order. None of the references cited in the Office Action suggest such a system.

Claim 30 is directed to a system for displaying web pages and recites *inter alia* "to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites" and includes a computer system configured to send requests for web pages to web page sites and receive web pages from the web page sites based "upon a selected list of the stored web page sites in the data storage area." Finally, claim 30 recites a display having a plurality of display areas, each display area configured to independently display a web page received by the computer. As noted above, the IBM document only allows one display area to be active at a time and thus cannot independently display web pages received by the computer. Helfman does not overcome this deficiency since it is directed only to a single display area that displays multiple images under control of the web site and browser software (there are no independent display areas). Further, Helfman displays a plurality of images and maintains a single list associating each of the images with an underlying associated URL. However, there are no multiple display areas that independently display web pages, such as recited in claim 30. Accordingly, claim 30 is clearly allowable over the cited references.

Claims 31-35 are also allowable in view of the fact that they depend from claim 30, and further in view of the recitation in each of those claims. For example, claim 31 is directed to a system in which a list of web page addresses is stored in the data storage area and a selection control is configured to "select a first set of web pages to be displayed in the display areas from the list" wherein the number of web pages from the first set is less than or equal to the number of display areas in the plurality of display areas. The cited references do not teach or suggest the selection of a set of web site pages that are less than or equal to the number of display areas. Indeed, as discussed above, the combination of references does not even suggest the independent display of web pages on the multiple display areas. Thus, claim 31 is clearly allowable over the cited references. Claims 32-35 are directed to additional features of the display controls. For example, claim 33 is directed to a system in which the first set of web site pages are displayed according to an order of the first set of web pages and subsequently displays web site pages from the second page to the selected display area to replace the web page assigned from the first set of web pages. Claim 34 is directed to a system in which a scroll control is configured to control an advancement of the display of web pages from the list of web pages with the web pages being displayed on selected display areas according to an order of the list such that the scroll control sequentially shifts one web page from the a selected display to a different selected display area. Claim 35 is directed to a control lock that is configured to designate a selected display area for which no sequential shifting will occur. The references cited by the Examiner do not teach or suggest such control. Accordingly, claims 31-35 are allowable over the cited references.

It should be noted that claims 34 and 35 are rejected under 35 U.S.C. § 103(a) as unpatentable over the IBM document combined with Helfman and further in view of U.S. Patent No. 5,414,809 to Hogan et al. The Office Action cites Hogan et al. as teaching the use of graphical controls to select a scroll lock option. However, the scroll locking referred to in Hogan et al. is scroll locking within a particular display. In sharp contrast, the scrolling referred to in claims 34 and 35 is a system wherein multiple display areas are sequentially scrolling from one web site to another. In one example discussed above, the user may have a predesignated list of financial web sites. Using this example, in accordance with the principles of the present invention, as recited in claim 34, the user may scroll through the list of financial web sites such

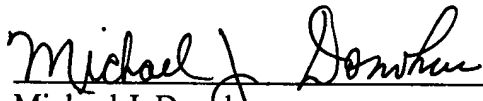
each of the plurality of display areas will display sequential ones of the financial web sites. Thus, the display "scrolls" through the list of web sites. The scroll locking feature recited in claim 35 allows the user to designate a single display area, such as, by way of example, the upper left display area, which will display a selected web site and will not be active in the scrolling process. In an example of four display areas, one display area will not scroll through the list of web sites while the remaining three display areas will sequentially scroll through the list of web sites. This is a completely different function than a scroll lock feature such as described in Hogan et al. Thus, claims 34 and 35 are clearly over the combination of the IBM document, Helfman, and Hogan et al.

In view of the above amendments and remarks, reconsideration of the subject application and its allowance is kindly requested. If questions remain regarding the present application, the Examiner is invited to contact the undersigned at (206) 622-4900.

Respectfully submitted,

Brian G. Duperrouzel et al.

SEED Intellectual Property Law Group PLLC


Michael J. Donohue
Registration No. 35,859

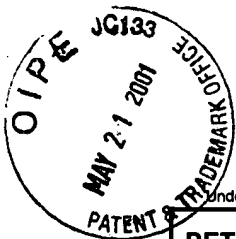
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number 520044.401
In re Application of Brian G. Duperrouzel et al.		
Application Number 09/124,468		Filed July 28, 1998
For WEB PAGE DISPLAY SYSTEM		
Group Art Unit 2173	Examiner T. Hailu	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a Reply in the above identified application.

The requested extension and appropriate non-small-entity fee are as follows (check time period desired):

- ☐ One month (37 CFR 1.17(a)(1)) \$ _____
- ☐ Two months (37 CFR 1.17(a)(2)) \$ _____
- ☒ Three months (37 CFR 1.17(a)(3)) \$890
- ☐ Four months (37 CFR 1.17(a)(4)) \$ _____
- ☐ Five months (37 CFR 1.17(a)(5)) \$ _____
- ☒ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is \$ 445.
- ☒ A check in the amount of the fee is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Commissioner has already been authorized to charge fees in this application to a Deposit Account.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required to Deposit Account Number 19-1090.
- ☒ The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 19-1090.

I am the ☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ attorney or agent of record.

☐ attorney or agent under 37 CFR 1.34(a).

Registration number if acting under 37 CFR 1.34(a). _____

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

May 15, 2001

Date

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Michael J. Donohue

Typed or printed name

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	non-overlap\$ same web near2 pages	4	L8
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	non-overlap\$ same web near2 pages and resiz\$ and scrol\$	0	L7
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	non-overlap\$ same independent\$ same web near2 pages and resiz\$ and scrol\$	0	L6
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(multi-window or (plurality near3 windows)) and web pages and display\$ and resiz\$ and scrol\$	14	L5
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(multi-window or (plurality near3 windows)) same web pages same display\$	1	L4
USPT	5734380.pn. and web	0	L3
USPT	5734380.pn. and internet	0	L2
USPT	5734380.pn.	1	L1



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.

09/124,468 07/28/98 DUPERROUZEL

B 520044.401

EXAMINER

000500 TM02/0806
SEED INTELLECTUAL PROPERTY LAW GROUP PLL
701 FIFTH AVE
SUITE 6300
SEATTLE WA 98104-7092

HALLU, T ART UNIT	PAPER NUMBER

2173
DATE MAILED:

08/06/01

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

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/124,468

Applicant(s)

Duperrouzel et al.

Examiner

Tadesse Hailu

Art Unit

2173



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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on May 21, 2001
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 and 14-30 is/are rejected.
- 7) ☒ Claim(s) 13 and 31-35 is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirements.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____

Art Unit: 2173

DETAILED ACTION

1. This Office Action is in response to a *RESPONSE* entered on 5/21/2001.

Specification & Drawings

2. The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code (see page 19, lines 8 and 11). Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Claim Rejections - 35 USC § 103

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

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

4. **Claims 1-12, 14-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042).**

Regarding claim 1, Adams et al (6,237,030) discloses a method for viewing a plurality of network locations concurrently, and in particular to a method and system for retrieving and

Art Unit: 2173

displaying a plurality of network locations in response to a single user input (col 1, lines 10-19, col 8, lines 64-col 9, lines 60). In addition, '030 discloses a display (160) having display controls (see figs. 6 or 8). Specially fig. 8 shows non-overlapping display areas, but it is not explicitly described whether these areas overlapped or not when adjusted, and these “display areas having a collective size equal to the sum of the non-overlapping display areas” could not be true if these areas overlapped. However, Santos-Gomez (5,920,315) discloses this shortcomings (see Abstract). Moreover while Santos-Gomez (5,920,315) further discloses a resizeable pane, “a sizing control operable by a user to adjust the size of the display areas simultaneously” is not explicitly shown.

However, Santos-Gomez improved his own invention by introducing a *Single Size Control Separator* (55) (“a sizing control”) (col 7, lines 9-56) into his other patent (5,771,042) (see figs. 5 and 6). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to incorporate the manipulating mechanism, such as resizing panes of Santos-Gomez with the display areas of Adams because user of the system would be able to adjust the display areas (panes) without overlapping one area over the other and view many documents simultaneously.

Regarding claims 2, 21, 22, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) describe either an independent browser application programs started for each displayed link or a single browser application (“one control action”)

Art Unit: 2173

could be utilized to display the predetermined group of web pages (see Adams: col 11, lines 52-64).

Regarding claims 3, and 4, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose a network controller interface device to access other systems (see Adams: fig. 2 #36).

Regarding claims 5, 26, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose plurality of controls, such as menu options and toolbar buttons configured to manipulate a plurality of display areas, and user can select a web page from a saved bookmark list (see Adams: col 11, lines 6-37).

Regarding claim 6, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose a plurality of menu items when one of these items is selected it creates a pulldown menu area which is not part of the group (plurality of web sites) display area (see Adams: such as fig. 5, #105, col 11, lines 6-25).

Regarding claims 7, 27, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose that each display area for each web page is displayed in a predetermined order of web page selected from the bookmark list (see Adams: col 11, lines 38-col 12, lines 18).

Regarding claims 8, 28, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose that for each activated linked web page, there is a sequence and a predetermined order of display (see Adams: col 11, lines 38-51).

Art Unit: 2173

Regarding claim 9, while claim 9 not necessary identical in scope, contain limitations similar to independent claim 1, thus, claim 9 is also unpatentable for at least the reasons disclosed above with respect to claim 1.

Regarding claim 10, claim 10 is also unpatentable for at least the reasons disclosed above with respect to claim 2.

Regarding claim 11, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose a *Single Size Control Separator* (55) ("a sizing control") manipulated by a mouse (see '042: fig. 6).

Regarding claim 12, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose (see '042: figs. 5 and 6), wherein the size of the total display area of all workspace remains the same and it is also adds up to be equal to the total display area.

Regarding claim 13, objected, because no the display includes a *designator control* found.

Regarding claims 14, 29, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose a list of display controls such as *refresh*, *stop*, *home*, and *search* of Netscape Navigator features (see Adams: fig. 8).

Regarding claim 15, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose a list of controls such as *refresh*, *stop*, *home*, *back*, *forward*, *search* and web page selection that are display control features of Netscape Navigator (see '030:

Art Unit: 2173

fig. 8). Furthermore, each workspaces having its own display controls (having window properties) also described in '315 (see '315: col 5, lines 1-col 6, lines 40).

Regarding claim 16, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose that web pages that include Internet web pages (see '030: fig. 8).

Regarding claims 17, 18, 20, 23, Adams et al (6,237,030) in view of Santos-Gomez (5,920,315) and Santos-Gomez (5,771,042) disclose that a Location URL can be dragged and dropped on a desired display location to display a web page (see '030: col 6, lines 6-31).

Regarding claims 19, 24, 25, 30, while these claims not necessary identical in scope, contain limitations similar to independent claim 1, thus, these claims 19, 24, 25 and 30 are also unpatentable for at least the reasons disclosed above with respect to claim 1.

Allowable Subject Matter

5. Claims 13, 31-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: The examiner has carefully considered all the claims 1-35. The present invention relates to display systems for displaying network-based web page display systems. The prior art of record fails to teach the combination of claim elements including "the controls of the display includes a

Art Unit: 2173

designator control operable by a user to designate the number of the plurality of non-overlapping display areas” of claim 13. The prior art of record also fails to teach the combination of claim elements including “a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web pages sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, ...” of claim 31. The prior art of record further fails to teach the combination of claim elements including “a scroll control configured to control an advancement of display of web pages from a list of web pages, ... sequentially shifting at least one page from the selected display area to a different selected display area.” of claim 34.

Thus, prior art neither renders obvious nor anticipates the combination of claimed elements in light of the specification.

Response to Arguments

7. Applicant's arguments with respect to claims 1-35 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to *Tadesse Hailu*, whose telephone number is (703) 306-2799. The Examiner can normally be reached on M-F from 9:00 - 5:30 ET. If attempts to reach the Examiner by

Art Unit: 2173

telephone are unsuccessful, the Examiner's supervisor, *John Cabeca*, can be reached at (703) 308-3116 Art Unit 2173 CPK 2-4A51

9. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Tadesse Hailu 30 July 2001


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

Notice of References CitedApplicant/Patent
Duperrouzel et al.Application/Control No.
09/124,468Examiner
Tadesse HalluArt Unit
2173

Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	6,237,030	5/2001	Adams et al.	709	218
B	5,920,315	7/1999	Santos-Gomez	345	788
C	5,771,042	6/1998	Santos-Gomez	345	788
D	5,734,380	3/1998	Adams et al.	345	781
E	6,008,809	12/1999	Brooks	345	788
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	
V	
W	
X	

^{*} A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).¹ Dates in MM-YYYY format are publication dates.² Classifications may be U.S. or foreign.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

500 7590 06/06/2002

SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVE
SUITE 6300
SEATTLE, WA 98104-7092

EXAMINER

HAILU, TADESSE

ART UNIT

PAPER NUMBER

2173

DATE MAILED: 06/06/2002

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

Notice of Abandonment

Application No.
09/124,468

Applicant(s)
Duperrouzel et al.

Examiner
Tadesse Hailu

Art Unit
2173



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

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on Aug 6, 2001.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113(a) to the final rejection.

(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted issue fee of \$ _____ is insufficient. A balance of \$ _____ is due.

The issue fee required by 37 CFR 1.18 is \$ _____. The publication fee, if required by 37 CFR 1.18(d) is \$ _____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed new formal drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interferences rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel et al.
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Examiner : Tadesse Hailu
Art Unit : 2173
Docket No. : 520044.401
Date : November 6, 2002

Box DAC
Commissioner for Patents
Washington, DC 20231

RESPONSE

Commissioner for Patents:

In response to the Office Action dated August 6, 2001, please reconsider the application in view of the following remarks:

REMARKS

Claims 1-35 are pending. Claims 1-12 and 14-30 were rejected. Claims 13 and 31-35 were objected to.

The applicants appreciate the indication that claims 13 and 31-35 are directed to allowable subject matter. These claims are not being placed in independent form at this time because the claims from which they depend are allowable over the cited references for the reasons expressed below.

Claims 1-12 and 14-30 were rejected under 35 U.S.C. § 103(a) as unpatentable U.S. Patent No. 6,237,030 to Adams et al. ("Adams") in view of U.S. Patent Nos. 5,920,315 to Santos-Gomez and 5,771,042 to Santos-Gomez.

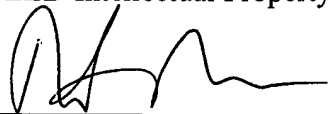
Claims 1-12 and 14-30 are not obvious in view of the cited references because Adams is not prior art. Adams has a filing date of June 30, 1998, which is less than one month prior to the July 28, 1998 filing date of the present application. The invention recited in the pending claims was reduced to practice prior to the June 30, 1998 filing date of Adams. Enclosed are declarations, signed by the inventors of the present application, stating that the invention was embodied in one or more products that existed before June 30, 1998. Also enclosed are two documents, dated prior to June 30, 1998, that support the inventors' declarations. Accordingly, claims 1-12 and 14-30 are in condition for allowance.

In view of the above remarks, reconsideration of the subject application and its allowance is kindly requested. If questions remain regarding the present application, the Examiner is invited to contact the undersigned at (206) 622-4900.

Respectfully submitted,

Brian Gerard Duperrouzel et al.

SEED Intellectual Property Law Group PLLC



Robert Iannucci

Registration No. 33,514

RI:lt

Enclosures:

Rule 131 Declaration of Brian Gerard Duperrouzel w/attachments

Rule 131 Declaration of Angus McNab Chassels IV w/attachments

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Gerard Duperrouzel et al.
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Examiner : T. Hailu
Art Unit : 2173
Docket No. : 520044.401
Date : November 6, 2002

Box DAC
Commissioner for Patents
Washington, DC 20231

RECEIVED

NOV 08 2002

OFFICE OF PETITIONS

DECLARATION OF ROBERT IANNUCCI IN SUPPORT
OF PETITION TO REVIVE UNDER 35 C.F.R. § 1.137

Commissioner for Patents:

I, Robert Iannucci, declare and state that:

I am an attorney of record in this application and admitted to practice before the Patent and Trademark Office, Registration No. 33,514.

I understand that the above-referenced patent application went abandoned on November 7, 2001 because of a failure to respond to an office action mailed August 6, 2001. I believed that the entire delay in responding to the office action was unintentional in view of the following facts detailed below. The delay was unintentional because no person involved with the application or the assignees ever decided to permanently abandon the application. In particular, no person involved with the application or the assignees ever reviewed the office action and cited references and decided that protection could not be obtained. In fact, some claims of the application were already deemed allowable by the Examiner, and many others were believed to be allowable as soon as the cited references were reviewed by me.

The primary cause of the delay was an attempt by Seed first to obtain payment from the original assignee, Katiesoft for a reply to the office action, and second to find a

company willing to purchase the application and pay for the reply. An agreement for Microsoft to purchase the application was reached only within the last two weeks.

The August 6, 2001 office action was received at the offices of Seed on August 13, 2001. On August 25, 2001, Michael Donohue, an attorney at Seed at the time, reported the office action to David Parker and Angus Chassels (one of the inventors) at Katiesoft (see printed email at Attachment A). Mr. Donohue sent a second email to Mr. Parker on August 31, 2001 which discusses the office action in more detail (see printed email at Attachment B). The email states that Mr. Donohue did not study the references cited in the office action and that Mr. Donohue had no opinion regarding the relevance of the references. Mr. Donohue also reported that the due date for responding to the office action was November 6, 2001 and that the due date could be extended up to three months.

On October 11, 2001, Mr. Donohue sent another email (Attachment C) to Mr. Parker explaining that Mr. Donohue could do no further work on the matter without an advance fee deposit because of the large amount of money owed by Katiesoft to Seed. On October 12, 2002, Mr. Parker sent an email (Attachment D) to Mr. Donohue stating that he saw no alternative to abandonment, but asked if there was any value to the IP for Seed. On November 6, 2001, Mr. Donohue sent an email (Attachment E) to Mr. Parker stating that Seed would be willing to accept assignment of the above-referenced patent application (and another patent application that Seed had filed on behalf of Katiesoft) in lieu of money owed by Katiesoft to Seed. On December 18, 2001, Katiesoft assigned the applications to Seed, the assignment being filed for recording on December 19, 2001.

On December 20, 2001, Mr. Donohue sent an email (Attachment F) to Bill Ferron, who was and is the Chief Executive Officer of Seed, requesting advice on what should be done with respect to the above-reference patent application given that some claims were allowed and that Mr. Donohue believed more claims should be allowed. Mr. Ferron responded that day (see email at Attachment G) advising Mr. Donohue not to respond to the office action unless Mr. Donohue believed he could obtain some of the money that was owed to Seed by Katiesoft.

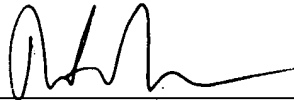
In January, 2002, Mr. Donohue asked me if I believed Microsoft would be interested in buying the applications assigned to Seed by Katiesoft. I said that he should call Patricia Bornes, a patent attorney at Microsoft, and gave him her phone number on January 31, 2002 (see email at Attachment H). Mr. Donohue discussed the application with Microsoft attorneys several times in the next months, but no agreement could be reached. On April 29, 2002, Mr. Donohue sent an email (Attachment I) to Kevin Luo, a Microsoft attorney, explaining that a response to the office action would have to be filed along with the petition to revive the application. Before a final agreement could be reached, Mr. Donohue left Seed in June 2002.

Mr. Luo also changed responsibilities at Microsoft and was no longer assigned to the group that was interested in buying the Katiesoft patent applications.

The Katiesoft files were misplaced due to the departure of Mr. Donahue and were re-discovered at Seed on July 24, 2002. In response, I attempted to contact Microsoft to see if an agreement could be reached for Microsoft to purchase the Katiesoft applications. After several discussions between myself and attorneys for Microsoft, an agreement was reached on October 28, 2002 for Microsoft to purchase the present application.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Dated this 6th day of November, 2002.



Robert Iannucci
Registration No. 33,514

Enclosures:

Attachments A-I

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

D:\NrPortbl\iManage\BOBI\330939_1.DOC

Gabrielle Collier

From: Mike Donohue
Sent: Friday, August 24, 2001 8:13 AM
To: 'caryl@earthlink.net'
Cc: Gabrielle Collier
Subject: FW: KatieSoft

-----Original Message-----

From: Mike Donohue
Sent: Friday, August 24, 2001 8:11 AM
To: 'Dave Parker'
Cc: 'angus@hools.com'; Gabrielle Collier
Subject: RE: KatieSoft

Hi Dave --

We have received a second Office Action in Katiesoft's pending patent application. The Examiner has rejected claims based on some new references, but indicated that some claims would be allowable in independent form.

I have not received any update from you on the status of the negotiations with 2CE. Can you give me an update? The A/R for the Katiesoft account is over \$50,000 with about \$4,500 of that amount being recent A/R for responding to the first Office Action.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

-----Original Message-----

From: Mike Donohue
Sent: Friday, July 20, 2001 9:40 AM
To: Mike Donohue; 'Dave Parker'
Cc: angus@hools.com; Gabrielle Collier
Subject: RE: KatieSoft

Hi Dave --

I still have not received any update from you either on the negotiations with 2CE or on my comments regarding providing 2CE with a copy of our response to the Patent Office.

We can probably expect a second Office Action in the near future. We filed a response on May 15, 2001 and the average time for the Patent Office to respond to an amendment is about 2 months.

I would like to know that there is some progress in getting financing or selling the company before I expend any additional time on this matter. Please give me an update as soon as possible.

Mike

-----Original Message-----

From: Mike Donohue
Sent: Thursday, June 28, 2001 11:43 AM
To: Mike Donohue; 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: KatieSoft

Hi Dave --

Please give me an update on the negotiations with 2CE.

Mike

-----Original Message-----

From: Mike Donohue
Sent: Monday, June 18, 2001 11:33 AM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: KatieSoft

Hi Dave --

I have not heard back from you on the issue of disclosing the response to 2CE. As an alternative, I can give them a verbal summary.

Have negotiations progressed any further?

Please keep me informed.

Mike

-----Original Message-----

From: Mike Donohue
Sent: Wednesday, May 30, 2001 8:00 AM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: KatieSoft

Hi Dave --

Is it advisable to provide a copy of the response to 2CE in view of the fact that these guys seemed willing to let the application go abandoned? The pending application may be a valuable asset that they seemed willing to give up before purchasing the assets of KatieSoft. If 2CE is not a serious contender, is it likely they will simply sit on any offer until the next Office Action?

I look to you for guidance in determining whether these guys are serious about an asset purchase.

Mike

-----Original Message-----

From: Dave Parker [mailto:davep@buzme.com]
Sent: Tuesday, May 29, 2001 2:28 PM
To: Mike Donohue
Cc: Seashols@aol.com; Angus Chassels; weiss@greyheron.com
Subject: Fw: KatieSoft

Mike,

Please send the appropriate materials to 2Ce's attorneys per the email below.

Copy me as well.

Regards,

/dp

----- Original Message -----

From: Mike Rosen

To: Dave Parker

Cc: Ted Naccarella ; Cheryl Sciecinski

Sent: Tuesday, May 29, 2001 11:02 AM

Subject: RE: KatieSoft

Thanks for contacting me David,
As promised I will review my Boards marching orders and will respond shortly.
I have spoken to my attorney in regard to your response to the patent office,
and he requested a copy of the document. If you can please forward it to Ted
Naccarella at Synnestvedt & Lechner it will expedite our response.
Thanks
Mike

-----Original Message-----

From: Dave Parker [<mailto:davep@buzme.com>]

Sent: Tuesday, May 29, 2001 12:58 PM

To: Mike@2ce.com

Subject: Re: KatieSoft

Mike,

Nice speaking with you.

Yes, please let me know the guidelines for going forward
that were outlined by your board.

Thanks for the update on your business. Congratulations on
the positive developments with customer traction,
engineering release, and interim financing.

Looking forward to your response.

Regards,

/dp

Gabrielle Collier

From: Mike Donohue
Sent: Friday, August 31, 2001 7:17 AM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: Re: [Fwd: FW: KatieSoft]

The Examiner issued a second (non-final) Office Action. Claims 1-12 and 14-30 are rejected in light of newly cited references. The Examiner indicated that claims 13 and 31-35 would be allowable in independent form. We have two options at this point. One is to review the Office Action and cited references in detail and prepare a response. I have not reviewed the references and thus cannot offer any opinion as the relevance of the references. You should expect a detailed review of the references to cost approximately \$1500. An amendment/response may cost an additional \$1500.

The second alternative is to amend the claims to gain allowance of claims 13 and 31-35 and cancel the rejected claims. This would allow you to get a patent issued. A Continuation application could be filed to go after broader claims. You should expect to pay approximately \$1500 for such an amendment. If you elect this route, we would expect a Notice of Allowance from the Patent Office in the near future. This will require the submission of formal drawings and the payment of the issue fee. I can get a more accurate estimate of the cost for the formal drawings, but you can expect to pay approximately \$1000. The issue fee is approximately \$700.

Please note that the current balance on this account is more than \$50,000. Whichever strategy you elect, we request the fees and costs in advance so that Katiesoft does not fall further behind.

Also please note that the response to the Office Action should be filed by November 6, 2001. However, this time can be extended up to three months with the payment of additional government fees.

Please let me have your instructions well in advance of the due date.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

-----Original Message-----

From: Dave Parker [mailto:dp@appeal.se]
Sent: Saturday, August 25, 2001 2:01 AM
To: miked@seedlaw.com
Subject: Fwd: Re: [Fwd: FW: KatieSoft]

----- Forwarded message from Dave Parker <dp@appeal.se> -----
Date: Sat, 25 Aug 2001 11:00:25 +0200 (CEST)
From: Dave Parker <dp@appeal.se>
Reply-To: Dave Parker <dp@appeal.se>
Subject: Re: [Fwd: FW: KatieSoft]
To: caryl parker <caryl.p@earthlink.net>

What claims are rejected?
What claims are allowable? But in another form, and what does that really mean anyway?

I've been waiting for the next shoe to drop regarding the patent status, then I'm ready to call the appropriate parties.

Please educate me on the material status, and I will get some things going.

Regards,

/dp

Quoting caryl parker <caryl@earthlink.net>:

>
>

David D. Parker
CEO Appeal
mailto:dp@appeal.se
cell:650-868-5857
pager:800-313-3492
----- End forwarded message -----

David D. Parker
CEO Appeal
mailto:dp@appeal.se
cell:650-868-5857
pager:800-313-3492

Gabrielle Collier

520044

From: Mike Donohue
Sent: Thursday, October 11, 2001 1:22 PM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: Re: [Fwd: FW: KatieSoft]

Hi Dave --

I have not received any payment or instructions from you in the KatieSoft patent matter. When I drafted the previous amendment without receiving any advance fee deposit, you indicated that you would work to complete the sale of the company and pay the overdue A/R. However, your email of August 25, 2001 indicates that you have not moved forward with the sale of the company, but were awaiting news on the patent prosecution. This is contrary to our arrangement.

The total A/R is now over \$51,000. We are unable to continue prosecution of the case without receiving advance fee deposits to cover the additional attorney fees. Accordingly, please forward an advance fee deposit in the amount of \$5,000 so we may continue to prosecute the application.

Please note that a response is due in the Patent Office by November 6, 2001. This time may be extended up to three more months with the payment of additional governmental fees. Please note that the application will be abandoned if we do not respond by February 6, 2002.

We ask that you provide us with the requested payment and instructions no later than October 30, 2001 to permit sufficient time to prepare and file a response. If you delay beyond that point, it will be necessary to increase the advance fee deposit to cover the additional out of pocket expenses for the extension fees.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

-----Original Message-----

From: Mike Donohue
Sent: Friday, August 31, 2001 7:17 AM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: Re: [Fwd: FW: KatieSoft]

The Examiner issued a second (non-final) Office Action. Claims 1-12 and 14-30 are rejected in light of newly cited references. The Examiner indicated that claims 13 and 31-35 would be allowable in independent form. We have two options at this point. One is to review the Office Action and cited references in detail and prepare a response. I have not reviewed the references and thus cannot offer any opinion as the relevance of the references. You should expect a detailed review of the references to cost approximately \$1500. An amendment/response may cost an additional \$1500.

The second alternative is to amend the claims to gain allowance of claims 13 and 31-35 and cancel the rejected claims. This would allow

Gabrielle Collier

From: David Parker [dp@appeal.se]
Sent: Friday, October 12, 2001 7:22 AM
To: Mike Donohue; gabriellec@seedlaw.com
Subject: Re: [Fwd: FW: KatieSoft]

Mike,

Sorry for taking so long to produce so little in the way of information.

I don't have any more data today than some weeks ago. The 2Ce folks have been unresponsive. I can only guess why, but giving the increasingly severe financing environments, I would presume that they are struggling for their own survival.

Absent some positive information, which is unexpected at this point, the I don't no of any alternative to abandonment of the claim.

Is the defense of the IP an any conceivable value to your firm? I would presume not, but outside the box thinking sometimes is constructive.

I am flat out today with a number of business meetings and conference calls. I will have time next week to discuss options, if any, that we may have.

My best voicemail is 650-375-1124.

Regards,

/dp

Mike Donohue wrote:

Hi Dave --

I have not received any payment or instructions from you in the Katiesoft patent matter. When I drafted the previous amendment without receiving any advance fee deposit, you indicated that you would work to complete the sale of the company and pay the overdue A/R. However, your email of August 25, 2001 indicates that you have not moved forward with the sale of the company, but were awaiting news on the patent prosecution. This is contrary to our arrangement.

The total A/R is now over \$51,000. We are unable to continue prosecution of the case without receiving advance fee deposits to cover the additional attorney fees. Accordingly, please forward an advance fee deposit in the amount of \$5,000 so we may continue to prosecute the application.

Please note that a response is due in the Patent Office by November 6, 2001. This time may be extended up to three more months with the payment of additional governmental fees. Please note that the application will be abandoned if we do not respond by February 6, 2002.

We ask that you provide us with the requested payment and instructions no later than October 30, 2001 to permit sufficient time to prepare and file a response. If you delay beyond that point, it will be necessary to

increase the advance fee deposit to cover the additional out of pocket expenses for the extension fees.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

-----Original Message-----

From: Mike Donohue
Sent: Friday, August 31, 2001 7:17 AM
To: 'Dave Parker'
Cc: Gabrielle Collier
Subject: RE: Re: [Fwd: FW: KatieSoft]

The Examiner issued a second (non-final) Office Action. Claims 1-12 and 14-30 are rejected in light of newly cited references. The Examiner indicated that claims 13 and 31-35 would be allowable in independent form. We have two options at this point. One is to review the Office Action and cited references in detail and prepare a response. I have not reviewed the references and thus cannot offer any opinion as the relevance of the references. You should expect a detailed review of the references to cost approximately \$1500. An amendment/response may cost an additional \$1500.

The second alternative is to amend the claims to gain allowance of claims 13 and 31-35 and cancel the rejected claims. This would allow you to get a patent issued. A Continuation application could be filed to go after broader claims. You should expect to pay approximately \$1500 for such an amendment. If you elect this route, we would expect a Notice of Allowance from the Patent Office in the near future. This will require the submission of formal drawings and the payment of the issue fee. I can get a more accurate estimate of the cost for the formal drawings, but you can expect to pay approximately \$1000. The issue fee is approximately \$700.

Please note that the current balance on this account is more than \$50,000. Whichever strategy you elect, we request the fees and costs in advance so that Katiesoft does not fall further behind.

Also please note that the response to the Office Action should be filed by November 6, 2001. However, this time can be extended up to three months with the payment of additional government fees.

Please let me have your instructions well in advance of the due date.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

-----Original Message-----

From: Dave Parker [<mailto:dp@appeal.se>]
Sent: Saturday, August 25, 2001 2:01 AM
To: miked@seedlaw.com

Subject: Fwd: Re: [Fwd: FW: KatieSoft]

----- Forwarded message from Dave Parker <dp@appeal.se> -----

Date: Sat, 25 Aug 2001 11:00:25 +0200 (CEST)

From: Dave Parker <dp@appeal.se>

Reply-To: Dave Parker <dp@appeal.se>

Subject: Re: [Fwd: FW: KatieSoft]

To: caryl parker <caryl@earthlink.net>

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What claims are allowable? But in another form, and what does that really mean anyway?

I've been waiting for the next shoe to drop regarding the patent status, then I'm ready to call the appropriate parties.

Please educate me on the material status, and I will get some things going.

Regards,

/dp

Quoting caryl parker <caryl@earthlink.net>:

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David D. Parker
CEO Appeal
<mailto:dp@appeal.se>
cell:650-868-5857
pager:800-313-3492

----- End forwarded message -----

David D. Parker
CEO Appeal
<mailto:dp@appeal.se>
cell:650-868-5857
pager:800-313-3492

This email and any attachment contain information which is private and confidential and is intended for the addressee only. If you are not an addressee, you are not authorized to read, copy or use this email or any attachment. If you have received this email in error, please destroy it and notify the sender by return email.

-----Original Message-----

From: Dave Parker [mailto:dp@appeal.se]
Sent: Friday, November 16, 2001 9:50 AM
To: Mike Donohue
Cc: Angus Chassels; Mike Seashols
Subject: Re: Assignment of KatieSoft patent applications

Yes, both Angus Chassels, founder, and Mike Seashols, COB, have agreed to the transfer.

Please draw up the papers.

/dp

----- Original Message -----

From: Mike Donohue
To: 'Dave Parker'
Cc: Mike Donohue
Sent: Friday, November 16, 2001 9:30 AM
Subject: RE: Assignment of KatieSoft patent applications

Can you give me an update on this issue? We would like to conclude the transfer process by the end of the month.

Mike

-----Original Message-----

From: Dave Parker [mailto:dp@appeal.se]
Sent: Tuesday, November 06, 2001 2:27 PM
To: Mike Donohue
Subject: Re: Assignment of KatieSoft patent applications

I have forwarded your email to Mike Seashols, former chairman of the board, and Angus Chassels, founder. I expect their response shortly.

/dp

----- Original Message -----

From: Mike Donohue
To: 'Dave Parker'
Cc: Management Committee ; Mike Donohue
Sent: Tuesday, November 06, 2001 2:12 PM
Subject: Assignment of KatieSoft patent applications

Hi Dave --

As you know, a response is due today in the first KatieSoft patent application.

Based on your previous instructions, we will not file any response at this time.

You indicated a willingness to assign the patent applications to Seed Intellectual Property Law Group PLLC in lieu of the money currently owed to Seed. The current balance on your account is \$51,615.29.

After consultation with the firm management, Seed would be willing to accept assignment of U.S. Patent Application No. 09/124,468 entitled WEB PAGE DISPLAY SYSTEM, filed on July 28, 1998 and U.S. Patent Application No. 09/475,319 entitled SYSTEM AND METHOD FOR SAVING USER-SPECIFIED VIEWS OF INTERNET WEB PAGE DISPLAYS, filed on December 30, 1999 in lieu of the outstanding balance on your account.

If this is acceptable to you, please give us a name of a board member authorized to assign the applications on behalf of KatieSoft and we will prepare the necessary papers.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

This email and any attachment contain information which is private and confidential and is intended for the addressee only. If you are not an addressee, you are not authorized to read, copy or use this email or any attachment. If you have received this email in error, please destroy it and notify the sender by return email.

Gabrielle Collier

From: Mike Donohue
Sent: Thursday, December 20, 2001 11:55 AM
To: Bill Ferron
Cc: Gabrielle Collier
Subject: Katiesoft Assignment

Hi Bill --

Yesterday we received the signed assignments from Katiesoft and mailed them to the PTO for recordation. As you may recall, we have received a second Office Action in first application and have yet not received any correspondence in the second application.

I need your guidance on the first application. The Examiner indicated that some claims would be allowable in independent form, but I believe that more claims should be allowable. Since the firm now owns the patent applications, I want to know if I should simply accept what the Examiner is offering (i.e., the lowest cost approach) or prepare a response to the Office Action (possible better claim coverage). We need to file a response by January 6, 2002 (month 5 of 6) so I need your input soon.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

Bill Ferron

From: Bill Ferron
Sent: Thursday, December 20, 2001 3:38 PM
To: Mike Donohue
Cc: Management Committee
Subject: RE: Katiesoft Assignment

Mike,

I tried to stop by a couple times to discuss, but it doesn't look like you are in today. These are my preliminary thoughts:

We took the assignment on basis that it was that or nothing. We were about to write off the amount and noticed the client's suggestion that they might assign to us.

At this point, I don't think we want to put any more money into this in term of extension fees for the OA response or issue fees to get the case allowed..

I'm not really in a position to assess claim coverage or value of any patents that issue. If you think you've got a shot at getting some of the \$50k we had to write-off on this matter, we could look at whether it makes sense to spend money on extension fees for the response and issue fees. Absent a plan and recommendation, it seems like we'd be throwing good money after bad, as the saying goes.

-Bill

-----Original Message-----

From: Mike Donohue
Sent: Thursday, December 20, 2001 11:55 AM
To: Bill Ferron
Cc: Gabrielle Collier
Subject: Katiesoft Assignment

Hi Bill --

Yesterday we received the signed assignments from Katiesoft and mailed them to the PTO for recordation. As you may recall, we have received a second Office Action in first application and have yet not received any correspondence in the second application.

I need your guidance on the first application. The Examiner indicated that some claims would be allowable in independent form, but I believe that more claims should be allowable. Since the firm now owns the patent applications, I want to know if I should simply accept what the Examiner is offering (i.e., the lowest cost approach) or prepare a response to the Office Action (possible better claim coverage). We need to file a response by January 6, 2002 (month 5 of 6) so I need your input soon.

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

Bob Iannucci

From: Bob Iannucci
Sent: Thursday, January 31, 2002 11:11 AM
To: Mike Donohue
Subject: RE: Patricia's Phone number

425-703-7899. I'm sure she'll be happy to talk to you.

-----Original Message-----

From: Mike Donohue
Sent: Thursday, January 31, 2002 7:16 AM
To: Bob Iannucci
Subject: Patricia's Phone number

Hi Bob --

Can you give me Patricia's phone number at MS? I want to call her re Katiesoft.

Thanks

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com

Gabrielle Collier

From: Mike Donohue
Sent: Monday, April 29, 2002 2:30 PM
To: 'kluo@microsoft.com'
Cc: Gabrielle Collier
Subject: Revival of Abandoned Application

Hi Kevin --

We do need to file an amendment/response along with the petition to revive an abandoned patent application. The requirements for revival of an unintentionally abandoned application are set forth in 37 CFR 1.137(b). The fee for revival of an unintentionally abandoned application is \$640 for a small entity. Since small entity status was correctly established when the application was filed, that status is maintained until the issue fee is paid. Therefore, Microsoft is entitled to prosecute the application as a small entity.

We would be happy to prepare a response to the Office Action if you wish. Please let me know how you would like us to handle it.

Thanks

Mike Donohue
Seed Intellectual Property Law Group PLLC
701 Fifth Avenue, Suite 6300
Seattle, WA 98104
Tel. (206) 622-4900
Fax. (206) 682-6031
E-mail miked@seedlaw.com



Express Mail No.
EV207744088US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian G. Duperrouzel et al.
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Examiner : T. Hailu
Art Unit : 2173
Docket No. : 520044.401

Commissioner for Patents
Washington, DC 20231

RULE 131 DECLARATION

Assistant Commissioner for Patents:

I, Brian Gerard Duperrouzel, residing at 391 Green Street, San Francisco, California, declare as follows:

I am an original, first, and joint inventor, with Angus McNab Chassels IV, of the subject matter which is claimed and for which a patent is sought for the application identified above.

We were in possession of the invention defined by the claims of the application identified above ("the present application") prior to June 30, 1998. The attached business plan document of Katiesoft, Inc. ("Katiesoft") describes two software products, Katiesoft Picture in Picture and Katiesoft Scroll, that existed at least as of May 1998, which embodied the invention described in the application identified above. In addition, the attached printout dated June 25, 1998 describes some of the inventive features of an existing version of Katiesoft Scroll.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

RECEIVED

NOV 08 2002

States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

11-6-02
Date

Brian Gerard Duperrouzel
Brian Gerard Duperrouzel

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-603

D:\NrPortbl\iManage\BOEA\331068_1.DOC



HELP FOR KATIESOFT SCROLL

Release Candidate 1

This preview version of KatieSoft Scroll does not include a full version of our HELP application.

Basic controls are outlined below.

Additional features not described here may be included in your preview version of KatieSoft Scroll.

For technical support, bug reports, suggestions or questions, please contact KatieSoft:

support@katiesoft.com

Phone: 415 / 648 - 4670

S!Dot:

A highlight of KatieSoft Scroll. This feature allows the user to instantly resize multiple open web sites. Click and drag to resize windows. Double click the yellow dot to send the S!Dot to center.

Drag & Drop:

Hyperlinks can be dragged and dropped between open Scroll windows.

The Basic Controls:

Found at the top of each URL window.



From left to right:

back/forward/stop/refresh/home/search/save favorite/print

Note: Users can open IE favorites and save favorites to their IE list. Additional, faster "ScrollMarks" are described below.

Address Bars:

Each window has an address bar bound to the top. Each address bar has a drop down list of preloaded URLs. These URLs reflect the sites loaded into Configuration Menu/ScrollMarks.

Status Lights / MAX & MIN buttons:

At the top right hand corner of each open URL is a page load status light and buttons that allow the user to instantly maximize or minimize that window.

www.katiesoft.com

Copyright 1998 KatieSoft Inc. All rights reserved.

KatieSoft and Scroll are trademarks of KatieSoft Inc.

All other trademarks are property of their respective owners.

KatieSoft Inc.

May 1998

This document contains confidential and proprietary information, which is the exclusive property of KatieSoft Inc, and should not be disseminated beyond the original recipient.

KatieSoft Inc.
777 Florida Street #302
San Francisco, CA 94110
USA
Tel: 415.648.4670
<http://www.katiesoft.com/>

The information contained herein constitutes a business plan and contemplates neither a sale nor an offer to sell securities.

Control ID: 10019

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Market Analysis and Plan	16
Financial Plan	21

KatieSoft

Company Direction

In May 1997, KatieSoft Inc. ("KSI") was founded to take advantage of the explosive growth of the Internet software market. In 1998, KSI established a unique position in the browser market. As the crush to port new and existing applications, services and products to the Internet continues, the demand for more intelligent browser software grows. KSI is seeking seed financing to leverage its unique products and market position.

Company Overview

Background

For years, people have used the dominant Internet browser offerings from Netscape ("NS") and Microsoft ("MS"). Internet access speed and the technological competence of the average "surfer" have increased rapidly, along with the actual number of Internet users. Prior to the introduction of KSI's Picture in Picture ("PiP") software, Internet users had to launch multiple instances of their browser to view more than one web site at a time. Launching more than one browser is a considerably messy and inefficient process that most Internet users avoid. A growing number of common Internet user scenarios completely favor using multiple instances, from the casual e-shopper comparing goods on the slowest rural connection, to the researcher or broker on the speediest digital line looking to compare data side by side or instantly expand numerous page results.

The constitution of the Internet software industry, as it currently exists, affords KSI the opportunity to define and dominate a software market segment that is basically in its inception. With industry leaders concentrating on ensuring that basic browsing software is on every new computer, and the rapid growth of web resident applications, the potential market for enhanced browsers and improvements grows with each PC and peripheral shipped.

KSI is a registered Delaware corporation.

KSI is located at 777 Florida Street #302, San Francisco, CA, USA, 94110.

As of May 1998, KSI has distributed more than 120,000 copies of software worldwide.

Objectives

Based on KSI's projected revenues for the current fiscal year and KSI's projected annual growth, KSI will be in a suitable position for expansion within six months. As a result of this expansion, KSI expects to establish a prominent market by the end of this six-month time frame.

Capital Requirements

In order to take advantage of the opportunities described in this business plan, and based on sound business assumptions, KSI's first seed financing requirement is for \$ 400,000.

KSI's officers have developed a plan to intensify and accelerate its marketing and sales activities, product development, distribution, and customer service. To implement this plan, KSI will require an estimated total of \$400,000 in financing over the next six months. This capital is allocated in the following manner:

Research and Development	\$72,000	(18%)
Selling, General, and Administrative	\$318,000	(82%)

Please refer to the section titled, "Use of Funds" for a detailed breakdown.

Management Team and Board Members

Brian Duperrouzel, Founder, Chairman and Chief Executive Officer

Duperrouzel's current duties include software design and engineering, fund raising, and business development. Prior to founding KatieSoft, Duperrouzel served as a software developer for FRx Software, Manpower Inc., and the San Jose Arena Management LLP. In addition to the Scroll and PiP programs, Duperrouzel designed and programmed a variety of payroll, invoicing, and accounting applications for the Windows platform. Mr. Duperrouzel has over 15 years experience with personal computers and software. MA Financial Economics, BS Economics, State University of New York at Albany

Angus Chassels, Founder, Board Member and Chief Operating Officer

Chassels' current duties include developing the internal structure and public presence of KatieSoft, product development and fund raising. Prior to founding KatieSoft, Mr. Chassels worked in the executive offices of Uhlich Color Company in Tucson, Arizona. At Uhlich, Mr. Chassels was a key liaison for the export department to customers in over 25 countries. Mr. Chassels was responsible for international shipping and banking documentation including NAFTA compliance and irrevocable L/C's. In addition, Mr. Chassels conceived and developed internal databases and oversaw the generation of internal and confidential financial reports for the CEO and CFO. Chassels' has over 15 years experience with personal computers and software. BA Fine Arts, Bard College

Solomon Wong, Acting Chief Financial Officer

Mr. Wong is currently Chief Financial Officer of Acme Building Maintenance Co. Inc. At Acme, Mr. Wong is responsible for Finance/Accounting, Information System/Communication, Human Resources, and is a member of the strategic planning team. Prior to Acme, Mr. Wong spent more than seven years at Hewlett Packard Company. At HP, Mr. Wong held many positions, from Cost/Pricing Analyst, Financial Planning & Reporting Analyst, Business Support, Marketing and R&D, to Regional Contract Negotiation Management. Other key projects at HP included SAP implementation, HP UNIX release 10.0, Outsource Software distribution center, World Class Manufacturing process, Royalty audit program, and ISO 9000. Mr. Wong received his BS in Finance at San Jose State University and MBA in Marketing at Golden Gate University.

Additionally, our outside management advisors provide tremendous support and creativity for management decisions.

Jim Goddard, Vice President and General Manager, San Jose Arena

Goddard oversees all facets of the Arena's operation, including ticket operations, booking, guest services, food services, engineering and facility technical operations. He is the point person for all Arena discussions between San Jose Arena Management and the city of San Jose. Goddard also implements and follows through with all building improvements, from the design phase to final construction and sign-off.

Allan Schneider, Principal, AMS

Mr. Schneider is responsible for developing, supporting and delivering client relationships and engagements in the financial community for AMS. He has over 30 years of experience in the data processing industry, technical management, product support and development. His expertise spans large systems (IMS and CICS), Internet, client server, retail banking applications, outsourcing, software, systems engineering, product management and development. At IBM, Mr. Schneider managed over 125 Systems Engineers in support of the New York Wall Street and Banking communities. In addition Mr. Schneider has experience in the process, distribution and semi-conductor manufacturing industries.

Legal Representation

KSI realizes the essential value of vigorous intellectual property protection. KSI has retained the services of Preston Gates and Ellis LLP, a prominent Seattle based law firm with offices in San Francisco. PG&E has represented some of the world's foremost technology companies for over 20 years.

Product Strategy: KatieSoft Scroll

What is Scroll? Scroll is KSI's next generation of web browsing software, and will replace the KatieSoft PiP product within two months. Scroll is a cutting edge web browser with revolutionary functionality and unique features. Scroll represents a significant software advance towards an intelligent web based infrastructure.

What does it do? Scroll allows users to surf and manage multiple web pages simultaneously within one container (program). In addition, Scroll features proprietary technologies that give the user unparalleled control over web content. Scroll streamlines information exchange between applications, unlocks a new generation of browser based software and hardware and fosters a new dynamic relationship between web based content and the end user.

Why is it unique? For the vast majority of users, Scroll will represent a completely new and easier way to browse the web. With full traditional functionality and Scroll's advanced features, users will be able to take advantage of the Internet in new ways by eliminating technology bottlenecks, and increasing overall efficiency. Scroll uses proprietary technology that completely simplifies the nightmarish task of managing a desktop full of browsers.

Why is it better to use Scroll?

- Scroll is the only software that concretely unifies a diverse range of web based applications and information sources, creating in effect, a web based OS.
- The best way to browse is simultaneously, it saves time and money and it makes the web more exciting to use. *Some Scroll usage scenarios follow this section.*
- Scroll saves valuable screen "real estate". Scroll has significantly increased functionality, yet uses much less screen area for operator input than either MS or NS.
- Scroll is ergonomically superior, with layout and GUI innovations based on extensive customer feedback and beta testers involved in the Internet in many job capacities and functions.
- Users can intuitively resize the web content they are viewing to best suit individual sites.
- Supports all cutting edge technologies and plugins such as ActiveX, Java, Shockwave, Realplayer etc., and modern web standards such as Cascading Style Sheets and DHTML.
- Allows the user to rapidly tunnel through pages and hyperlinks without losing their initial focus.
- Scroll uses 10-40 percent less system memory than MS/NS when controlling multiple sites.

- The movement to web based (Inter/intra/extranet) services and e-commerce in corporate and consumer culture is inexorable and massive, and requires more intelligent browsing software than is currently available.
- Scroll is extremely stable and highly integrated into Win95, Win98, WinNT

Unique Features:

- View and control 1-4 web sites simultaneously.
- S!dot technology. One of the highlights of Scroll. Users can grab a center button and resize each open window in real time, to the exact dimensions of web content. Double clicking the S!dot automatically re-centers it.
- Instantly maximize and minimize each site.
- Each Scroll window is topped by traditional browser controls.
- Keyboard shortcuts to all primary Scroll controls
- Hyperlinks can be dragged and dropped between Scroll windows.
- Status lights indicate page load.
- Double click on S!dot to auto re-center.
- Auto-refresh 1-4 sites based on user set up.
- Control all open pages with buttons for: All Stop, All Refresh, All Home, All Search
- Scroll has universal access to extant favorites and offers ScrollMarks, a fast, efficient marking system that pre-loads favorite URLs into the address bar in each Scroll window.
- One click access to Internet Options including temp file controls, mail client selection, content ratings and security/cookies.
- ScrollShow: Use ScrollMarks or user programmed URLs to view sites in a slide show fashion, from local or web based pages.
- Scroll security. Scroll has the same security integrity and options as MS/NS. Scroll is perfectly secure for online credit transactions and current online trading specifications.

Future versions of Scroll:

Versions of Scroll in development include the following features:

- Thread technology: open and close multiple threads within the application, saving bandwidth and system memory usage.
- 128bit encryption: supplied by Microsoft. US & CANADA ONLY
- Optional email client: custom fit access for an email client or web based provider.
- Multiple html rendering engines: view pages through the "eyes" of MS or NS in any combination.

Scroll usage scenarios/applications:

Everything from web based email services, groceries, bookstores and brokers compete for the attention of web users with voracious appetites for technology, information and commerce. Skilled experts have been replaced by skilled masses capable of dealing with "more web" in a vast variety of scenarios and applications. The majority of users remain unable to exploit the opportunities and efficiencies of the web or their Intranet due to the simplicity and limitations of their browser. Scroll is much more sophisticated than the leading offerings and sacrifices none of the functionality or integrity users are accustomed to.

Multiple instances:

MS/NS: User launches 2-4 instances of their browser. Each browser must be resized on the desktop. In addition, every browser instance opened will navigate to the same home page, requiring the user to re-point each browser individually to new start up pages or content. (Netscape cannot otherwise handle simultaneous multiple page requests.)

Resizing of each browser is limited in scope and time consuming to accomplish. The OS taskbar fills to reflect each new instance. **Time required:** Connecting to Internet and 3-10 minutes depending on number of sessions.

Scroll: User clicks on Scroll Icon. Scroll opens and automatically opens 4 home sites, showing 1-4 on screen as designated by the user. A single control instantly resizes all sites as required. Hyperlinks can be dragged and dropped. The OS taskbar shows 1 application. **Time required:** Connecting to the Internet.

Web Developers.

- Preview web pages in development and live web pages simultaneously.
- Scroll views pages identically to MS or NS.
- Auto refresh pages from PC or the web.
- Tunnel through pages without losing initial page focus
- Preview web banners and graphics outside of pages in development
- Test CGI scripting without losing initial page focus

Research/Searches

- Expand query results to other pages by dragging hyperlinks.
- Tunnel through sites while maintaining original sites.
- Compare data easily

E-commerce

- Allows user to have stock tickers, and multiple windows open simultaneously.
- Saves money on additional PC's and telephony access.
- 128 bit encryption is available for Scroll.
- Scroll is the perfect tool for online shopping.

Basic Corporate Usage:

- Easily Installed and Supported.
- Requires minimal training.
- Saves labor time connecting to the Internet and organizing multiple browsers and using multiple browsers. (The average corporate user who uses multiple instances can save 18-60 hours a year labor. The researcher/trader/multimedia/pr corporate user who uses multiple instances can save 45-240 hours a year.)
- Optimizes web usage, which reduces bandwidth load, connection time and charges.
- Allows remote employees to easily compare and manage information simultaneously
- Maximizes the usability of new browser based hardware, from office security cameras to HP printers.
- Speeds in house web/network development and maintenance.
- Adds value to any extant browser based Intra/extranet.
- Adds value to workgroups, Internet calendar and scheduling applications.
- Creates the ability to do comprehensive web based presentations (on and offline materials)
- Adds a new dimension of interactivity and accessibility to online training.

Scroll: Product Background

Test marketing was conducted through the successful release of KatieSoft's Picture in Picture products from 9/1/97-3/15/98.

Picture in Picture

KSI currently offers one product: Picture in Picture ("PiP") for Microsoft's Internet Explorer. PiP is a software program with unique features and technology. As of May 1998, KSI's product has been distributed worldwide to more than 120,000 PC users/owners.

On February 15, 1998 PiP 2.5 was released as a premiere on CNET's DOWNLOAD.COM. Sponsors for this product launch included: CNET, CBS Sportsline and MSNBC

On February 26, 1998 PiP 2.5 (for IE 3.x) was released as a 48 hour exclusive on the Launch Pad at HOTFILES.COM, a Ziff-Davis site. KSI received extensive feature coverage. Sponsors for this product launch included: CBS Sportsline and MSNBC.

PiP has already received very favorable initial recognition in the marketplace and from editorial reviews. Some of the recent reviews include:

Microsoft Corporation - March 5, 1998 - "Picture in Picture is a great example of cutting edge component based technology," adds Tod Nielsen, general manager of Developer Relations for Microsoft. "PiP leverages the proven strength of Internet Explorer's HTML rendering engine, and enables advanced customization for serious web users."

5 out of 5 Stars—ZDNet (A Ziff-Davis Company) Both versions of KatieSoft's PiP product received 5 stars, the highest rating. Ziff-Davis is the world's leading publisher of technical magazines. Some of their print titles include:

- PC Magazine
- YAHOO! Internet Life

Editors Pick—DOWNLOAD.COM (CNET) CNET's DOWNLOAD.COM is the world's most popular web site for downloading software. In addition to DOWNLOAD.COM, PiP has been featured on CNET's other sites. They include:

- SHAREWARE.COM
- BROWSERS.COM
- ACTIVEX.COM

Cool Tool of the Day (Andover Network) Cool Tool is one of the most popular software review sites on the web. Some of the quotes included: "We were ecstatic.", "Our prayers were answered! ". Other Andover Sites:

- The Andover News Network
- Dave Central

Five out of Five – Practical Internet Magazine (Paragon Press, UK) Paragon Publishing is the UK's largest independent publisher of video games magazines and the first to publish a newsstand Internet title. Paragon publications include:

- Practical Internet
- Windows Guide

Hot File of the Day 12/24/97 – MSNBC (Microsoft, NBC)

For the latest in KatieSoft press: <http://www.katiesoft.com/pressroom.htm>

Some pre-emptive answers to common product questions:

How does bandwidth affect KatieSoft products?

Bandwidth is the ultimate constraint on any web surfing. It is KSI's belief that the Internet and access to it will continue to be pervasive parts of everyday life. There is an obvious and intense race to produce broader and cheaper bandwidth through copper, fiber, cable and space itself. As the overall web using populace evolves towards access speeds approaching those once reserved (by economics) for major corporations, Scroll will gain significant additional value.

How does PC power affect the performance of KatieSoft products?

All software products are limited as to how they are displayed and function according to the power and capabilities of the processor, graphics card, and monitor. PC market data clearly indicates that more powerful machines and upgrades are available at increasingly cheaper prices. Although Scroll can run on any modern PC (Windows compliant), as PCs become more powerful, Scroll becomes more efficient, and therefore, more valuable.

Why a maximum of 4 sites/pages in Scroll?

Based on our market research, of those users controlling more than 1 web site at a time, very few ever exceeded 4 sites open simultaneously. Four sites fit logically in quarters on the screen. In addition, the system and bandwidth resources required to have more than 6 browsers open exceeds the comfortable limits of most PCs. Launching 2 sessions of Scroll would remain significantly more efficient than launching 8 instances of MS or NS, which would be virtually unmanageable and of highly questionable efficacy.

Is Scroll some sort of browser accelerator?

No. Browser accelerators are "crutch" products that attempt to speed up the web browsing process by pre-caching every available link from a web page on your PC. Browser accelerators are bandwidth hogs that slow down net access and burden your PC. Browser accelerators have none of the features of Scroll.

Pricing Analysis

Retail Sales

KSI plans to price its retail version of Scroll between \$13.95 - \$19.95. This price level is 40% lower than most web browsing tools and utilities. Although KSI anticipates that most of Scroll's retail distribution will come from KSI's web site, KSI plans to manufacture Scroll on compact disc for distribution in major software retail chains. The compact disc version of Scroll will be priced between \$19.95 - \$29.95. These pricing levels should cover manufacturing and distribution costs.

OEM Pricing

KSI has initially priced the standard edition of Scroll to OEM's at the price of \$0.50 per copy. This price should be attractive to OEM's who are looking to include quality software titles as a value add to potential video monitor, display card, modem and computer buyers. Certain OEM deals may provide the OEM with rights to Scroll's start up content.

Corporate Sales

KSI will give corporations pricing discounts for Scroll if purchased in large volumes. Discount pricing will be negotiated for each individual customer.

Advertising Pricing

A significant portion of Scroll's revenue model will be based on the sale of home page real estate. Most Internet content providers ("ICP") rely on banner advertisement, a relatively cheap yet inefficient way to transfer users to their sites. KSI's pricing analysis is based on these banner advertisement rates.

Standard Banner Advertisement Pricing

Banner Size in Pixels 468x60
Standard Banner Rate: \$10 - \$30 per 1000 banners
Average Click Through Rate: .5% - 3%
Cost Per Transfer: \$0.5 to \$1.50

Home Page Pricing

Top Left Window \$300 per 1000 Site Deliveries or \$0.30 per Home Page
Top Right Window \$250 per 1000 Site Deliveries or \$0.25 per Home Page
Bottom Left Window \$200 per 1000 Site Deliveries or \$0.20 per Home Page
Bottom Right Window \$150 per 1000 Site Deliveries or \$0.15 per Home Page

Total Revenue per 1000 Scroll Browsers: \$900

Since Scroll displays the ICP's site, and not just an advertisement for the site, the ICP's price is subsidized if they generate their advertisement revenue from page views. Unlike banner advertisement, which has a finite inventory, Scroll will continue to display the ICP's site, as long as the user does not change their configuration settings. This causes the ICP's real cost per site impression to fall each time the browser is opened. The ICP also saves money because they do not have to pay a creative for the banner design.

In addition to the home page real estate, there are many other less valuable bookmarks that can be sold to Internet content providers. For the purpose of this business plan we are assuming that home page real estate will be the only inventory sold.

Research and Development

Scroll is currently being beta tested by KSI's customer base. Aside from some minor aesthetic changes, KSI anticipates a July 8, 1998 release date for both the Microsoft and Netscape Internet platforms.

In response to the demonstrated needs of KSI's market, new products being developed include enhanced versions of KatieSoft Scroll and new products to streamline the simultaneous management of multiple desktop applications for the Windows platform. These products are based on the relative user ergonomics of our Scroll product. (Project: Unified Desktop)

KSI anticipates that Scroll 2.0 and Project Unified Desktop will be in its beta cycle by January 1999.

KSI actively gathers preference data from its web site, user base, beta testers and external research mechanisms. Most recently, KatieSoft conducted an online survey on video card settings in conjunction with the Ziff-Davis web site Hotfiles.com.

With the funding considered, KSI expects to reap the immediate R&D benefits of additional staff, PCs and testing capabilities.

Intellectual Property

KSI has retained the services of Preston Gates and Ellis LLP., to handle all of its Intellectual Property issues. KSI has filed for federal trademark protection for the name, "KatieSoft", in addition to the design of KSI's logo, and the Scroll product name. All of KSI's programs are protected by United States and International copyright laws. KSI is vigorously investigating patent protection for its proprietary technologies.

Production and Delivery

The key components of KSI's production process are programmers, personal computers (PCs) and software. To handle increased development requirements and additional planned staff, KSI's current PCs need upgrading and additional PCs purchased.

As of May 1998, KSI's sole product delivery vehicle has been the Internet. This has the distinct advantage of instantly placing KSI in a global marketplace that never closes. KSI has agreements with several major publishers, allowing them to distribute the shareware version of KSI's PiP product on compact discs that accompany their magazines and journals in 1998.

KatieSoft is exploring the costs of burning Scroll onto compact discs (2,500-10,000 units) for order fulfillment, trade show sales, retail sales and complimentary press kits.

Market Analysis

Market Definition

In addition to the Internet software market, KSI anticipates generating significant revenue from the online advertising market. This dual revenue model of software sales and advertising sales makes KSI's market unique. The following market definitions include the Internet software market and the online advertising market:

According to International Data Corp., U.S. Internet Revenue in 1997 reached \$8.5B and is expected to grow to \$155B by the year 2001. Dataquest Inc., a San Jose based research firm, expects the Internet software and services market will reach \$32.2 billion in revenue by the year 2001. Piper Jaffray Inc., reports that 1997 revenue from US financial services software (Internet Banking Software, Online Trading Software, Financial Management Software) reached \$1.2B and expects to reach \$4.4B in 2001.

The Internet Advertising Bureau via its industry-leading "Advertising Revenue Reporting Program" announced on April 6, 1998 that \$906.5 million was spent on online advertising in 1997. According to the report, conducted by Coopers & Lybrand, advertising revenues continued their upward trend, with fourth-quarter revenue totaling 48 percent over the third quarter. The 1997 fourth quarter revenue figure marks, the eighth record-setting quarter in a row. Total revenues in the first quarter of 1997 were \$129.5 million, the second quarter posted \$214.4 million, with the third quarter reporting revenue of \$227.1 million.

Forrester Research reported in April 1998 that by 2002, online advertising direct market revenues will exceed \$8B, with more than 70% of ad agencies spending more than \$1M a year.

Marketing Plan

Retail Sales and Corporate Sales

KSI anticipates retail revenue of \$1.3M for the year ending July 30, 1999. The typical customer for KSI's product is an average Internet user with a modern personal computer. KSI's customer base is composed of Internet users comfortable enough to download and install software on their machine.

KSI's corporate target market includes the more than 10 millions active users of Microsoft Internet Explorer 4 and Netscape Communicator 4. These users typically have higher access speeds, modern PCs and monitors, and are the most likely to be aware of the inherent value of browsing simultaneously.

Responses from customers indicate that KSI's product is enjoying an excellent reputation and KSI fully expects this trend to continue. Inquiries from prospective customers suggest that there is considerable demand for it. Relationships with leading software distribution sites on the Internet substantiate the fitness of KSI for considerable growth and accomplishment in KSI's market segment.

KSI's marketing strategy is to enhance, promote and support the fact that KSI's product is the most efficient and integrated browser available for the Windows platform.

Special Market Characteristics

The Internet software market commonly uses a "try before you buy" sales strategy. This strategy effectively communicates the possibilities and advantages of KSI's product, and is useful in reaching new customers and press. KSI has used this market characteristic to KSI's advantage, and has integrated it into KSI's Pricing and Profitability analysis.

Domain Demographics of PiP Users

34% Network (.net addresses)
24% US Commercial (.com addresses)
17% Unknown
4% Brazil
4% Canada
2% US Educational
15% from 25 Countries with 1% or less

Registered Users Demographics

88% Male
12% Female

KSI's retail customers use PiP for the following uses:

- General web surfing and Internet/intranet usage.
- Research activities including daily sweeps and site comparisons.
- Online securities trading and research
- Web development and maintenance

Internet Content Provider's ("ICP's")

KSI anticipates advertising revenue of \$2 M for the year ending July 30, 1999. Scroll will be the first browser introduced to the Internet that uses third party web sites as its default content. By selling Scroll's home page real estate, ICP's are given a new medium to advertise their content.

KSI plans to target ICP's that use banner advertisement as a means to attract Internet users to their site. Typically, these ICP's offer goods or services from their Internet site and advertise on the major search engines, ISP's, and News sites.

OEM's

KSI expects to generate \$3M in revenue from OEM's in the year ending July 30, 1999. Scroll will be attractive to OEM's because it will help them reclaim the desktop from their current software partners. Because OEM's can not currently control the start up content from the common browser offerings, they are locked out of making content arrangements with the ICP's. By allowing the OEM to choose their own ICP partners, they can share the same revenue streams of highly valued companies like Yahoo!.

Competition

Currently, there are no companies that publish software that mirrors the functionality of KSI's products. The companies that produce Internet browsing software (Microsoft, Netscape, AOL, Sun etc.) all configure their software to default to their company's web sites, and not to the content of a third party as KSI plans to do. However, since KSI will be participating in dual markets, software and online advertising, KSI views the market leaders in these respective markets as its chief competitors.

Software

Microsoft, Netscape, AOL, and Sun are KSI's biggest potential software competitors. Although these companies have not demonstrated intentions to compete with KSI's Scroll product, it must be noted that market entry by these companies could significantly limit KSI's software market. Even if these companies added similar functionality to their browsing products, it is unlikely that their browsers would feature third party start page content.

Opera Browser, made by Opera Software, is a small Norwegian based software company that produces Internet browsing software. Currently, Opera does not support the Java programming language, ActiveX, or CSS, and is more of a competitor to the general browser market held by Microsoft and Netscape. Unlike Scroll, which leverages the Internet technologies developed by Microsoft and Netscape, Opera's product is based on their own proprietary technology.

Advertising Competitors

KSI views the leading online publishers as its chief competitors for advertising revenue. These publishers (Yahoo, Netscape, Infoseek, CNET, Lycos, ZDNet, Excite, CMPnet, MSN, etc.) main strengths are in its large audiences and its free content. Some of these companies distribute customized versions of Microsoft's Internet Explorer in an attempt to drive home page traffic back to their site. With the exception of Netscape and MSN, none of these companies produce their own web browsing software with unique functionality. KSI plans to target the aforementioned ICP's advertisers as its initial clients.

Limitations

The chief limitations that KSI faces are an inability to get new products to market quickly, lack of marketing and public relations exposure, and insufficient staff. Therefore, the primary limitation on KSI is a lack of capital and cash flow.

Distribution Channels

KSI's marketing strategy incorporates plans to sell KSI's product through several channels. KSI's primary distribution channel is the Internet. KSI's marketing strategy includes Original Equipment Manufacturers (OEMs) and retail distribution.

KSI's mix of distribution channels will give us the advantage of saturating a market that may purchase through one or more channels, but is influenced primarily through the same public relations effort.

A partial list of KSI's major current distributors includes:

DOWNLOAD.COM (CNET)

ZDNet & HOTFILES.COM (Ziff-Davis Publishing)

Advertising and Promotion

KSI's overall advertising and promotional objectives are to position KSI as the leader in the market. It must be noted that the success of PiP came with nothing but critical editorial acclaim for advertising. KSI is currently testing banner advertising through barter agreements with MSNBC and CBS Sportsline. KSI looks forward to being able to utilize proven advertising routes to heighten consumer awareness of KSI's products.

KSI will develop an advertising campaign built around Scrolls' innovations, performance and ease of integration. Additionally, KSI will develop a consistent reach and frequency throughout the year. In addition to standard advertising practices, KSI will gain considerable recognition through press releases, shareware distribution, and participation on critical editorial product reviews and evaluations.

Public Relations

During 1998, KSI will continue to concentrate on proactive public relations, with an enlarged focus on sustaining KSI's established relationships with editors and software web sites. KSI plans to retain a public relations firm that specializes in working with start up companies. KSI's first PR projects are to build awareness of our company and successfully introduce our Scroll product to critical channels.

KSI uses Business Wire for press and news release distribution. As a result of KSI's press release on March 7, 1998 the following news services picked up KSI's release:

CNN Custom News
Yahoo Business Customized News
PC WORLD Real Audio News
Los Angeles Times

Financial Plan

Assumptions

KatieSoft's capital stock consists of 15,000,000 shares of common stock and 10,000,000 shares of preferred stock. Of the 15,000,000 common shares there are 6,350,378 outstanding, and there are no preferred shares outstanding. The following breakdown outlines KSI's current outstanding shares:

Brian Duperrouzel, CEO	3,062,500 (48.2%)
Angus Chassels, COO	2,044,000 (32.1%)
Solomon Wong, Acting CFO	100,756 (1.5%)
Non-Issued Pool for Employee Incentive	995,844 (15.6%)
Other Investors	147,278 (2.3%)
Total Outstanding	6,350,378 (100%)

KSI's current market valuation is \$5,042,200 and price per share is valued at \$0.794.

New Investment

In exchange for KSI's capital requirement of \$400,000, KSI plans to issue 503,788 shares of common stock. The following breakdown outlines KSI's post investment capital structure:

Brian Duperrouzel, Chairman and CEO	3,062,500 (44.6%)
Angus Chassels, Secretary and COO	2,044,000 (29.8%)
Solomon Wong, Acting CFO	100,756 (1.4%)
Pool for Employee Incentive	995,844 (14.5%)
Other Investors	147,278 (2.1%)
New Investor	503,788 (7.3%)
Total Outstanding	6,854,166 (100%)

Post Investment Valuation	\$5,442,200
Post Investment Value per Share	\$0.794

Future Investments and Exit Strategy

KSI anticipates that by the end of the six month period, that this business plan contemplates, KSI's market valuation will be in the range of US \$ 12,000,000, or \$1.75 a share. At that time, KSI will elect to prepare itself for a public offering by seeking partnership with a highly respected venture capital firm. KSI's management also views acquisition as a viable exit strategy for its shareholders.

Current Financial Status

Current Balance Sheet

(As of 5/13/98)

Cash	\$50,000
Equipment	\$5,000
Software	\$3,000
Total Assets	\$58,000
Total Liabilities	\$7,000
Shareholder Equity	\$51,000

Current Income Statement

(For the 3 Month Period ending 4/31/98)

Revenue	\$8,000
Expenses	\$22,000
Net Income	(\$14,000)

KSI's main source of revenue has been generated from consulting services. KSI has no future plans to expand its consulting services.

In December 1997, KSI started selling its PiP software as shareware. This enabled KSI to capture revenue from users who wanted additional features and support. By releasing PiP as shareware, KSI was able to subsidize its R&D budget by allowing its non-paying user base to test software and suggest features. Since Scroll will fully disable itself after the evaluation period, KSI anticipates a greater percentage of users to purchase the software.

Use of Funds

Although KSI expects to reach profitability within the first three months of post investment operation, KSI's officers have created a six month plan to account for any timing variances associated with KSI's revenue streams. With a \$60,000 cash burn per month, 4,000 units of Scroll priced at \$15.00 would represent KSI's break-even point. If KSI can not achieve break-even revenues by the end of this six month time frame, future investment would be needed to continue operation.

The following numbers outline KSI's anticipated expenses over the six month period that this business plan contemplates:

Expenses

Administration	\$	103,200	26%
Research and Development	\$	72,000	18%
Public Relations	\$	60,000	15%
Advertising	\$	54,000	14%
Legal	\$	30,000	8%
Trade Shows	\$	20,000	5%
Office	\$	18,000	5%
Equipment	\$	12,000	3%
Connectivity to Internet	\$	9,600	2%
Travel & Entertainment	\$	9,000	2%
Telecom	\$	6,000	2%
Furniture	\$	5,000	1%
Utilities	\$	1,200	0%
	\$	-	
Total Expense	\$	400,000	100%

Income Statement Projection
For One Year Ending July 30, 1999

Revenue

Retail Sales of Scroll (1)	\$ 1,300,000 (13%)
Corporate Sales (2)	\$ 2,500,000 (27%)
OEM Sales (3)	\$ 3,000,000 (44%)
Advertising Sales (4)	\$ 2,000,000 (22%)

Total Revenue ***\$ 8,800,000***

Expenses

Research and Development	\$1,430,000 (25%)
Selling, General and Administrative	\$4,290,000 (75%)

Total Expense ***\$5,720,000***

Net Income before Provision for Taxes \$3,080,000 (35%)

Net Income after Taxes \$2,156,000

Fully Diluted Income per Share \$0.31

Number of Shares used in Calculation 6,854,166

Market Capitalization (5) \$43,120,000

Market Value per Share \$6.29

- (1) Assumes 82,000 copies of Scroll at \$15.95.
- (2) Assumes 500,000 corporate licenses sold at an average of \$5.00 per license.
- (3) Assumes 6,000,000 units at \$0.50 a license.
- (4) Assumes 10,000,000 page view deliveries at an average cost of \$0.20 per view.
- (5) Assumes a P/E ratio of 20.

The aforementioned revenue and expense projections assume a venture capital financing round of \$3-\$4 M that would occur between months 4-6.

Conclusion

KSI's most valuable assets are its developed products. At this time, capital is needed to bring Scroll to market, fortify KSI's infrastructure and management team, and to further leverage KSI's leading market position in the enhanced browser market.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian G. Duperrouzel et al.
Application No. : 09/124,468
Filed : July 28, 1998
For : WEB PAGE DISPLAY SYSTEM

Examiner : T. Hailu
Art Unit : 2173
Docket No. : 520044.401

Commissioner for Patents
Washington, DC 20231

RULE 131 DECLARATION

Assistant Commissioner for Patents:

I, Angus McNab Chassels IV, currently residing at 790 Church Street #306, San Francisco, California 94114, declare as follows:

I am an original, first, and joint inventor, with Brian Gerard Duperrouzel, of the subject matter which is claimed and for which a patent is sought for the application identified above.

We were in possession of the invention defined by the claims of the application identified above ("the present application") prior to June 30, 1998. The attached business plan document of Katiesoft, Inc. ("Katiesoft") describes two software products, Katiesoft Picture in Picture and Katiesoft Scroll, that existed at least as of May 1998, which embodied the invention described in the application identified above. In addition, the attached printout dated June 25, 1998 describes some of the inventive features of an existing version of Katiesoft Scroll.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

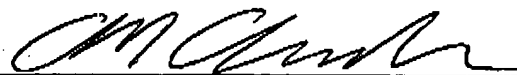
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States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

11/4/02

Date



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11-07-02

EXPRESS MAIL NO. EV207744088US

PTO/SB/64 (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED
UNINTENTIONALLY UNDER 37 CFR 1.137(b)**Docket Number (Optional)
520044.401

First named inventor: Brian Gerard Duperrouzel

Application No.: 09/124,468

Art Unit: 2173

Filed: July 28, 1998

Examiner: Tadesse Hailu

Title: WEB PAGE DISPLAY SYSTEM

Attention: Office of Petitions
Commissioner for Patents
Box DAC
Washington, D.C. 20231NOTE: If information or assistance is needed in completing this form, please contact
Petitions Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee -- required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

☒ Small entity - fee **\$640** (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.☐ Other than small entity - fee \$_____ (37 CFR 1.17(m))

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in
the form of **Response** (identify type of reply):

- ☐ has been filed previously on _____.
- ☒ is enclosed herewith.

B. The issue fee of \$

- ☐ has been paid previously on _____.
- ☐ is enclosed herewith.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

D:\NrPortbl\l\Manage\LAURAT\330937_1.DOC

11/08/2002 AWONDAF1 00000079 09124468

01 FC:2453

640.00 OP

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NOV 08 2002

Petitioner Microsoft - EX. 1012, p. 218
OFFICE OF PETITIONS

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3. Terminal disclaimer with disclaimer fee

☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$_____ for a small entity or \$_____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT. The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D))].

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

November 6, 2002

Date



Signature

Robert Iannucci

Typed or printed name



Customer Number/Bar Code Label

00500

PATENT TRADEMARK OFFICE

Enclosures: ☒ Fee Payment

☒ Reply

☐ Terminal Disclaimer Form

☐ Additional sheets containing statements establishing unintentional delay

☒ Other: Declaration of Robert Iannucci w/Attachments A-I.

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

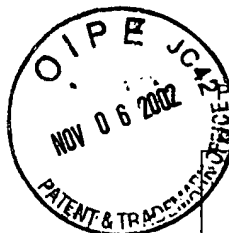
☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Box DAC, Washington, D.C. 20231.

☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 308-6916.

Date

Signature

Typed or printed name
of person signing certificate



EXPRESS MAIL NO. EV207744088US

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**(To be used for all correspondence
after initial filing)

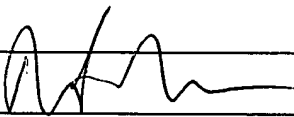
Application Number	09/124,468
Filing Date	July 28, 1998
First Named Inventor	Brian Gerard Duperrouzel
Group Art Unit	2173
Examiner Name	Tadesse Hailu
Attorney Docket No.	520044.401

ENCLOSURES (check all that apply)

☒ Fee Transmittal Form ☒ Fee Attached ☒ Amendment/Response ☐ After Final ☒ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement; Form PTO-1449 ☐ Cited References ☐ Certified Copy of Priority Document(s) ☐ Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 ☐ Response to Missing Parts/Incomplete Application	☐ Assignment Papers (for an Application) ☐ Drawing(s) ☐ Request for Corrected Filing Receipt ☐ Licensing-related Papers ☒ Petition to Revive ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation, Change of Correspondence Address ☐ Declaration ☐ Statement under 37 CFR 3.73(b) ☐ Terminal Disclaimer ☐ Small Entity Statement ☐ Request for Refund	☐ CD(s), Number of CD(s) _____ ☐ After Allowance Communication to Group ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☒ Return Receipt Postcard ☒ Additional Enclosure(s) (please identify below): <u>Declaration of Robert Iannucci</u> <u>In Support of Petition to Revive</u> <u>w/Attachments A-I; Rule 131</u> <u>Declaration of Brian Gerard</u> <u>Duperrouzel w/attach.; Rule 131</u> <u>Declaration of Angus McNab</u> <u>Chassels IV w/attach.</u>

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Robert Iannucci - Reg. No. 33,514	 00500 PATENT TRADEMARK OFFICE
Signature		
Date	November 6, 2002	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on the date specified below.		
Typed or printed name	Sent Via Express Mail	
Signature		Date:



EXPRESS MAIL NO. EV207744088US

PTO/SB/17 (11-01)
Approved for use through 10/31/2002. OMB 0651-0032**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **640.00****Complete if Known**

Application Number	09/124,468
Filing Date	July 28, 1998
First Named Inventor	Brian Gerard Duperrouzel
Examiner Name	Tadesse Hailu
Group Art Unit	2173
Attorney Docket No.	520044.401

METHOD OF PAYMENT☒ Payment Enclosed:
☒ Check ☐ Credit card ☐ Money Order ☐ Other☐ Deposit Account:Deposit
Account
Number

19-1090

Deposit
Account
NameSeed Intellectual Property Law Group
PLLC

The Commissioner is authorized to (check all that apply)

- ☐ Charge fee(s) indicated below ☒ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any deficiencies

to the above-identified deposit account.

☐ Applicant claims small entity status. See 37 CFR 1.27.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	740	2001	370	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	510	2003	255	Plant filing fee	
1004	740	2004	370	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0

2. EXTRA CLAIM FEES

Total Claims		Extra Claims	Fee from below	Fee Paid
35	-35** =	0		0
Independent Claims				
6	-6** =	0		0
Multiple Dependent				

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2520	1812	2520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension for reply within second month	
1253	920	2253	460	Extension for reply within third month	
1254	1440	2254	720	Extension for reply within fourth month	
1255	1960	2255	980	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1510	1451	1510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1280	1453	640	Petition to revive - unintentional	640
1501	1280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$) 640					

SUBMITTED BY

Name (Print/Type)	Robert Iannucci	Registration No. Attorney/Agent	33,514
Firm Name/Address			
Signature		Date	November 6, 2002



00500

PATENT TRADEMARK OFFICE



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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Paper No. 13

Seed Intellectual Property Law Group PLLC
701 Fifth Ave.
Suite 6300
Seattle, WA 98104-7092

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DEC 12 2002

OFFICE OF PETITIONS

In re Application of
Brian Gerard Duperrouzel, et al.
Application No. 09/124,468
Filed: July 28, 1998
Attorney Docket No. 520044.401

ON PETITION

This is a decision on the petition under 37 CFR 1.137(b), filed November 6, 2002, to revive the above-identified application.

The petition is **GRANTED**.

The above-identified application became abandoned for failure to reply in a timely manner to the non-final Office action mailed August 6, 2001, which set a shortened statutory period for reply of three (3) months. No extensions of time under the provisions of 37 CFR 1.136(a) were obtained. Accordingly, the application became abandoned on November 7, 2001.

Telephone inquiries concerning this decision should be directed to the undersigned at (703) 306-5594.

The application file is being forwarded to Technology Center 2100, Art Unit 2173 for further processing.

Retta Williams

Retta Williams
Petitions Examiner
Office of Petitions
Office of the Deputy Commissioner
for Patent Examination Policy



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

500 7590 03/27/2003

SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVE
SUITE 6300
SEATTLE, WA 98104-7092

EXAMINER

NGUYEN, CAO H

ART UNIT	PAPER NUMBER

2173

DATE MAILED: 03/27/2003

114

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

Office Action Summary

Application No.
09/124,468

Applicant(s)
Duperrouzel et al.

Examiner
Cao (Kevin) Nguyen

Art Unit
2173



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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Nov 6, 2002
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final. 2nd
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) _____
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152) _____
- 6) ☐ Other: _____

Art Unit: 2173

DETAILED ACTION

Claim Rejections - 35 USC § 102

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

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Helfman (US Patent No. 6,119,135).

Regarding claim 1, Helfman discloses a display system for displaying web pages accessible via a network, the display system comprising: a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites (see Abstract); a display having display

Art Unit: 2173

controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer (see col. 3, lines 5-24); and a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas (see col. 3, lines 25-65).

Regarding claim 2, Helfman discloses wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages (see figure 1).

Regarding claims 3 and 4, Helfman discloses wherein the computer system includes a modem for accessing the network; and wherein the computer system includes a network controller for accessing the network (see figure 3).

Regarding claim 5, Helfman discloses wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites (see col. 4, lines 6-38).

Regarding claims 6-7, Helfman discloses wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas; and

Art Unit: 2173

wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites (see col. 5, lines 1-44).

As claims 8-16 are analyzed as previously discussed with respect to claims 1-7 above.

Regarding claims 17, Helfman discloses wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator (see col. 6, lines 5-67).

As claims 18-23 are analyzed as previously discussed with respect to claims 1-7 and 17 above.

Regarding claims 24 and 25, Helfman teaches a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites; a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer; a first software program configured to provide instructions to send the web page requests and to receive web pages with the computer system using only one instance of the software program; and a second software program configured to display the web pages in the nonoverlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas (see col. 7, lines 6-61).

Art Unit: 2173

As claims 26-30 are analyzed as previously discussed with respect to claims 1-7, 17 and 24-25 above.

Regarding claims 31-35, Helfman discloses further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area (see col. 8, lines 5-64 and figures 7-9).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (see PTO-892).

4. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 746-7239 may be used for formal communications or (703) 746-7240 for informal or draft communications.

Art Unit: 2173

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA. Sixth Floor (Receptionist).

Inquires

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (703) 305-3972. The examiner can normally be reached on Monday-Friday from 8:30 am to 6:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Cabeca, can be reached on (703) 308-3116. The fax number for this group is (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.


CAO (KEVIN) NGUYEN
PRIMARY EXAMINER

March 9, 2003

Notice of References CitedApplication/Control No.
09/124,468Applicant(s)/Patent Under Reexam
Duperrouzel et al.Examiner
Cao (Kevin) NguyenArt Unit
2173

Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	6,119,135	09/00	Helfman	707	513
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	
V	
W	
X	

^{*} A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).¹ Dates in MM-YYYY format are publication dates.² Classifications may be U.S. or foreign.



AW/len 4/17/03 3382-65527 MS303295.1

2173

PATENT

Attorney Reference Number 3382-65527

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Art Unit: 2173

Application No. 09/124,468

CERTIFICATE OF MAILING

Filed: July 28, 1998

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on April 17, 2003, as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, WASHINGTON D.C. 20231.

For: WEB PAGE DISPLAY SYSTEM

Examiner: C. Nguyen

Date: April 17, 2003

Attorney for Applicant

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APR 24 2003

TRANSMITTAL LETTER

COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Technology Center 2100

Enclosed for filing in the application referenced above are the following:



Power of Attorney by Assignee

Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By
Stephen A. Wight
Registration No. 37,759

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Client (303925.1)
Docketing



#15
4-25-03
B. Hilliard

SAO/lcm 04/10/03 3382-65527 MS303295.1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Art Unit: 2173

Application No. 09/124,468

Filed: July 28, 1998

For: WEB PAGE DISPLAY SYSTEM

Examiner:

RECEIVED

APR 24 2003

Technology Center 2100

POWER OF ATTORNEY BY ASSIGNEE
(REVOCATION OF PRIOR POWERS)

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

As assignee of record of the entire interest of the application referenced above, all powers of attorney previously given are hereby revoked. The practitioners associated with the customer number provided below are hereby appointed to transact all business in the U.S. Patent and Trademark Office connected with the referenced application and all continuations and divisionals thereof.

Customer Number



26119

Address all future correspondence to

Customer Number



26119

Address all telephone calls to Stephen A. Wight at telephone number (503) 226-7391.

The undersigned is authorized to sign this Power of Attorney by Assignee on behalf of the assignee.

Executed at Redmond on the 11 day of April, 2003

Microsoft Corporation

By

Name Daniel D. Crouse

Title Assistant Secretary



UNITED STATES
PATENT AND
TRADEMARK OFFICE

Commissioner for Patents
Washington, DC 20231
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401

CONFIRMATION NO. 6731



26119
KLARQUIST SPARKMAN CAMPBELL LEIGH & WHINSTON LLP
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Date Mailed: 04/25/2003

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/22/2003.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

BRIAN J HILLIARD
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UNITED STATES
PATENT AND
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Commissioner for Patents
Washington, DC 20231
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401

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CONFIRMATION NO. 6731



OC000000009913724

Date Mailed: 04/25/2003

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/22/2003.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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11cm 6/26/03 3382-65527 303295.1

2173

PATENT
Attorney Reference Number 3382-65527

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Art Unit: 2173

Application No. 09/124,468

CERTIFICATE OF MAILING

Filed: July 28, 1998

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on June 26, 2003, as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

For: WEB PAGE DISPLAY SYSTEM

Examiner: Nguyen, Cao H.

Date: June 26, 2003


Attorney for Applicant

TRANSMITTAL LETTER

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

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JUL 02 2003

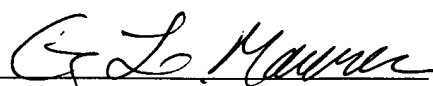
Technology Center 2100

Enclosed for filing in the application referenced above are the following:

- ☒ Response to Office Action dated March 27, 2003
- ☒ No additional fee is required.
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

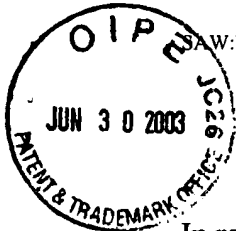
Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By 
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cc: Docketing



#17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Duperrouzel et al.

Art Unit: 2173

Application No.: 09/124,468

Filed: July 28, 1998

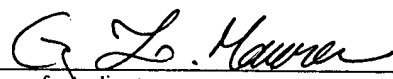
For: WEB PAGE DISPLAY SYSTEM

Examiner: Nguyen, Cao H.

Date: June 26, 2003

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on June 26, 2003 as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450.


Attorney for Applicant

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RESPONSE

Responsive to the Office action dated March 27, 2003, Paper No. 14, reconsideration of the application is respectfully requested in view of the following remarks.

REMARKS

Claims 1-35 are pending in the application. Claims 1-35 have been rejected as unpatentable under 35 U.S.C. 102(e) as being anticipated by United States Patent No. 6,119,135 entitled, "Method for Passively Browsing the Internet using Images Extracted from Webpages," to Jonathan Helfman ("Helfman"). Applicant traverses the rejection.

Claim 1

Claim 1 is directed to a display system for displaying web pages and recites in part, "a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, *each non-overlapping display area having independent display controls and configured to independently display a web page received by the computer.*" Helfman fails to suggest at least this feature.

Helfman describes a system for allowing a user to choose and obtain a number of images displayed on multiple web pages. The chosen images are stored along with the URL of the web

pages the images were obtained from. The stored images can then be displayed to the user, such that the user can simply click on any of the number of displayed images in order to instantiate a browser and direct it to the URL where the image was obtained. Helfman describes a first layout in FIG. 1, where the chosen images can be arranged in an overlapping format. Helfman also describes a second layout in FIG. 2, where the chosen images can be arranged in a non-overlapping format.

The action indicates that col. 3, lines 5-24 of Helfman discloses “each non-overlapping display area having independent display controls and configured to independently display a web page received by the computer,” as recited in claim 1. This is incorrect.

Col. 3, lines 5-24 describe generally how the images to be displayed are obtained. Helfman describes obtaining the images from an image cache (lines 6-10). Helfman also describes obtaining the images by searching the internet for web pages and then extracting the images (lines 12-15). Additionally, Helfman describes allowing the user to either manually input, cut and paste from an application, or supply from a bookmarks file a list of URLs from which to obtain images (lines 15-24).

Helfman then goes on to describe displaying the obtained images in either of an overlapping or non-overlapping format. The non-overlapping format can be created using “standard two-dimensional bin-packing algorithms to avoid the overlap associated with the random placement approach of FIG 1. Another suitable display technique involves displaying images according to size (e.g., placing the largest images in the center of the display).” *See* col. 3, lines 25-32.

In summary, Helfman describes obtaining a number of images from web pages, and creating a display of the images such that a user can click one of the images to return to the web page from which the image was obtained. The obtained images can be displayed in an overlapping or non-overlapping format. However, Helfman does not suggest displaying web pages in individual display areas. Rather, Helfman only displays images, and then instantiates a browser to display the web page where the image was obtained. Thus, Helfman does not teach or suggest, “each non-overlapping display area having independent display controls and *configured to independently display a web page received by the computer.*”

Additionally, it is clear from FIGs. 1 and 2 that Helfman does not teach or suggest providing independent display controls for each display area. Thus, Helfman would not teach or suggest to one of skill in the art, “each non-overlapping display area *having independent display controls* and configured to independently display a web page received by the computer,” as recited in claim 1.

Since the applied art fails to show at least one feature of claim 1, claim 1 should now be in condition for allowance. Claims 2-8, which depend on claim 1, should be allowable for at least the same reasons, as well as the respective features recited therein.

Claim 9

Claim 9 is directed to a display system for displaying web pages and recites in part, “a display having display controls and a plurality of non-overlapping display areas, *each display area having independent display area controls and configured to independently display a web page*, each display area having a size.” Helfman fails to suggest at least this feature.

As explained in relation to claim 1, Helfman describes displaying a number of images that link to web pages. However, Helfman does not suggest a plurality of non-overlapping display areas, each configured to display a web page itself. Likewise, Helfman does not suggest a plurality of non-overlapping display areas, each having independent display controls, as recited in claim 9.

Since the applied art fails to show at least one feature of claim 9, claim 9 should now be in condition for allowance. Claims 10-18, which depend on claim 9, should be allowable for at least the same reasons, as well as the respective features recited therein.

Claim 19

Claim 19 is directed to a method of displaying web pages and recites in part, “displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having size; changing the size of a first web page displayed in response to a sizing control command; and resizing the web pages other than the first web page to maintain the size of the display area of all the web pages.” Helfman fails to suggest at least these features.

Helfman describes obtaining and displaying a number of images that link to web pages. Helfman describes displaying the obtained images in either of an overlapping or non-overlapping format. The non-overlapping format can be created using “standard two-dimensional bin-packing algorithms to avoid the overlap associated with the random placement approach of FIG. 1. Another suitable display technique involves displaying images according to size (e.g., placing the largest images in the center of the display).” *See* col. 3, lines 25-32.

However, as discussed in relation to claims 1 and 9, Helfman only describes displaying images that the user can click to instantiate a browser and direct it to the page where the image was obtained. Helfman does not describe displaying multiple web pages in a display area. By contrast, claim 19 specifically recites “displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having size.”

Additionally, claim 19 recites “changing the size of a first web page displayed in response to a sizing control command; and resizing the web pages other than the first web page to maintain the size of the display area of all the web pages.” Helfman describes displaying images using “standard two-dimensional bin-packing algorithms to avoid the overlap,” or “displaying images according to size (e.g., placing the largest images in the center of the display).” Applicants cannot find any reference in Helfman to resizing other web pages to maintain the size of the overall display. Thus, Helfman’s description of using an algorithm or image size to avoid overlap in displaying images would not suggest to one of skill in the art changing the size of a first web page in response to a sizing control command, and resizing the other displayed web pages to maintain the size of the overall display.

Since the applied art fails to show at least one feature of claim 19, claim 19 should now be in condition for allowance. Claims 20-23, which depend on claim 19, should be allowable for at least the same reasons, as well as the respective features recited therein.

Claim 24

Claim 24 is directed to a display system for displaying web pages and recites in part, “a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer.” Helfman fails to suggest at least this feature.

As explained above, Helfman only describes displaying images that the user can click to instantiate a browser and direct it to the page where the image was obtained. Helfman does not describe displaying multiple web pages in a plurality of non-overlapping display areas configured to independently display a web page. Thus, Helfman fails to teach or suggest, “displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in a display area having size,” as recited in claim 24.

Since the applied art fails to show at least one feature of claim 24, claim 24 should now be in condition for allowance.

Claim 25

Claim 25 is directed to a display system for displaying web pages and recites in part, “a display having a plurality of display areas configured to independently display a web page received by the computer; and a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.” Helfman fails to suggest at least these features.

As explained with respect to the above claims, Helfman only describes obtaining and displaying a number of images that link to web pages. Helfman does not describe displaying multiple web pages in a plurality of display areas configured to independently display a web page, as recited in claim 25.

Furthermore, Helfman describes at col. 3, lines 15-21, a list of URLs that can be compiled either manually by the user, cut and pasted from an application, or taken from a bookmarks list. However, this list is used only to obtain images to display. *See* col. 3, lines 20-22 of Helfman (“The web page images are obtained from the web pages associated with the list of URLs.”). Thus, Helfman does not suggest a display control to activate a group of the display areas to each display a web page from a list of web page sites. By contrast, claim 25 specifically recites “a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.”

Since the applied art fails to show at least one feature of claim 25, claim 25 should now be in condition for allowance. Claims 26-29, which depend on claim 25, should be allowable for at least the same reasons, as well as the respective features recited therein.

Claim 30

Claim 30 is directed to a display system for displaying web pages and recites in part, “a computer system configured to send requests for web pages via the network to web page sites, *the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and a display having a plurality of display areas, each display area configured to independently display a web page received by the computer.*” Helfman fails to suggest at least these features.

As explained in relation to claim 25 above, Helfman does not describe displaying multiple web pages in a plurality of display areas configured to independently display a web page, as recited in claim 30. Furthermore, the list of URLs described in Helfman is only used to obtain images to

display. Helfman does not suggest a computer system configured to receive web pages from web page sites based upon a selected list of stored web page sites. Thus, Helfman fails to teach or suggest "the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area," as recited in claim 30.

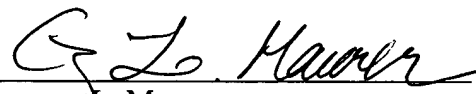
Since the applied art fails to show at least one feature of claim 30, claim 30 should now be in condition for allowance. Claims 31-35, which depend on claim 30, should be allowable for at least the same reasons, as well as the respective features recited therein.

CONCLUSION

The claims in their present form should now be allowable. Such action is respectfully requested.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

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(303295.1)



2173

PATENT
Attorney Reference Number 3382-65527

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Art-Unit: 2173

Application No. 09/124,468

CERTIFICATE OF MAILING

Filed: July 28, 1998

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on August 19, 2003, as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao H. Nguyen

Date: August 19, 2003


Attorney for Applicant

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AUG 25 2003

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Technology Center 2100

Enclosed for filing in the application referenced above are the following:

- ☒ Information Disclosure Statement
 - ☒ Form 1449 and references cited thereon
 - ☒ IDS Fee of \$180.00
- ☒ A check in the amount of \$180.00 to cover the above-listed fees
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

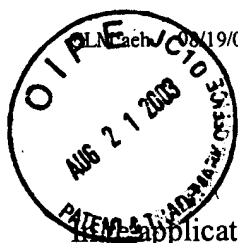
Respectfully submitted,

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cc: Docketing



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Duperrouzel et al.

Art Unit: 2173

Application No. 09/124,468

CERTIFICATE OF MAILING

Filed: July 28, 1998

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao H. Nguyen

Date: August 19, 2003

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Attorney for Applicant

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(c)

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COMMISSIONER FOR PATENTS
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ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent. This Information Disclosure Statement ("IDS") is being mailed before Applicants received a final action, a notice of allowance, or an action that otherwise closes prosecution in the referenced application.

Submitted herewith is a check for \$180.00 as required by 37 C.F.R. § 1.17(p) for filing this IDS in compliance with 1.97(c).

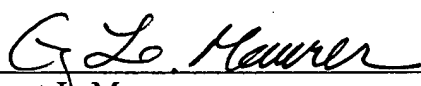
Please charge any additional fees which may be required in connection with filing this IDS, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in Rule 56.

Respectfully submitted,

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FAX TRANSMITTAL

DATE: September 17, 2003

TO: Cao H. Nguyen

FAX PHONE: 703-746-4203

FROM: Gregory L. Maurer 

RE: WEB PAGE DISPLAY SYSTEM

OUR FILE: 3382-65527

YOUR FILE: Application No. 09/124,468

NO. PAGES 13 (including this cover page)

PLEASE ACKNOWLEDGE RECEIPT BY RETURN FACSIMILE? ☐ Yes ☒ No

CONFIRMATION TO FOLLOW? ☐ Yes ☒ No

CONTACT INFO: If you do not receive all pages or if you have problems receiving transmittal, please call us at (503) 226-7391 as soon as possible and ask for Amanda E. Holland.

MESSAGE: Attached is a Proposed Amendment and a copy of the PTO-1449 that was filed on August 19, 2003, for the above-referenced patent application.

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS CONFIDENTIAL AND ONLY FOR THE INTENDED RECIPIENT IDENTIFIED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION OR USE OF THIS COMMUNICATION IS UNLAWFUL. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE (COLLECT), RETURN THE ORIGINAL MESSAGE TO US, AND RETAIN NO COPY.

GLM:ach 09/17/03 220018.doc
PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao H. Ngyuen

Art Unit: 2173

Attorney Reference No. 3382-65527

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

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Attorney for Applicant(s) **PROPOSED**

Date Mailed September 12, 2003

PROPOSED AMENDMENT

~~DONOT ENTER~~

Applicants propose amending the above-referenced Application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2.

Remarks begin on page 10.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

In the Claims:

Please amend claims 9, 19, 23, 25, and 30 as follows:

1. (Original) A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

2. (Original) The display system of claim 1 wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.

3. (Original) The display system of claim 1 wherein the computer system includes a modem for accessing the network.

4. (Original) The display system of claim 1 wherein the computer system includes a network controller for accessing the network.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

5. (Original) The display system of claim 1 wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites.

6. (Original) The display system of claim 5 wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas.

7. (Original) The display system of claim 5 wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites.

8. (Original) The display system of claim 7 wherein the selected list of web sites has a sequence and the predetermined order of display for one display area is different from the sequence of the selected list of web sites.

9. (Amended) A display system for displaying web pages, the display system comprising:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

10. (Original) The system of claim 9, further including a software program configured to be executed in one instance to provide support including communications support for all of the display areas.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

11. (Original) The system of claim 9 wherein the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device.

12. (Original) The system of claim 9 wherein a total area of the plurality of non-overlapping display areas remains constant.

13. (Original) The system of claim 9 wherein the display controls of the display includes a designator control operable by a user to designate the number of the plurality of non-overlapping display areas.

14. (Original) The system of claim 9 wherein the display controls of the display comprises refresh, stop, home, and search controls.

15. (Original) The system of claim 9 wherein the independent display area controls each comprise controls selected from a list of controls comprising back, forward, stop, refresh, search, and web page selection.

16. (Original) The system of claim 9 wherein the web pages include Internet web pages.

17. (Original) The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

18. (Original) The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a portion of the display other than the overlapping display areas into a display area, the display area configured to display a web page associated with the dropped uniform reference locator.

19. (Amended) A method of displaying a plurality of web pages comprising:
requesting the plurality of web pages from web page sites;
receiving the plurality of requested web pages from web page sites;
displaying the plurality of requested web pages wherein the plurality of requested web pages are displayed in a non-overlapping manner in a display area a plurality of non-overlapping display areas having a collective size, the collective size equal to the sum of the non-overlapping display areas;
changing the size of a first web page displayed in response to a sizing control command; and
resizing the web pages other than the first web page to maintain the collective size of the plurality of non-overlapping display area of all the web pages areas.

20. (Original) The method of claim 19, further comprising:
dragging a uniform resource locator from a portion of the display;
dropping the uniform resource locator on to one of the displayed web pages; and
displaying a web page from a web page site associated with the uniform resource locator.

21. (Original) The method of claim 19, further including:
executing only one instance of a software program that manages the method of displaying web pages.

22. (Original) The method of claim 19 wherein requesting web pages is done with one control action for all requested web pages.

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PATENT

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23. (Amended) The method of claim 19, further comprising:
selecting a uniform resource locator with a single action of an input device
controlling a cursor;
repositioning the cursor over one of the displayed web pages; and
displaying a web page from a web page ~~sit~~ site associated with the uniform
resource locator.

24. (Previously Presented) A display system for displaying web pages
accessible via a network, the display system comprising:
a computer system configured to send requests for web pages via the network to
web page sites, the computer system configured to receive web pages via the network from
web page sites;
a display having a plurality of non-overlapping display areas configured to
independently display a web page received by the computer;
a first software program configured to provide instructions to send the web page
requests and to receive web pages with the computer system using only one instance of the
software program; and
a second software program configured to display the web pages in the non-
overlapping display areas while a plurality of web pages are independently displayed in the
plurality of the non-overlapping display areas.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

25. (Previously Presented) A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas; and

a display control configured to activate a group of the display areas to each display a web page from a list of web page sites while maintaining the collective size of the plurality of non-overlapping display areas.

26. (Previously Presented) The display system of claim 25 wherein the display control is further configured to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites.

27. (Previously Presented) The display system of claim 25 wherein each display area of the group of display areas displays in a predetermined order a web page from the list of web page sites.

28. (Previously Presented) The display system of claim 25 wherein the list of web page sites has a sequence and each display area has a predetermined order of display of web page sites from the list of web page sites, the predetermined order of display for one display area being independent from the sequence of the list of web page sites.

29. (Previously Presented) A display system of claim 25 wherein the display control is configured to provide control of the group of the display areas, the control to be selected from a list of controls comprising sizing, refresh, stop, home, scrolling, and search controls.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

30. (Amended) A display system for displaying web pages accessible via a network, the display system comprising:

a data storage area to store a list of web page sites;

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and

a display having a plurality of non-overlapping display areas, each display area configured to independently display a web page received by the computer, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas;

wherein the display has a sizing control operable to adjust the sizes of the display areas simultaneously while maintaining the collective size of the plurality of non-overlapping display areas.

31. (Previously Presented) The display system of claim 30, further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area.

32. (Previously Presented) The display system of claim 31 wherein at least one of the web pages in the first set of web pages is also present in the second set of web pages.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

33. (Previously Presented) The display system of claim 31, further comprising a display control configured to assign for display each web page from the first set of web pages to a selected one of the plurality of display areas according to an order of the first set of web pages and an order of the display areas, the display control configured to subsequently assign for display each web page from the second set of web pages to the selected display area to replace the web page assigned from the first set of web pages.

34. (Previously Presented) The display system of claim 30, further comprising a scroll control configured to control an advancement of display of web pages from a list of web pages, the web pages being displayed on selected display areas of the plurality of display areas according to an order of the list, the scroll control sequentially shifting at least one web page from the selected display area to a different selected display area.

35. (Previously Presented) The display system of claim 34, further comprising a scroll lock control configured to designate a selected display area of the plurality of display areas for which no sequential shifting will occur.

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PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

Remarks

Reconsideration of the application is respectfully requested in view of the foregoing amendments and following remarks.

Information Disclosure Statement

Applicants filed an Information Disclosure Statement on August 19, 2003, for the application. The Statement included the fee required under 37 C.F.R. §1.17(p); therefore the references must be considered by the Examiner. Accordingly, Applicants respectfully request the Examiner consider the eight (8) patent documents cited therein and provide, in the next Action, the initialed Form 1449 indicating the references have been properly considered. For the convenience of the Examiner, Applicants include a copy of the Form 1449 earlier filed.

Patentability of Claims 9, 19, 25, and 30

Applicants have amended claims 9, 19, 25, and 30 and respectfully request allowance of the application. Applicants expressly reserve the right to pursue the original (i.e., unamended) versions of the claims in a continuation application.

Request For Interview

If any issues remain, the Examiner is formally requested to contact the undersigned attorney prior to issuance of the next Office Action in order to arrange a telephonic interview. It is believed that a brief discussion of the merits of the present application may expedite prosecution. Applicants submit the foregoing formal Amendment so that the Examiner may fully evaluate Applicants' position, thereby enabling the interview to be more focused.

This request is being submitted under MPEP § 713.01, which indicates that an interview may be arranged in advance by a written request.

GLM:aeh 09/17/03 220018.doc
PATENT

Attorney Reference Number 3382-65527
Application Number 09/124,468

Conclusion

The claims in their present form should now be allowable. Such action is respectfully requested.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

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GLM:ach 08/18/03 3382-65527 214191.doc

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-65527
	Application Number	09/124,468
	Filing Date	July 28, 1998
	First Named Inventor	Duperrouzel
	Art Unit	2173
	Examiner Name	Cao H. Nguyen

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
		5,499,334	March 12, 1996	Staab
		5,513,342	April 30, 1996	Leong et al.
		5,694,561	December 2, 1997	Malamud et al.
		5,900,875	May 4, 1999	Haitani et al.
		6,072,474,	June 6, 2000	Morimura et al.
		6,275,225	August 14, 2001	Rangarajan et al.
		6,289,361 B1	September 11, 2001	Uchida
		6,344,865 B1	February 5, 2002	Matthews, III et al.

EXAMINER SIGNATURE:	DATE CONSIDERED:
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

26119 7590 09/25/2003
KLARQUIST SPARKMAN LLP
121 S.W. SALMON STREET
SUITE 1600
PORTLAND, OR 97204

EXAMINER

NGUYEN, CAO H

ART UNIT	PAPER NUMBER

2173

DATE MAILED: 09/25/2003

18

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

Office Action Summary

Application No.
09/124,468

Applicant(s)
Duperrouzel et al.

Examiner
Cao (Kevin) Nguyen

Art Unit
2173



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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Jun 30, 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

Art Unit: 2173

DETAILED ACTION

Claim Rejections - 35 USC § 102

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

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Helfman (US Patent No. 6,119,135).

Regarding claim 1, Helfman discloses a display system for displaying web pages accessible via a network, the display system comprising: a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites (see Abstract); a display having display

Art Unit: 2173

controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer (see col. 3, lines 5-24); and a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas (see col. 3, lines 25-65).

Regarding claim 2, Helfman discloses wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages (see figure 1).

Regarding claims 3 and 4, Helfman discloses wherein the computer system includes a modem for accessing the network; and wherein the computer system includes a network controller for accessing the network (see figure 3).

Regarding claim 5, Helfman discloses wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites (see col. 4, lines 6-38).

Regarding claims 6-7, Helfman discloses wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas; and

Art Unit: 2173

wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites (see col. 5, lines 1-44).

As claims 8-16 are analyzed as previously discussed with respect to claims 1-7 above.

Regarding claims 17, Helfman discloses wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator (see col. 6, lines 5-67).

As claims 18-23 are analyzed as previously discussed with respect to claims 1-7 and 17 above.

Regarding claims 24 and 25, Helfman teaches a computer system configured to send requests for web pages via the network to web page sites; the computer system configured to receive web pages via the network from web page sites; a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer; a first software program configured to provide instructions to send the web page requests and to receive web pages with the computer system using only one instance of the software program; and a second software program configured to display the web pages in the nonoverlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas (see col. 7, lines 6-61).

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As claims 26-30 are analyzed as previously discussed with respect to claims 1-7, 17 and 24-25 above.

Regarding claims 31-35, Helfman discloses further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area (see col. 8, lines 5-64 and figures 7-9).

3. Applicant's arguments filed on 06/30/03 have been fully considered but they are not persuasive.

On page 1-2 of the Remarks, Applicant argues that the Helfman does not teach or suggest "a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer". However, the limitations as claimed set forth to reply upon "In accordance with the present invention, a user with a computer connected to a data network such as the Internet or an intranet can have web page images displayed on computer screen. Typical images

Art Unit: 2173

include logos, art, and pictures of products and may, in general, include text. If the user observes an image of interest, the user can select that image by clicking on the image by manipulating pointer with a pointing device such as a trackball or a mouse. When an image is selected, the user's web browser is automatically driven to the web page associated with the image. The user can browse the World Wide Web starting with that page. Various techniques can be used to define the set of images that are presented on screen. If desired, the images can be obtained from an image cache. The contents of the cache varies continually as other users browse the Web and draw different images into the cache. As new images are added to the cache, they are displayed on screen. Because a variety of images are presented to the user without any user input, the user may browse the Internet or intranet passively. Another way in which to obtain images is to perform a search for web pages that meet certain predefined search criteria. The images displayed on screen can be extracted from the web pages that match the search criteria. Similarly, a user can provide a list of certain universal resource locators (URLs) to define a set of web pages or web sites. The URLs can be entered by the user manually or by cutting and pasting from an application or can be supplied from a web browser's bookmarks file. The web page images are obtained from the web pages associated with the list of URLs. Web page images can also be obtained from web pages associated with the currently displayed page of an active web browser. If desired, web page images can be displayed on computer display screen in a non-overlapping pattern. The pattern of FIG. 2 uses standard two-dimensional bin-packing algorithms to avoid the overlap associated with the random placement approach of FIG. 1.

Art Unit: 2173

Another suitable display technique involves displaying images according to size (e.g., placing the largest images in the center of the display) see Helfman.

On page 3 of the Remarks, Applicant argues that the Helfman does not teach or suggest “display area having independent display area controls and configured to independently display a web page received by the computer”. However, the limitations as claimed set forth to reply upon “When the accessing user clicks on a region of the snapshot image map, the user's web browser sends the coordinates of the user's selection to the web server along with the name of the image map coordinate file. The web server determines the URL of the web page associated with the selected region by searching through the image map coordinate file for the first region that contains the selected coordinates. The web server then sends back a command that drives the user's web browser to the web page associated with the image in the selected region.” see Helfman.

On pages 4-6 of the Remarks are analyzed as previously discusses with respect to the argument above.

Accordingly, the claimed invention as represented in the claims do not represent a patentable distinction over the art of record.

Art Unit: 2173

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (see PTO-892).

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Response

6. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 308-9051 may be used for formal communications or (703) 305-9724 for informal or draft communications.

Art Unit: 2173

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA. Sixth Floor (Receptionist).

Inquires

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (703) 305-3972. The examiner can normally be reached on Monday-Friday from 8:30 am to 6:00 pm. ★

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim, can be reached on (703) 305-3821. The fax number for this group is (703) 308-6606.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

C. CAO (KEVIN) NGUYEN
PRIMARY EXAMINER

September 20, 2003



11/19/03 3382-65527 235220.doc

Corres. and Mail
BOX AF

Attorney Reference Number 3382-65527

PATENT

AF/2173
#20
SP
12-02-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao (Kevin) Nguyen

Art Unit: 2173

Attorney Reference No. 3382-65527

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)

G.L. Maurer

Date Mailed November 20, 2003

MAIL STOP AF
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

RECEIVED

NOV 28 2003

TRANSMITTAL LETTER

Technology Center 2100

Enclosed is a final Response for the above application.

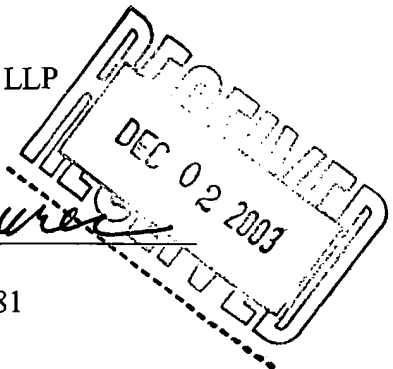
- ☒ No fee is required.
- ☒ Please charge any additional fees that may be required in connection with filing this response and any extension of time, or credit any overpayment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

G.L. Maurer
Gregory L. Maurer
Registration No. 43,781



One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Response Under 37 C.F.R. § 1.116
Expedited Procedure

21/N/E
12-5-03
B. J. H

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao H. Nguyen

Art Unit: 2173

Attorney Reference No. 3382-65527

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Attorney
for Applicant(s)

G. L. Maurer

Date Mailed November 20, 2003

MAIL STOP AF
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P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

RECEIVED

NOV 28 2003

Technology Center 2100

RESPONSE

In response to the final Office Action dated September 25, 2003, Applicants present the following response.

There are no claim amendments at this time.

Remarks begin on page 2.

REMARKS

Reconsideration of the application is respectfully requested in view of the following remarks. Claims 1-35 are pending in the application. No claims have been allowed. Claims 1, 9, 19, 24, 25, and 30 are independent.

Applicants note that an amendment was filed on September 24, 2003, after telephonic communications with the Examiner before the final rejection was mailed. Applicants believe the Application is in condition for allowance.

Cited Art

U.S. Patent No. 6,119,135 to Helfman ("Helfman") is entitled "Method for Passively Browsing the Internet Using Images Extracted from Web Pages."

Information Disclosure Statement

Applicants filed an Information Disclosure Statement on August 19, 2003, for the application. The Statement included the fee required under 37 C.F.R. §1.17(p); therefore the references must be considered by the Examiner. Accordingly, Applicants respectfully request the Examiner consider the eight (8) patent documents cited therein and provide, in the next Action, the initialed Form 1449 indicating the references have been properly considered. For the convenience of the Examiner, Applicants include a copy of the Form 1449 earlier filed.

Patentability of Claims over Helfman under § 102(e)

The Action rejects claims 1-35 under 35 U.S.C. § 102(e) as being anticipated by Helfman. Applicants respectfully submit the claims in their present form are allowable over the cited art. For a 102(e) rejection to be proper, the cited art must show each and every element as set forth in a claim. (See MPEP § 2131.01.) However, the cited art does not so show.

With respect to claim 1, Applicants point to the "display a web page" language, which is not taught or suggested by Helfman.

Further, Applicants submitted an amendment on September 24, 2003, to add various language to the claims before the mailing date of the final Office Action. Applicants believe the

amendment does not unduly interfere with prosecution, but instead advances prosecution. The claims are thus now clearly in condition for allowance.

Accordingly, Applicants respectfully request entry of the amendment (if not already entered) and reconsideration of the application.

Request For Interview

If any issues remain, the Examiner is formally requested to contact the undersigned attorney prior to issuance of the next Office Action in order to arrange a telephonic interview. It is believed that a brief discussion of the merits of the present application may expedite prosecution. Applicants submit the foregoing formal Amendment so that the Examiner may fully evaluate Applicants' position, thereby enabling the interview to be more focused.

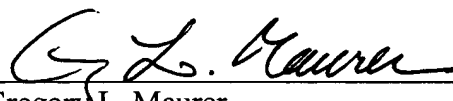
This request is being submitted under MPEP § 713.01, which indicates that an interview may be arranged in advance by a written request.

Conclusion

The claims in their present form should now be allowable. Such action is respectfully requested.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By 
Gregory L. Maurer
Registration No: 43,781

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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

26119 7590 12/17/2003
KLARQUIST SPARKMAN LLP
121 S.W. SALMON STREET
SUITE 1600
PORTLAND, OR 97204

EXAMINER

NGUYEN, CAO H

ART UNIT	PAPER NUMBER

2173

DATE MAILED: 12/17/2003

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

Advisory ActionApplication No.
09/124,468Applicant(s)
Duperrouzel et al.Examiner
Cao (Kevin) NguyenArt Unit
2173

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

THE REPLY FILED Dec 5, 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid the abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

THE PERIOD FOR REPLY [check only a) or b)]

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

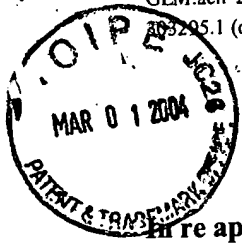
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ they raise the issue of new matter (see NOTE below);
- (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____

3. ☐ Applicant's reply has overcome the following rejection(s): _____
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because:
The present invention as claimed does not distinguish over the prior art of record as anticipated by Helfman.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☒ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
- The status of the claim(s) is (or will be) as follows:
- Claim(s) allowed: _____
- Claim(s) objected to: _____
- Claim(s) rejected: 1-35
- Claim(s) withdrawn from consideration: _____
8. ☐ The proposed drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
10. ☐ Other: _____

CAO (KEVIN) NGUYEN
PRIMARY EXAMINER
ART UNIT 2173



PATENT
Attorney Reference Number 3382-65527

AF/2700 \$
#23
3-11-04
B.J.H

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao (Kevin) Nguyen

Art Unit: 2173

Attorney Reference No. 3382-65527

CERTIFICATE OF MAILING

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Attorney
for Applicant(s)

G.L. Maurer

Date Mailed February 24, 2004

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TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- ☒ Notice of Appeal
 - ☒ A check in the amount of \$330.00 to cover the above-listed fee
- ☒ Applicant petitions for an extension of time for two months. If an additional extension of time is required please consider this a petition therefor.
 - ☒ A check in the amount of \$420.00 is attached for payment of the extension fee.
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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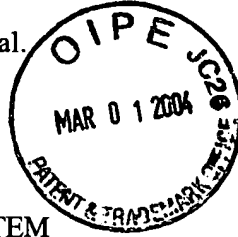
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**NOTICE OF APPEAL FROM THE EXAMINER
TO THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicants hereby appeal to the Board from the decision of Examiner Cao (Kevin) Nguyen mailed December 17, 2003, finally rejecting claims 1-35.

The fee \$330.00 per 37 C.F.R. § 1.17 (b) for filing this Notice of Appeal is enclosed.

Please charge any additional fees that may be required in connection with filing this Notice of Appeal and any extension of time, or credit any overpayment, to Deposit Account No. 02-4550. A copy of this Notice of Appeal is enclosed.

Respectfully submitted,

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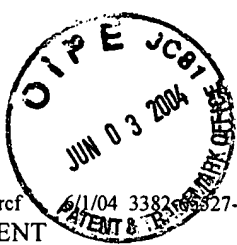
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Attorney Reference Number 3382-65527-01
Application Number 09/124,468

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.
Application No. 09/124,468
Filed: July 28, 1998
Confirmation No. 6731
For: WEB PAGE DISPLAY SYSTEM
Examiner: Cao (Kevin) Nguyen
Art Unit: 2173
Attorney Reference No. 3382-65527-01

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Attorney
for Applicant(s) E. L. Maurer
Date Mailed June 1, 2004

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AMENDMENT AFTER APPEAL

Before consideration of the Appeal Brief filed concurrently herewith, please amend the referenced application under 37 C.F.R. § 1.116 as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2.

Remarks begin on page 9.

06/03/2004 SDENBOB1 00000002 09124468

01 FC:1402	330.00 DP
02 FC:1251	110.00 DP

Claims

Please amend claim 23 as follows:

1. (original) A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

2. (original) The display system of claim 1 wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.

3. (original) The display system of claim 1 wherein the computer system includes a modem for accessing the network.

4. (original) The display system of claim 1 wherein the computer system includes a network controller for accessing the network.

5. (original) The display system of claim 1 wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web

page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites.

6. (original) The display system of claim 5 wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas.

7. (original) The display system of claim 5 wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites.

8. (original) The display system of claim 7 wherein the selected list of web sites has a sequence and the predetermined order of display for one display area is different from the sequence of the selected list of web sites.

9. (original) A display system for displaying web pages, the display system comprising:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.

10. (original) The system of claim 9, further including a software program configured to be executed in one instance to provide support including communications support for all of the display areas.

11. (original) The system of claim 9 wherein the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device.

12. (original) The system of claim 9 wherein a total area of the plurality of non-overlapping display areas remains constant.

13. (original) The system of claim 9 wherein the display controls of the display includes a designator control operable by a user to designate the number of the plurality of non-overlapping display areas.

14. (original) The system of claim 9 wherein the display controls of the display comprises refresh, stop, home, and search controls.

15. (original) The system of claim 9 wherein the independent display area controls each comprise controls selected from a list of controls comprising back, forward, stop, refresh, search, and web page selection.

16. (original) The system of claim 9 wherein the web page include Internet web pages.

17. (original) The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator.

18. (original) The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a portion of the display other than the overlapping display areas into a display area, the display area configured to display a web page associated with the dropped uniform reference locator.

19. (original) A method of displaying web pages comprising:
requesting web pages from web page sites;
receiving the requested web pages from web page sites;
displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in display area having a size;
changing the size of a first web page displayed in response to a sizing control command; and
resizing the web pages other than the first web page to maintain the size of the display area of all of the web pages.

20. (original) The method of claim 19, further comprising:
dragging a uniform resource locator from a portion of the display;
dropping the uniform resource locator on to one of the displayed web pages; and
displaying a web page from a web page site associated with the uniform resource locator.

21. (original) The method of claim 19, further including:
executing only one instance of a software program that manages the method of displaying web pages.

22. (original) The method of claim 19 wherein requesting web pages is done with one control action for all requested web pages.

23. (currently amended) The method of claim 19, further comprising:
selecting a uniform resource locator with a single action of an input device controlling a cursor;
repositioning the cursor over one of the displayed web pages; and
displaying a web page from a web page ~~site~~ site associated with the uniform resource locator.

24. (previously presented) A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer;

a first software program configured to provide instructions to send the web page requests and to receive web pages with the computer system using only one instance of the software program; and

a second software program configured to display the web pages in the non-overlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas.

25. (previously presented) A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of display areas configured to independently display a web page received by the computer; and

a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.

26. (previously presented) The display system of claim 25 wherein the display control is further configured to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites.

27. (previously presented) The display system of claim 25 wherein each display area of the group of display areas displays in a predetermined order a web page from the list of

web page sites.

28. (previously presented) The display system of claim 25 wherein the list of web page sites has a sequence and each display area has a predetermined order of display of web page sites from the list of web page sites, the predetermined order of display for one display area being independent from the sequence of the list of web page sites.

29. (previously presented) A display system of claim 25 wherein the display control is configured to provide control of the group of the display areas, the control to be selected from a list of controls comprising sizing, refresh, stop, home, scrolling, and search controls.

30. (previously presented) A display system for displaying web pages accessible via a network, the display system comprising:

- a data storage area to store a list of web page sites;
- a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and
- a display having a plurality of display areas, each display area configured to independently display a web page received by the computer.

31. (previously presented) The display system of claim 30, further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area.

32. (previously presented) The display system of claim 31 wherein at least one of the web pages in the first set of web pages is also present in the second set of web pages.

33. (previously presented) The display system of claim 31, further comprising a display control configured to assign for display each web page from the first set of web pages to a selected one of the plurality of display areas according to an order of the first set of web pages and an order of the display areas, the display control configured to subsequently assign for display each web page from the second set of web pages to the selected display area to replace the web page assigned from the first set of web pages.

34. (previously presented) The display system of claim 30, further comprising a scroll control configured to control an advancement of display of web pages from a list of web pages, the web pages being displayed on selected display areas of the plurality of display areas according to an order of the list, the scroll control sequentially shifting at least one web page from the selected display area to a different selected display area.

35. (previously presented) The display system of claim 34, further comprising a scroll lock control configured to designate a selected display area of the plurality of display areas for which no sequential shifting will occur.

Remarks

With the foregoing amendment, claims 1-35 are pending. The amendment is included to correct a minor typographical error and to place the claims in better form for consideration on appeal. No new subject matter has been added.

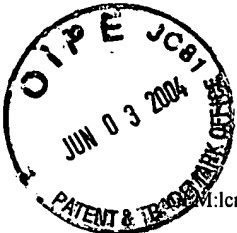
Respectfully submitted,

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6/1/04 3382-65527-01 303295.1

PATENT

Attorney Reference Number 3382-65527-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao (Kevin) Nguyen

Art Unit: 2173

Attorney Reference No. 3382-65527-01

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Attorney
for Applicant(s)

Date Mailed June 1, 2004

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TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- ☒ Applicant's Appeal Brief in triplicate.
- ☒ Amendment After Appeal under C.F.R. § 1.116.
- ☒ Fee of \$330.00.
- ☒ One-month extension fee of \$110.00.
- ☒ Two checks in the amount of \$330.00 and \$110.00 to cover the above-listed fees

- ☒ Applicants petition for an extension of time of one month. If an additional extension of time is required please consider this a petition therefor.

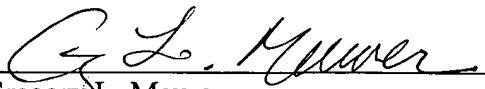
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.



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Application No. 09/124,468

Filed: July 28, 1998

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APPEAL BRIEF

This brief is in furtherance of the Notice of Appeal filed February 24, 2004, and received March 1, 2004. The fee required under 37 C.F.R. § 1.17(c) is enclosed.

06/03/2004 SDENB081 00000002 09124468
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00FC:1402
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I. REAL PARTY IN INTEREST

The real party in interest is Microsoft Corporation, by an assignment from the Seed Intellectual Property Law Group PLLC recorded at Reel 013704, Frames 0685 *et seq.* Seed Intellectual Property Law Group PLLC received an assignment from Katiesoft, Inc., recorded at Reel 012526, Frames 0027 *et seq.* Katiesoft, Inc. received an assignment from the inventors, recorded at Reel 9493, Frames 0925 *et seq.*

Microsoft Corporation is a Washington corporation having a place of business at One Microsoft Way, Redmond, Washington, 98052.

II. RELATED APPEALS AND INTERFERENCES

No other appeals or interferences relate to the present application.

III. STATUS OF CLAIMS

Claims 1-35 have been rejected and remain appealed.

IV. STATUS OF AMENDMENTS

An Amendment was filed on September 24, 2003, responsive to an Examiner interview of September 12, 2003, which indicated a likelihood of allowance if the suggested Amendment were filed. A Final Office Action was mailed on September 25, 2003, which did not enter the Amendment. A Response After Final Office Action was then filed on November 20, 2003, referring to the earlier Amendment. An Advisory Action, mailed December 17, 2003, refused entry of the Amendment.

Separately, an IDS filed August 19, 2003, has apparently not been considered by the Examiner.

Thus, for the purpose of Appeal the claims will be presented as they appeared after the entry of a Preliminary Amendment of August 12, 1999, which added new claims, and after which no further amendments were entered. Additionally, an Amendment After Appeal is filed concurrently with this Appeal Brief in order to correct a typographical error in claim 23 which was not corrected when the September 24, 2003, Amendment was not entered. The error is corrected in the listing of claims on appeal in the Appendix to this Appeal Brief.

V. SUMMARY OF THE INVENTION

The claims include those directed to a display system for displaying web pages in a plurality of non-overlapping display areas with a sizing control that allows a user to simultaneously control the sizes of the display areas. [See, Application at page 2, lines 19-27.] One advantage is that a user can drag a sizing control through the use of a mouse and have the sizes of a plurality of display panes automatically change. [See, Application at page 10, line 27 to page 11, line 3.] Another advantage is that multiple independent web pages may be simultaneously displayed [see, Application at page 7, lines 4-9] and individual navigation tools used for each display area [see, e.g., Application at page 8, line 23 to page 9, line 22; FIG. 2.]

For example, FIG. 2 shows an exemplary screen display 210 comprising four display panes 212a-d displaying four web pages and a sizing control 216 which allows the control of all four display panes simultaneously. [See, Application at page 10, lines 19-20.] FIG. 3 shows an additional example, as the sizing control 216 can be moved to a different position, adjusting the sizes of all four display panes. [See, Application at page 11, lines 3-6.]

The claims also include those directed to a display system for displaying web pages in a plurality of display areas, the web pages taken from a list of web page sites. [See, Application at page 16, lines 12-18; page 19, line 23 to page 24, line 9; FIG. 11, FIG. 16, FIG. 17.] One advantage is that a user can scroll through a list of web sites through the use of forward and back scrolling controls, allowing the user to control how he or she accesses pre-selected web sites. [See, Application at page 16, lines 15-18.]

For example, FIG. 16 shows a URL list 1610 of web page sites. FIG. 18 shows a pop-down list which can allow a user to go directly to a URL from the list 1610. [See Application at page 20, lines 14-17.] In another example, FIG. 11 shows a ScrollMarks menu 1110 comprising a Scroll Forward selection 1116 and a Scroll Back selection 1118, which allow a user to scroll through the web pages of the URL list 1610. [See, Application at page 20, lines 17-19]

VI. ISSUES

A. Whether Helfman describes each and every element of claims 1-23 as required under 35 U.S.C. 102(e).

B. Whether Helfman describes each and every element of claims 25-35 as required under 35 U.S.C. 102(e).

C. Whether Helfman describes each and every element of claim 24 as required under 35 U.S.C. 102(e).

VII. GROUPING OF CLAIMS

For reasons detailed below, each of the independent claims 1, 9, 19, 24, 25, and 30 is independently allowable. The dependent claims each contain limitations that further distinguish over the art of record. However, since the limitations of the independent claims are sufficient to distinguish this art, and to facilitate the Board's consideration of this appeal, Applicants group the claims for purposes of this appeal as follows.

The patentability of claims 2-23 stand or fall with the patentability of claim 1.

The patentability of claims 26-35 stand or fall with the patentability of claim 25.

The patentability of claim 24 stands or falls on its own.

VIII. ARGUMENT

A. The Cited Art – U.S. Patent 6,119,135 to Helfman (“Helfman”)

Helfman describes a passive internet-browsing method which displays images from web pages on a user's display. [See Helfman at abstract.] A web browser can be driven to go to a web page by clicking on a displayed image. [See Helfman at abstract.] To allow for this, a mapping list is maintained that maps the Uniform Resource Locator (“URL”) for each image to the URL for a website. [See Helfman at abstract.] The images can be displayed either in a so-called “non-overlapping” pattern or a random pattern which allows overlapping images. Additionally, the images can be displayed according to their size. [See Helfman at column 3, lines 25-30, FIGS. 1-2.]

At column 2, line 60 to column 3, line 4, Helfman describes differences between displaying images and displaying web pages:

In accordance with the present invention, a user ... can have web page images 10 displayed on computer screen 12, as shown in FIG. 1.... If the user observes an image of interest, the user can select that image by clicking on the image When an image is selected, the user's web browser is automatically

driven to the web page associated with the image. The user can browse the World Wide Web starting with that page.

Helfman, at column 3, lines 25-32, further describes that the images displayed on the screen may alternatively be displayed in multiple ways, including so-called “overlapping” or “non-overlapping” manners:

If desired, web page images 14 can be displayed on computer display screen 16 in a non-overlapping pattern, as shown in FIG. 2. The pattern of FIG. 2 uses standard two-dimensional bin-packing algorithms to avoid the overlap associated with the random placement approach of FIG. 1. Another suitable display technique involves displaying images according to size (e.g., placing the largest images in the center of the display).

Helfman later describes, at column 3, lines 62-65, a “montage application” which “displays the images on the display of client 32 in a random pattern (e.g. as shown in FIG. 1), a so-called “non-overlapping pattern” (e.g., as shown in FIG. 2), or in some other suitable arrangement.

Helfman also describes a “mapping list that maps the URL for each image listed in the log file to the URL of the web page associated with that image” at column 4, lines 33-35. Helfman describes that the mapping list is used to display a single web page when an image is selected at column 4, lines 57-62:

If a user selects an image by clicking at a certain coordinate, montage application 40 determines which image has been selected from the list of coordinates maintained during process 54 and uses the mapping list constructed during process 50 to drive web browser 36 to the web page that contains the selected image at step 58.

B. Rejections of Claims 1-23 as Anticipated by Helfman Under § 102(e)

1. Independent Claim 1 Is Not Anticipated by Helfman

Claim 1 stands rejected under 35 U.S.C. §102(e) as anticipated by Helfman.

Claim 1 is directed to a display system for displaying web pages accessible via a network comprising a computer system, a display, and a sizing control. The computer system is configured to send requests for web pages via the network to web pages sites and to receive web pages via the network from web page sites. [See, e.g., Application at page 6, lines 20-22.]

The display has display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to

the sum of the non-overlapping display areas. [See, e.g., Application at page 7, lines 20-24; FIG. 2.] Additionally, each non-overlapping display area has independent display area controls and is configured to independently display a web page received by the computer. [See e.g., Application at page 7, line 25 to page 8, line 5; FIG. 2.]

The sizing control is operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas. [See, e.g., Application at page 10, lines 19-20; page 11, line 24 to page 12, line 16; FIG. 3.]

Helfman does not anticipate claim 1 under 35 U.S.C. §102(e). "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987); MPEP §2131. Because Helfman does not describe each and every element of claim 1, the rejection under 35 U.S.C. §102(e) of claim 1 should be reversed.

a. Helfman's Passage About Displaying Web Page Images Does Not Describe Display Areas Along with a Sizing Control Operable by a User to Simultaneously Adjust the Display Area Sizes While Maintaining Their Collective Size

Claim 1 recites in part:

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping areas.

For example, the Application at FIG. 2 shows a sizing control 216 which is operable by a user to control the sizing of all four illustrated display panes 212a-d. If the sizing control is moved by a user, the size of the display panes 212a-d is automatically adjusted so that the intersection of the common corners of the display panes 212a-d continues to be the position of the moved sizing control. [See Application at page 10, lines 19-20; page 11, lines 3-6.] The Application at FIG. 3 shows an additional example where the sizing control has been moved by a user, causing the display panes 212a-d to automatically resize accordingly. [See Application at page 11, lines 19-25.]

The rejection of claim 1 in the September 25, 2003, Office Action cites to a section of Helfman that discusses displaying images in a so-called "non-overlapping" pattern, storage and

retrieval of images from an image cache, and a “montage application” which creates a list mapping URLs of images to URLs of web pages:

If desired, web page images 14 can be displayed on computer display screen 16 in a non-overlapping pattern, as shown in FIG. 2. The pattern of FIG. 2 uses standard two-dimensional bin-packing algorithms to avoid the overlap associated with the random placement approach of FIG. 1. Another suitable display technique involves displaying images according to size (e.g., placing the largest images in the center of the display).

Images may be obtained from an image cache using system 18 of FIG. 3. In system 18, multiple clients are clustered together to form a local area network 20. Web servers 22 and 24, which are connected to a data network such as the Internet 26 or an intranet, supply web pages to clients 28, 30, and 32. Clients 28, 30, and 32 are connected to the Internet 26 through proxy server 34. Proxy servers are typically used in organizations that wish to provide a firewall machine between clients in a local area network and the Internet. Clients 28, 30, and 32 in local area network 20 contain standard web browsers, such as web browser 36 on client 32. Each web browser is configured to use proxy server 34 as its proxy server. When users browse the Internet 26, the web browsers request web pages from the proxy server 34. Proxy server 34 stores requested web pages and the images contained in or referenced from those web pages in cache 38. If no local copy of a requested page exists in cache 38 of proxy server 34, proxy server 34 retrieves the requested web page from the appropriate web server 22 or 24 via the Internet 26. Proxy server 38 also maintains a standard log file containing the URLs of the stored web pages and images.

A montage application, such as montage application 40 on client 32, may run on each client in local area network 20, but is illustrated only as running on client 32 to avoid over-complicating the drawing. Montage application 40 parses the log file maintained by proxy server 38 and creates a corresponding mapping list containing the URLs of the images in cache 38 and the URLs of the web pages associated with those images. Montage application 40 displays the images on the display of client 32 in a random pattern (e.g., as shown in FIG. 1), a non-overlapping pattern (e.g., as shown in FIG. 2), or in some other suitable arrangement.

[Helfman at column 3, lines 25-65; emphasis added.] Applicants fail to understand how the cited language in any way describes a sizing control, let alone one that allows a user to simultaneously adjust display areas while maintaining the areas’ collective size. Helfman does describe displaying web page images by size in the emphasized paragraph above and in the Summary at column 3, lines 25-32. But the discussion appears to be limited to techniques for automatic image layout, and not a sizing control which allows a user to adjust display area sizes simultaneously.

Finally, while the Action does not present an inherency argument, Applicants note for the sake of completeness that the techniques of Helfman can operate without allowing a user to adjust display area sizes using a sizing control. Therefore, the claimed arrangement is not necessarily present in Helfman and is thus not inherently described. *See Schering Corp. v. Geneva Pharms., Inc.*, 339 F.3d 1373; 67 USPQ 2d 1664 (Fed. Cir. 2003).

b. Helfman's Passage on a Plurality of Images from Web Pages Does Not Describe a Plurality of Display Areas Configured to Display Web Pages

Claim 1 recites in part:

a plurality of non-overlapping display areas ... each non-overlapping display area ... configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping areas.

The Application at FIG. 2, FIG. 3, and FIG. 4 shows the display of a plurality of web pages.

As mentioned above, in the rejection of claim 1, the Office Action cites to column 3, lines 25-65 of Helfman. While this section of Helfman describes displaying "web page images," it limits its description to a display of images. The section nowhere describes a plurality of display areas which are configured to display *web pages*. And while the section cited does discuss proxy servers which request web pages, it does not discuss display of those web pages where the plurality of images are displayed, but rather that the images come *from* the web pages. [See, Helfman at column 3, lines 25-32, lines 35-54.] None of Helfman's drawings show, and the text does not describe, that the web page images are configured to display web pages.

Further, Helfman's passage describing driving a browser to a web page does not describe a plurality of display areas, each configured to display a web page along with a sizing control operable by a user to simultaneously adjust the sizes of the areas. Where Helfman does discuss the display of a web page, it does so by describing the use of a single web browser to display a single web page:

If a user selects an image by clicking at a certain coordinate, montage application 40 determines which image has been selected from the list of coordinates maintained during process 54 and uses the mapping list constructed during process 50 to drive web browser 36 to the web page that contains the selected image at step 58.

[Helfman, column 4, lines 57-62.] At column 3, lines 42-44, Helfman describes the web browser 36 as being a “standard web browser.” Thus, display of web pages, as described by Helfman, are performed outside of the displayed images and through a single web browser. Even if Helfman’s web browser did describe such a plurality of display areas, Applicants still cannot find where Helfman describes a plurality of display areas along with the sizing control operable by a user to adjust their sizes.

For at least these reasons, the final rejection of claim 1 should be reversed.

2. Independent Claims 9 and 19 Are Not Anticipated by Helfman

Claims 9 and 19 each contain language that is not described in Helfman.

Claim 9 recites in part:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.

For reasons similar to those presented for claim 1, Helfman does not describe the claimed language.

Claim 19 recites in part:

displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in display area having a size;

changing the size of a first web page displayed in response to a sizing control command; and

resizing the web pages other than the first web page to maintain the size of the display area of all of the web pages.

For reasons similar to those presented for claim 1, Helfman does not describe the claimed language. For at least these reasons, the final rejection of claims 9 and 19 should be reversed.

3. Dependent Claims 2-8, 10-18, and 20-23 Are Not Anticipated by Helfman

Claims 2-8, 10-18, and 20-23 each depend from one of claims 1, 9, or 19. For the sake of brevity, Applicants do not present separate arguments for all the dependent claims, which are allowable at least because their associated independent claims are allowable. The final rejection of claims 2-8, 10-18, and 20-23 should be reversed.

C. Rejections of Claims 25-30 as Anticipated by Helfman Under § 102(e)

1. Independent Claim 25 Is Not Anticipated by Helfman

a. Helfman's Passage on the Use of Lists of URLs Does Not Describe Display Areas Each Displaying a Web Page from a List of Web Page Sites

Claim 25 recites, in part:

a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.

The Application provides examples of such a display control and list of web page sites. For example, FIG. 11 shows a StartScrollShow selection 1114 which causes the first four web pages of a list of web page URLs to appear. [See Application at page 16, lines 13-15.] FIG. 16 and FIG. 17 show examples of lists of URLs which can be scrolled through using the Scroll Forward selection 1116 and Scroll Back selection 1118 of Figure 11. [See Application at page 20, lines 17-19.]

The rejection of claim 25 cites column 7, lines 6-61 of Helfman. While the cited section discusses lists, it is entirely directed toward the display of images from web pages, rather than displaying web pages from a list. For example, Helfman describes:

In process 106, the image for each image URL in the mapping list is retrieved.... Whenever an image has been completely retrieved, that image is placed on a list of completely retrieved images.

In process 108, montage application 88 displays the completely retrieved images from the list on the display of client 76 and maintains a list of the coordinates for each displayed image....

If a user selects an image by clicking at a coordinate within the image, montage application 88 determines the image URL for the selected image from the list of image coordinates maintained in process 108 and uses the mapping list constructed in process 104 to drive web browser 84 to the web page that contains the selected image at step 114.

[Helfman at column 7, lines 6-24.] Additionally, part of the cited section describes "using system 116 to display web page images and access the web pages associated with those images" [Helfman at column 7, lines 57-59.] As both of these sections describe, Helfman is directed toward the display of a plurality of images taken from a list of URLs, which then allow a user to cause a web browser to display a web page. Nowhere does Helfman describe using a

list of web page sites to activate a group of display areas to display web pages. Thus, Helfman does not describe the recited language of claim 25.

Helfman does not inherently describe display areas each displaying a web page from a list of web sites, either. As mentioned above, for an inherency rejection, the missing descriptive matter must be necessarily present in the reference. Applicants note, however, that Helfman only describes the display of images from web sites and it is not necessary to display web pages from a list of web sites in order to display these images. Thus, Helfman does not inherently describe the recited language of claim 25, nor does it explicitly describe it.

b Helfman's Passage About a Plurality of Images Does Not Describe a Plurality of Display Areas Configured to Independently Display a Web Page

Claim 25 also recites in part:

a display having a plurality of display areas configured to independently display a web page received by the computer; and
a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.

For reasons similar to those presented in the argument concerning display areas configured to display web pages for claim 1, above, as well as for the reasons presented above concerning display areas each displaying a web page, Helfman does not describe this claimed language. For this reason, as well as those above, the final rejection of claim 25 should be reversed.

2. Independent Claim 30 Is Not Anticipated by Helfman

Claim 30 also contains language that is not described in Helfman.

Claim 30 recites in part:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and
a display having a plurality of display areas, each display area configured to independently display a web page received by the computer.

For reasons similar to those presented for claims 1 and 25, Helfman does not describe the claimed language. For at least these reasons, the final rejection of claim 30 should be reversed.

3. Dependent Claims 26-29 and 31-35 Are Not Anticipated by Helfman

Claims 26-29 and 31-35 each depend from claim 25 or claim 30. For the sake of brevity, Applicants do not present separate arguments for all the dependent claims, which are allowable at least because their associated independent claims are allowable. The final rejection of claims 26-29 and 31-35 should be reversed.

D. Rejection of Claim 24 as Anticipated by Helfman Under § 102(e)

Helfman's passage on a plurality of images does not describe a plurality of display areas configured to independently display a web page. Claim 24 also contains language that is not described in Helfman.

Claim 24 recites in part:

a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer.

Claim 24 also recites in part:

a second software program configured to display the web pages in the non-overlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas.

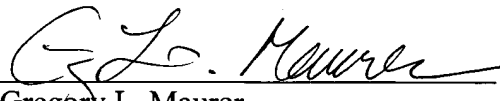
For reasons similar to those presented in the argument concerning display areas configured to display web pages for claim 1, above, Helfman does not describe the claimed language. For at least these reasons, the final rejection of claim 24 should be reversed.

IX. CONCLUSION

Helfman fails to describe each and every element of claims 1-35. Accordingly, the rejection of these claims should be reversed and all claims passed to issue.

Respectfully submitted,

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(91218.2)

APPENDIX A
CLAIMS ON APPEAL

1. A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having display controls and a plurality of non-overlapping display areas having adjustable sizes, the plurality of non-overlapping display areas having a collective size equal to the sum of the non-overlapping display areas, each non-overlapping display area having independent display area controls and configured to independently display a web page received by the computer; and

a sizing control operable by a user to adjust the sizes of the display areas simultaneously with one control action while maintaining the collective size of the plurality of non-overlapping display areas.

2. The display system of claim 1 wherein the computer system executes only one instance of a software program involved with sending the web page requests and receiving and displaying web pages.

3. The display system of claim 1 wherein the computer system includes a modem for accessing the network.

4. The display system of claim 1 wherein the computer system includes a network controller for accessing the network.

5. The display system of claim 1 wherein the display controls are configured to activate a group of the display areas to display a web page from a list of web page sites selected from a plurality of lists of web page sites, the computer configured to store the plurality of lists of web page sites.

6. The display system of claim 5 wherein the display controls include a control configured to designate a display area as not being part of the group of the display areas.

7. The display system of claim 5 wherein each display area of the group of display areas displays in a predetermined order a web page from the selected list of web page sites.

8. The display system of claim 7 wherein the selected list of web sites has a sequence and the predetermined order of display for one display area is different from the sequence of the selected list of web sites.

9. A display system for displaying web pages, the display system comprising:

a display having display controls and a plurality of non-overlapping display areas, each display area having independent display area controls and configured to independently display a web page, each display area having a size; and

a sizing control operable by a user to alter the sizes of the display areas simultaneously with one control action.

10. The system of claim 9, further including a software program configured to be executed in one instance to provide support including communications support for all of the display areas.

11. The system of claim 9 wherein the sizing control includes a graphical object on the display and the one control action is movement of the graphical object by the user using an input device.

12. The system of claim 9 wherein a total area of the plurality of non-overlapping display areas remains constant.

13. The system of claim 9 wherein the display controls of the display includes a designator control operable by a user to designate the number of the plurality of non-overlapping display areas.

14. The system of claim 9 wherein the display controls of the display comprises refresh, stop, home, and search controls.

15. The system of claim 9 wherein the independent display area controls each comprise controls selected from a list of controls comprising back, forward, stop, refresh, search, and web page selection.

16. The system of claim 9 wherein the web page include Internet web pages.

17. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a first display area into a second display area, the second display area configured to display a web page associated with the dropped uniform reference locator.

18. The system of claim 9 wherein the display controls of the display include a drag and drop control, the drag and drop control configured to drag and drop a uniform reference locator from a portion of the display other than the overlapping display areas into a display area, the display area configured to display a web page associated with the dropped uniform reference locator.

19. A method of displaying web pages comprising:
requesting web pages from web page sites;
receiving the requested web pages from web page sites;

displaying the requested web pages wherein the requested web pages are displayed in a non-overlapping manner in display area having a size;
changing the size of a first web page displayed in response to a sizing control command; and
resizing the web pages other than the first web page to maintain the size of the display area of all of the web pages.

20. The method of claim 19, further comprising:
dragging a uniform resource locator from a portion of the display;
dropping the uniform resource locator on to one of the displayed web pages; and
displaying a web page from a web page site associated with the uniform resource locator.

21. The method of claim 19, further including:
executing only one instance of a software program that manages the method of displaying web pages.

22. The method of claim 19 wherein requesting web pages is done with one control action for all requested web pages.

23. The method of claim 19, further comprising:
selecting a uniform resource locator with a single action of an input device controlling a cursor;
repositioning the cursor over one of the displayed web pages; and
displaying a web page from a web page site associated with the uniform resource locator.

24. A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of non-overlapping display areas configured to independently display a web page received by the computer;

a first software program configured to provide instructions to send the web page requests and to receive web pages with the computer system using only one instance of the software program; and

a second software program configured to display the web pages in the non-overlapping display areas while a plurality of web pages are independently displayed in the plurality of the non-overlapping display areas.

25. A display system for displaying web pages accessible via a network, the display system comprising:

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites;

a display having a plurality of display areas configured to independently display a web page received by the computer; and

a display control configured to activate a group of the display areas to each display a web page from a list of web page sites.

26. The display system of claim 25 wherein the display control is further configured to select the list of web page sites from a plurality of lists of web page sites, the computer system configured to store the plurality of lists of web page sites.

27. The display system of claim 25 wherein each display area of the group of display areas displays in a predetermined order a web page from the list of web page sites.

28. The display system of claim 25 wherein the list of web page sites has a sequence and each display area has a predetermined order of display of web page sites from the list of web page sites, the predetermined order of display for one display area being independent from the sequence of the list of web page sites.

29. A display system of claim 25 wherein the display control is configured to provide control of the group of the display areas, the control to be selected from a list of controls comprising sizing, refresh, stop, home, scrolling, and search controls.

30. A display system for displaying web pages accessible via a network, the display system comprising:

a data storage area to store a list of web page sites;

a computer system configured to send requests for web pages via the network to web page sites, the computer system configured to receive web pages via the network from web page sites based upon a selected list of the stored web page sites in the data storage area; and

a display having a plurality of display areas, each display area configured to independently display a web page received by the computer.

31. The display system of claim 30, further comprising a selection control configured to select a first set of web pages to be displayed in the display areas from the list of stored web page sites in the data storage area, the number of web pages of the first set being less than or equal to the number of display areas in the plurality of display areas, the selection control configured to subsequently select a second set of web pages to be displayed from the list of stored web page sites in the data storage area.

32. The display system of claim 31 wherein at least one of the web pages in the first set of web pages is also present in the second set of web pages.

33. The display system of claim 31, further comprising a display control configured to assign for display each web page from the first set of web pages to a selected

one of the plurality of display areas according to an order of the first set of web pages and an order of the display areas, the display control configured to subsequently assign for display each web page from the second set of web pages to the selected display area to replace the web page assigned from the first set of web pages.

34. The display system of claim 30, further comprising a scroll control configured to control an advancement of display of web pages from a list of web pages, the web pages being displayed on selected display areas of the plurality of display areas according to an order of the list, the scroll control sequentially shifting at least one web page from the selected display area to a different selected display area.

35. The display system of claim 34, further comprising a scroll lock control configured to designate a selected display area of the plurality of display areas for which no sequential shifting will occur.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 1997

Application or Docket Number

09 124468

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	23 minus 20 =	3
INDEPENDENT CLAIMS	3 minus 3 =	
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE ☐ OR

OTHER THAN SMALL ENTITY

RATE	FEE	RATE	FEE
	395.00		790.00
x\$11=		x\$22=	66
x41=		x82=	
+135=		+270=	
TOTAL		TOTAL	856

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	35 Minus	23	= 12
Independent	6 Minus	3	= 3
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
x\$11=	108	x\$22=	216
x41=	117	x82=	234
+135=		+270=	
TOTAL ADDIT. FEE	225	TOTAL ADDIT. FEE	450

BEST AVAILABLE COPY

(Column 1)

(Column 2)

(Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	35 Minus	35	=
Independent	6 Minus	6	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
x\$11=		x\$22=	
x41=		x82=	
+135=		+270=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	0 Minus	0	=
Independent	0 Minus	0	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
x\$11=		x\$22=	
x41=		x82=	
+135=		+270=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

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

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

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

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



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26119 7590 09/01/2004

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EXAMINER

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ART UNIT

PAPER NUMBER

2173

DATE MAILED: 09/01/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

TITLE OF INVENTION: WEB PAGE DISPLAY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$0	\$665	12/01/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26119 7590 09/01/2004

KLARQUIST SPARKMAN LLP
121 S.W. SALMON STREET
SUITE 1600
PORTLAND, OR 97204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

TITLE OF INVENTION: WEB PAGE DISPLAY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$0	\$665	12/01/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, CAO H	2173	715-788000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1	_____
2	_____
3	_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731
26119	7590	09/01/2004	EXAMINER	
KLARQUIST SPARKMAN LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND, OR 97204			NGUYEN, CAO H	
			ART UNIT	PAPER NUMBER
			2173	

DATE MAILED: 09/01/2004

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731
26119	7590	09/01/2004		
KLARQUIST SPARKMAN LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND, OR 97204			EXAMINER NGUYEN, CAO H	
			ART UNIT 2173	PAPER NUMBER

DATE MAILED: 09/01/2004

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because an increase in fees effective on October 1, 2004 is anticipated. See Revision of Patent Fees for Fiscal Year 2005; Proposed Rule, 69 Fed. Reg. 25861, 25863, 25864 (May 10, 2004).

The current fee schedule is accessible from WEB site (<http://www.uspto.gov/main/howtofees.htm>).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is proposed to be amended by revising paragraphs (a) through (c) to read as set forth below. As stated above, the final fee may be a different amount, and applicant should check the WEB site given above when paying the fee.

Section 1.18 Patent post allowance (including issue) fees.

- (a) Issue fee for issuing each original or reissue patent, except a design or plant patent:
 - By a small entity (Sec. 1.27(a))..... \$670.00
 - By other than a small entity..... \$1,340.00
- (b) Issue fee for issuing a design patent:
 - By a small entity (Sec. 1.27(a))..... \$245.00
 - By other than a small entity..... \$490.00
- (c) Issue fee for issuing a plant patent:
 - By a small entity (Sec. 1.27(a))..... \$325.00
 - By other than a small entity..... \$650.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Notice of Allowability

Application No.

09/124,468

Applicant(s)

DUPERROUZEL ET AL.

Examiner

Cao (Kevin) Nguyen

Art Unit

2173

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/03/04.
 2. ☒ The allowed claim(s) is/are 1-35.
 3. ☐ The drawings filed on _____ are accepted by the Examiner.
 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
 6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☒ to Paper No. 5.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1 ☒ Notice of References Cited (PTO-892)	2 ☐ Notice of Informal Patent Application (PTO-152)
3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	4 ☐ Interview Summary (PTO-413), Paper No. _____
5 ☒ Information Disclosure Statements (PTO-1449), Paper No. <u>11/28/03</u>	6 ☐ Examiner's Amendment/Comment
7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8 ☐ Examiner's Statement of Reasons for Allowance
	9 ☐ Other _____

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CAO (KEVIN) NGUYEN
PRIMARY EXAMINER

Notice of References Cited	Application/Control No. 09/124,468	Applicant(s)/Patent Under Reexamination DUPERROUZEL ET AL.	
	Examiner Cao (Kevin) Nguyen	Art Unit 2173	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims



Application No.

09/124,468

Examiner

Cao (Kevin) Nguyen

Applicant(s)

DUPERROUZEL ET AL.

Art Unit

2173

✓	Rejected
=	Allowed

—	(Through numeral) Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date			
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Bib Data Sheet

CONFIRMATION NO. 6731

SERIAL NUMBER 09/124,468	FILING DATE 07/28/1998 RULE	CLASS 345	GROUP ART UNIT 2173	ATTORNEY DOCKET NO. 520044.401	
APPLICANTS BRIAN GERARD DUPERROUZEL, SAN FRANCISCO, CA; ANGUS MCNAB CHASSELS IV, SAN FRANCISCO, CA; ** CONTINUING DATA ***** <i>mcnab</i> ** FOREIGN APPLICATIONS ***** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY ** ** 08/20/1998					
Foreign Priority claimed ☐ yes ☒ no 35 USC 119 (a-d) conditions met ☐ yes ☒ no ☐ Met after Allowance Verified and Acknowledged		STATE OR COUNTRY CA	SHEETS DRAWING 20	TOTAL CLAIMS 23	INDEPENDENT CLAIMS 3
ADDRESS 26119 KLARQUIST SPARKMAN LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND , OR 97204					
TITLE WEB PAGE DISPLAY SYSTEM					
FILING FEE RECEIVED 653	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: BEST AVAILABLE COPY		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue)		

Issue Classification 	Application No.	Applicant(s)	
	09/124,468	DUPERROUZEL ET AL.	
	Examiner	Art Unit	
	Cao (Kevin) Nguyen	2173	

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS	SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
715	788			715	790	797				
INTERNATIONAL CLASSIFICATION										
40	6	E	15/20							
			/							
			/							
			/							
			/							
				Total Claims Allowed: 35						
(Assistant Examiner) (Date) <i>Kim A. Jounalis</i> 8/30/04 (Legal Instruments Examiner) (Date)				CAO (KEVIN) NGUYEN PRIMARY EXAMINER (Primary Examiner) 8/16/04 (Date)						
				O.G. Print Claim(s) 1		O.G. Print Fig. 2				

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
1	1	31	31		61		121
2	2	32	32		62		122
3	3	33	33		63		123
4	4	34	34		64		124
5	5	35	35		65		125
6	6		36		66		126
7	7		37		67		127
8	8		38		68		128
9	9		39		69		129
10	10		40		70		130
11	11		41		71		131
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14	14		44		74		134
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19	19		49		79		139
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Search Notes

Application No.

09/124,468

Examiner

Cao (Kevin) Nguyen

Applicant(s)

DUPERROUZEL ET AL.

Art Unit

2173

SEARCHED

Class	Subclass	Date	Examiner
345	788, 790, 797, 764	8/21/2004	CN

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner
345	788	8/21/2004	CN

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
East search, NPL search	8/21/2004	CN

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26119

7590

09/01/2004

KLARQUIST SPARKMAN LLP
121 S.W. SALMON STREET
SUITE 1600
PORTLAND, OR 97204

10/07/2004 AKELECH2 00000029 09124468

01 FC:1501 1330.00 OP
02 FC:8001 9.00 OP

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Gregory L. Maurer

(Depositor's name)

G.L. Maurer

(Signature)

September 30, 2004

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,468	07/28/1998	BRIAN GERARD DUPERROUZEL	520044.401	6731

TITLE OF INVENTION: WEB PAGE DISPLAY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	~~\$665~~ 1330	\$0	~~\$665~~ 1330	12/01/2004
EXAMINER	ART UNIT	CLASS-SUBCLASS			
NGUYEN, CAO H	2173	715-788000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 KLARQUIST SPARKMAN, LLP

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Microsoft Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Redmond, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 3

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any additional ~~the required fee(s)~~ or credit any overpayment, to Deposit Account Number 02-4550 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☒ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*G.L. Maurer*Date 9/30/04

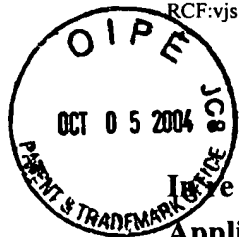
Typed or printed name

Gregory L. Maurer

Registration No. 43,781

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

Filed: July 28, 1998

Confirmation No. 6731

For: WEB PAGE DISPLAY SYSTEM

Examiner: Cao (Kevin) Nguyen

Art Unit: 2173

Attorney Reference No. 3382-65527-01

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I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP ISSUE FEE, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)Date Mailed September 30, 2004

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COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

TRANSMITTAL LETTER**Enclosed for filing in the above-referenced application are the following:**

- ☒ In connection with issuance of a patent:
 - ☒ Form PTOL-85b
- ☒ Letter to Official Draftsperson
 - ☒ Formal Drawings (20 sheets)
- ☒ Advance order of 3 copies (Fee \$9.00)
- ☒ Issue Fee (\$1,330.00)
- ☒ A check in the amount of \$1,339.00 to cover the above-listed fees.
- ☒ The Director is hereby authorized to charge any additional fees that may be required in connection with issuance of a patent, or credit over-payment, to Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

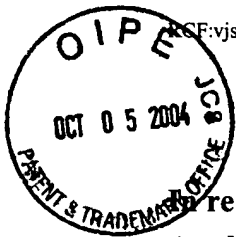
Respectfully submitted,

KLARQUIST SPARKMAN, LLP

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446
cc: Client
Docketing

By

Gregory L. Maurer
Registration No. 43,781



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of: Duperrouzel et al.

Application No. 09/124,468

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Attorney
for Applicant(s)

G. L. Maurer

Date Mailed September 30, 2004

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P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

LETTER TO THE OFFICIAL DRAFTSPERSON

Attached are 20 sheets of formal drawings for this application, with each sheet indicating the title, inventor's name, and application number on the front of each sheet and centered within the top margin, together with a copy of the Notice of Allowability.

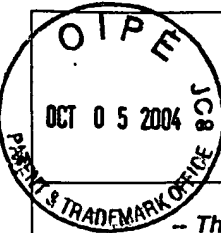
Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

G. L. Maurer
Gregory L. Maurer
Registration No. 43,781

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121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446



Notice of Allowability

Application No.	Applicant(s)	
09/124,468	DUPERROUZEL ET AL.	
Examiner	Art Unit	
Cao (Kevin) Nguyen	2173	

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to 06/03/04.
- 2. ☒ The allowed claim(s) is/are 1-35.
- 3. ☐ The drawings filed on _____ are accepted by the Examiner.
- 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 - 1. ☐ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
- 5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
- 6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☒ to Paper No. 5.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

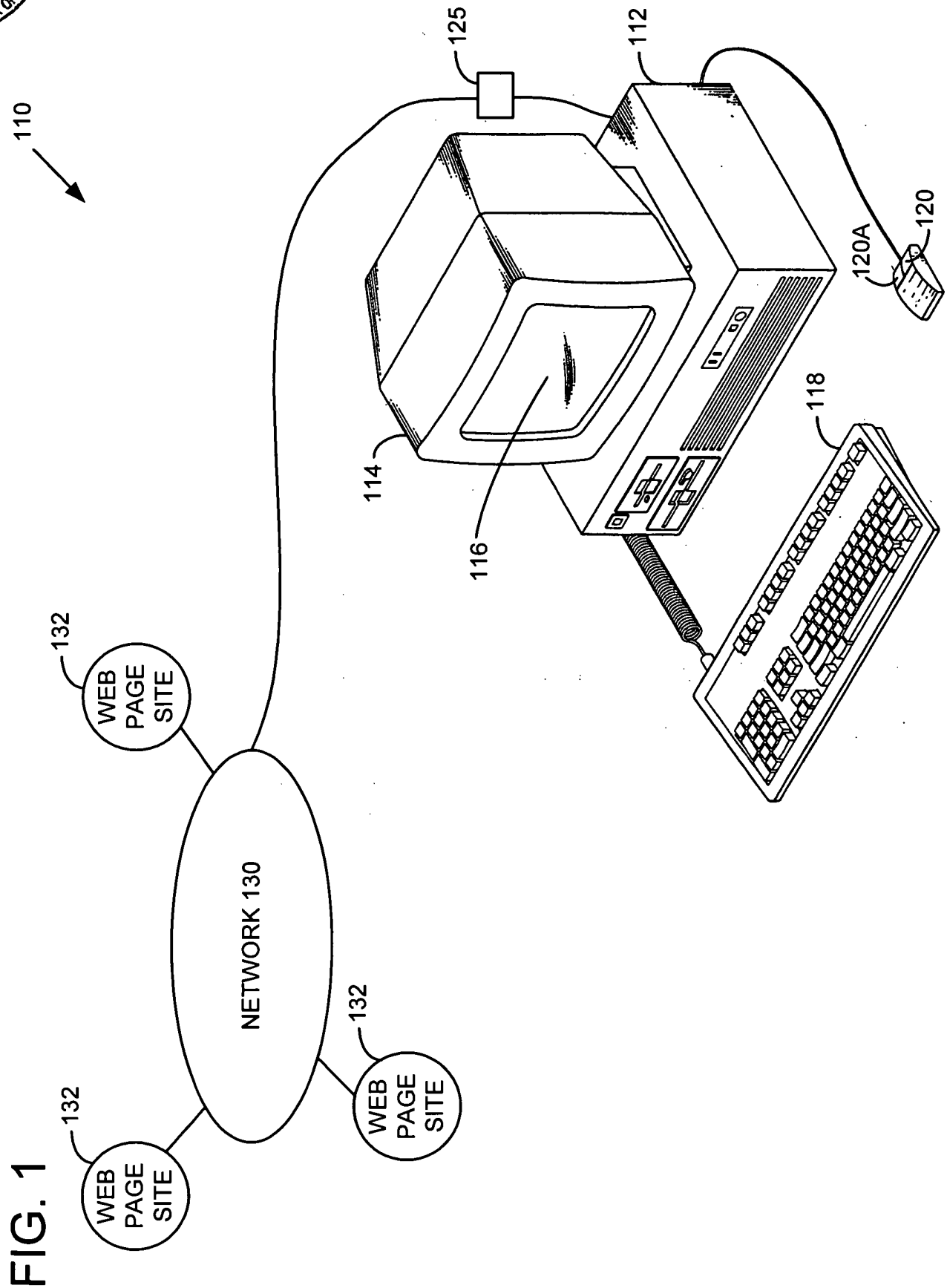
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

- 9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1 ☒ Notice of References Cited (PTO-892)
 - 3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
 - 5 ☒ Information Disclosure Statements (PTO-1449), Paper No. 11/28/03
 - 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 2 ☐ Notice of Informal Patent Application (PTO-152)
 - 4 ☐ Interview Summary (PTO-413), Paper No. _____
 - 6 ☐ Examiner's Amendment/Comment
 - 8 ☐ Examiner's Statement of Reasons for Allowance
 - 9 ☐ Other


CAO (KEVIN) NGUYEN
PRIMARY EXAMINER



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FIG. 2

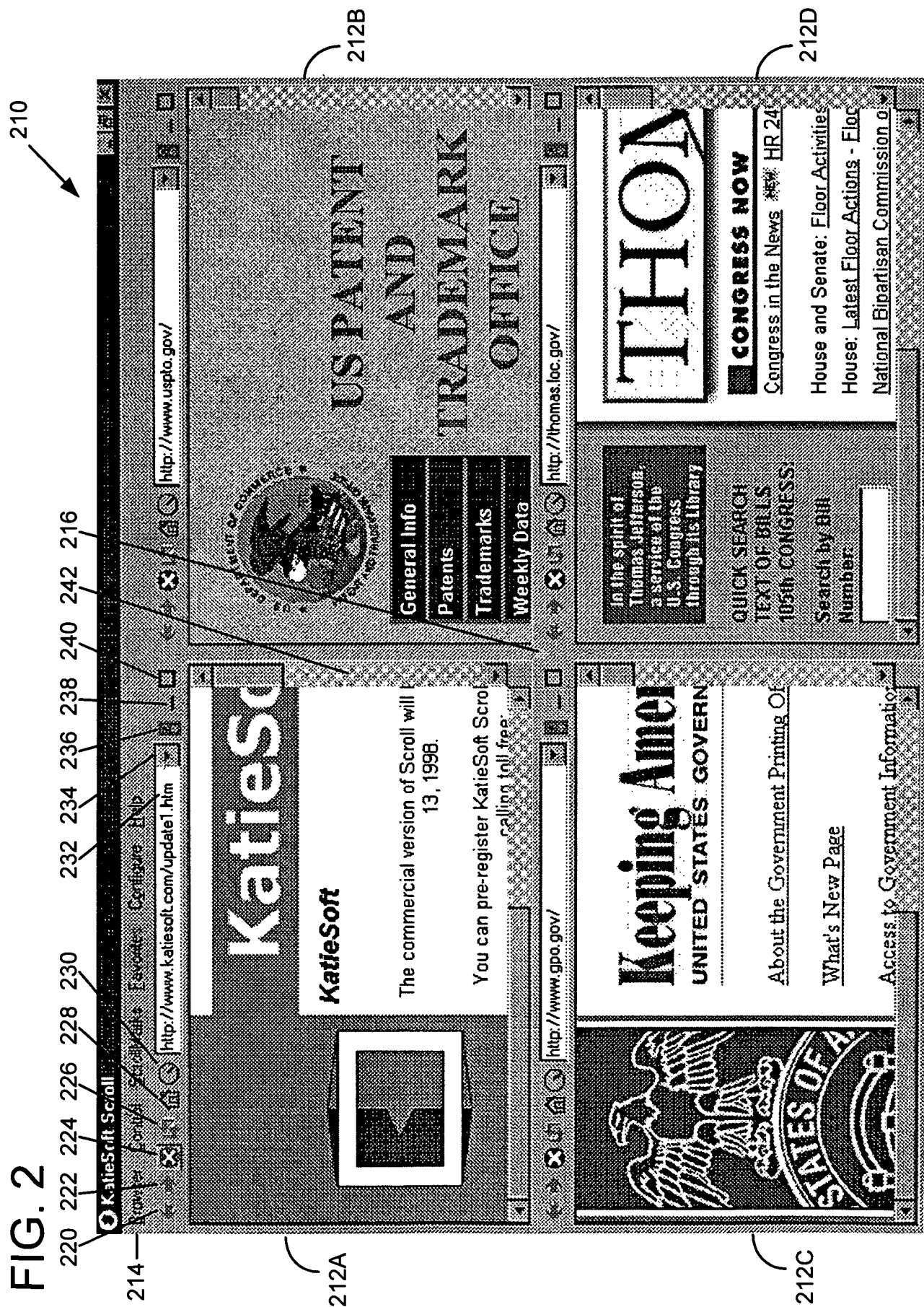


FIG. 3

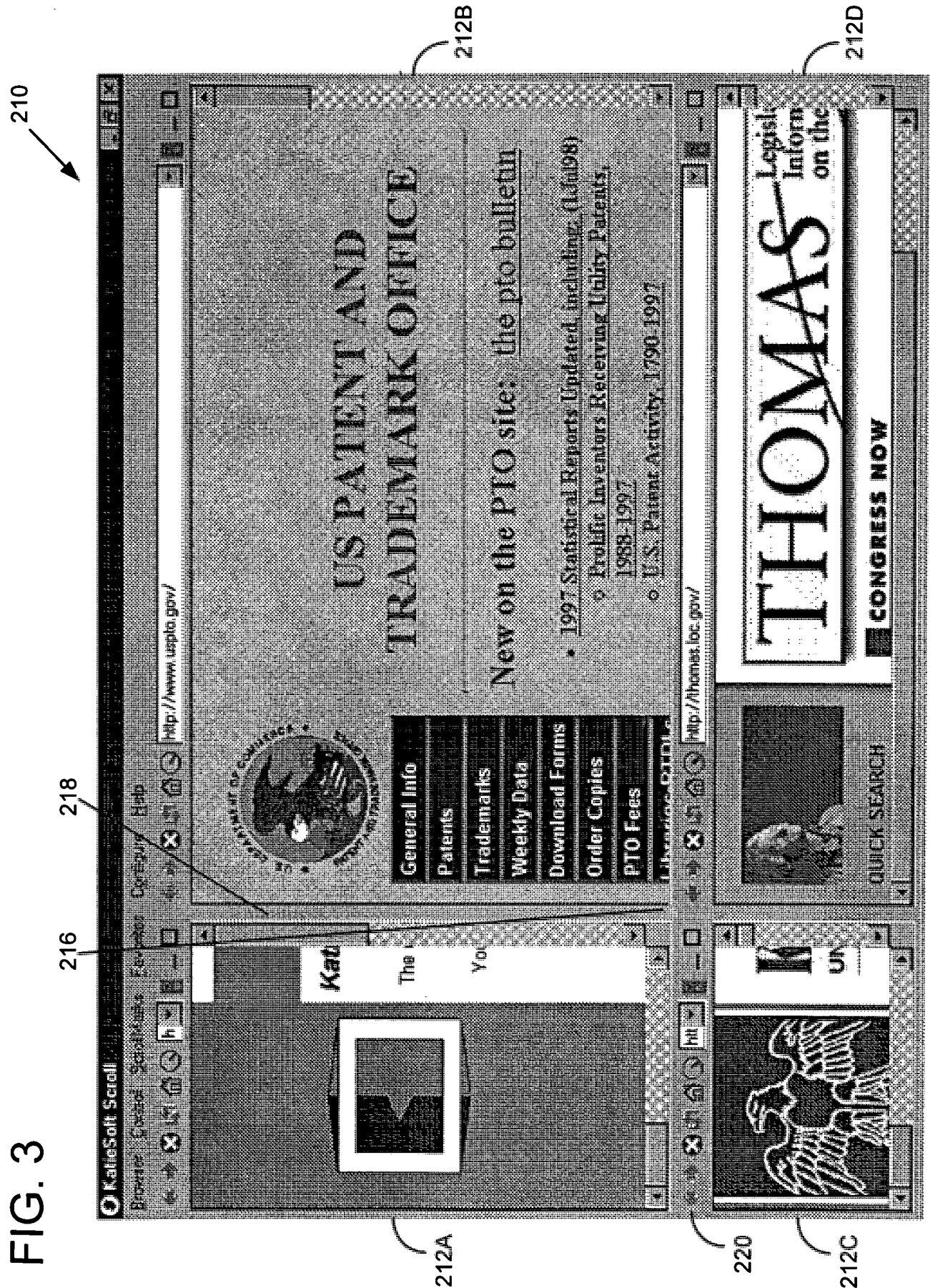


FIG. 4

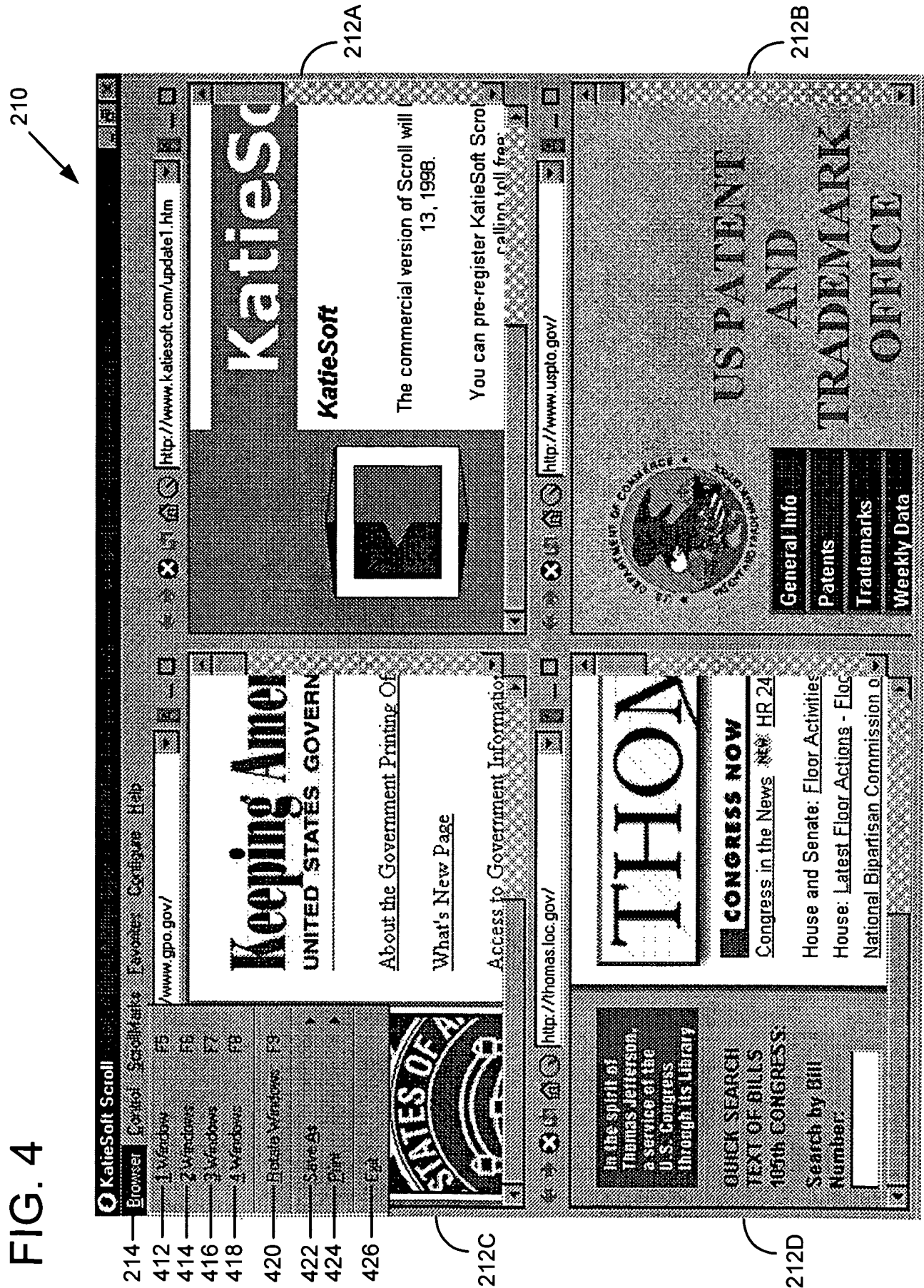


FIG. 5

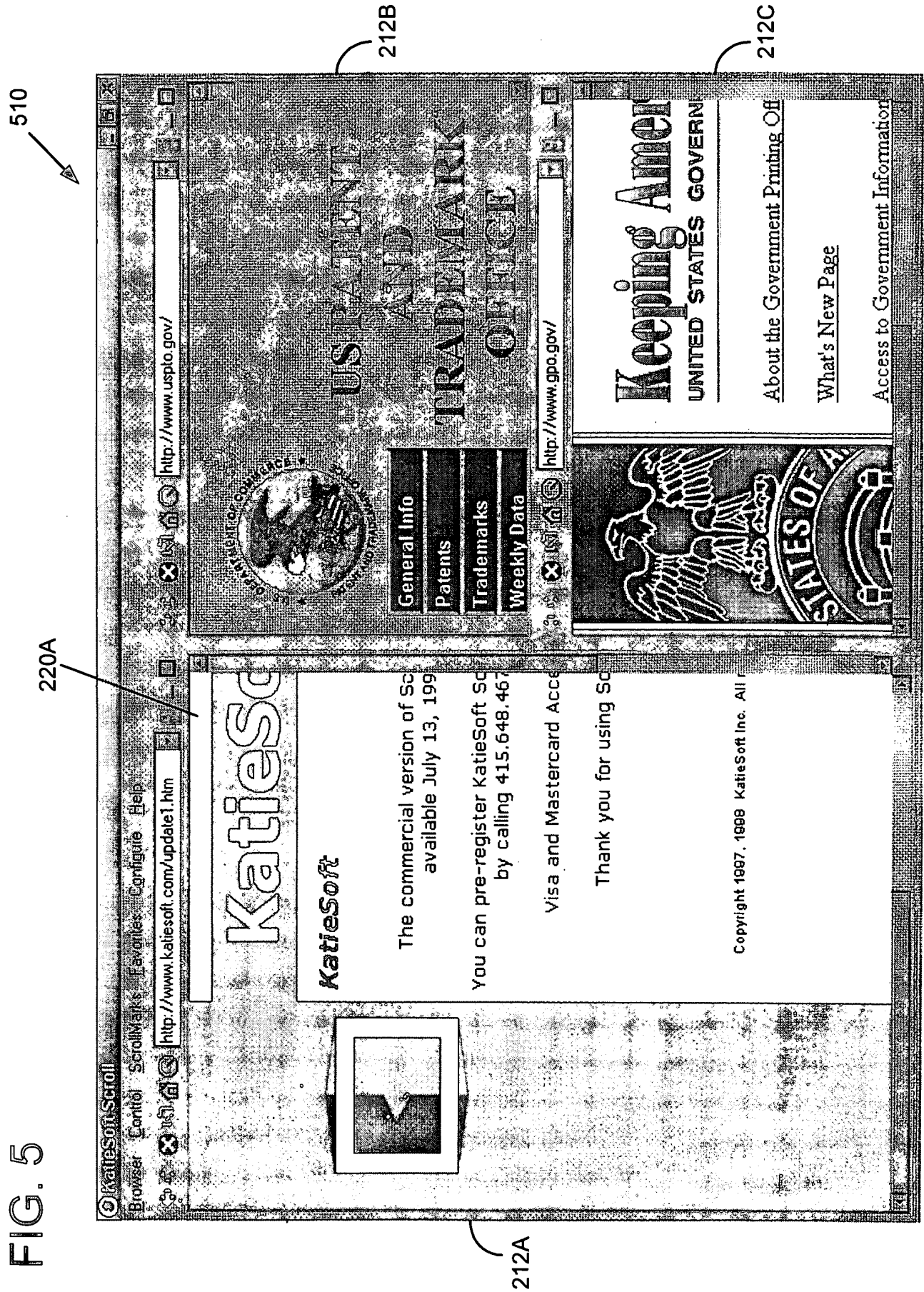
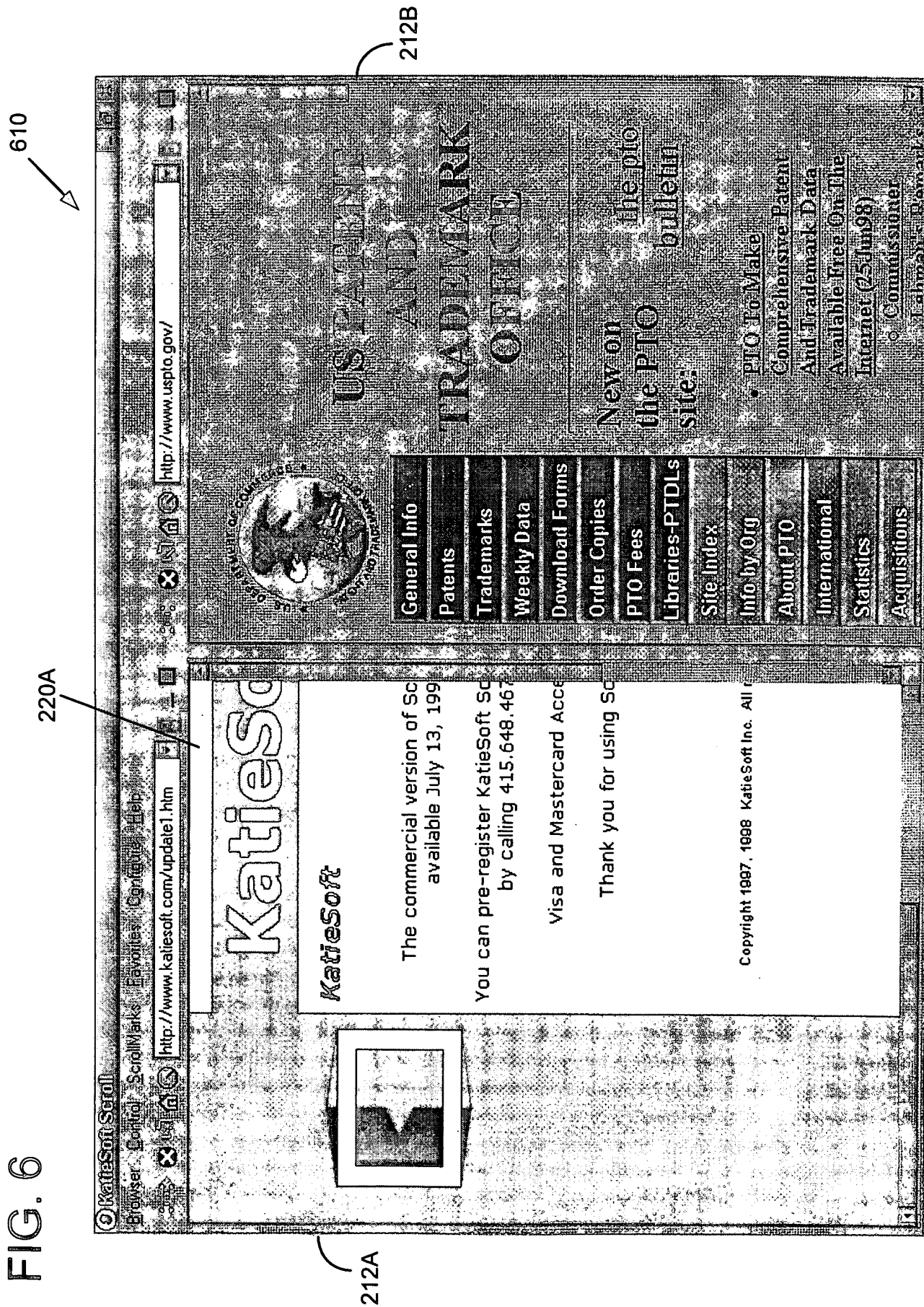


FIG. 6



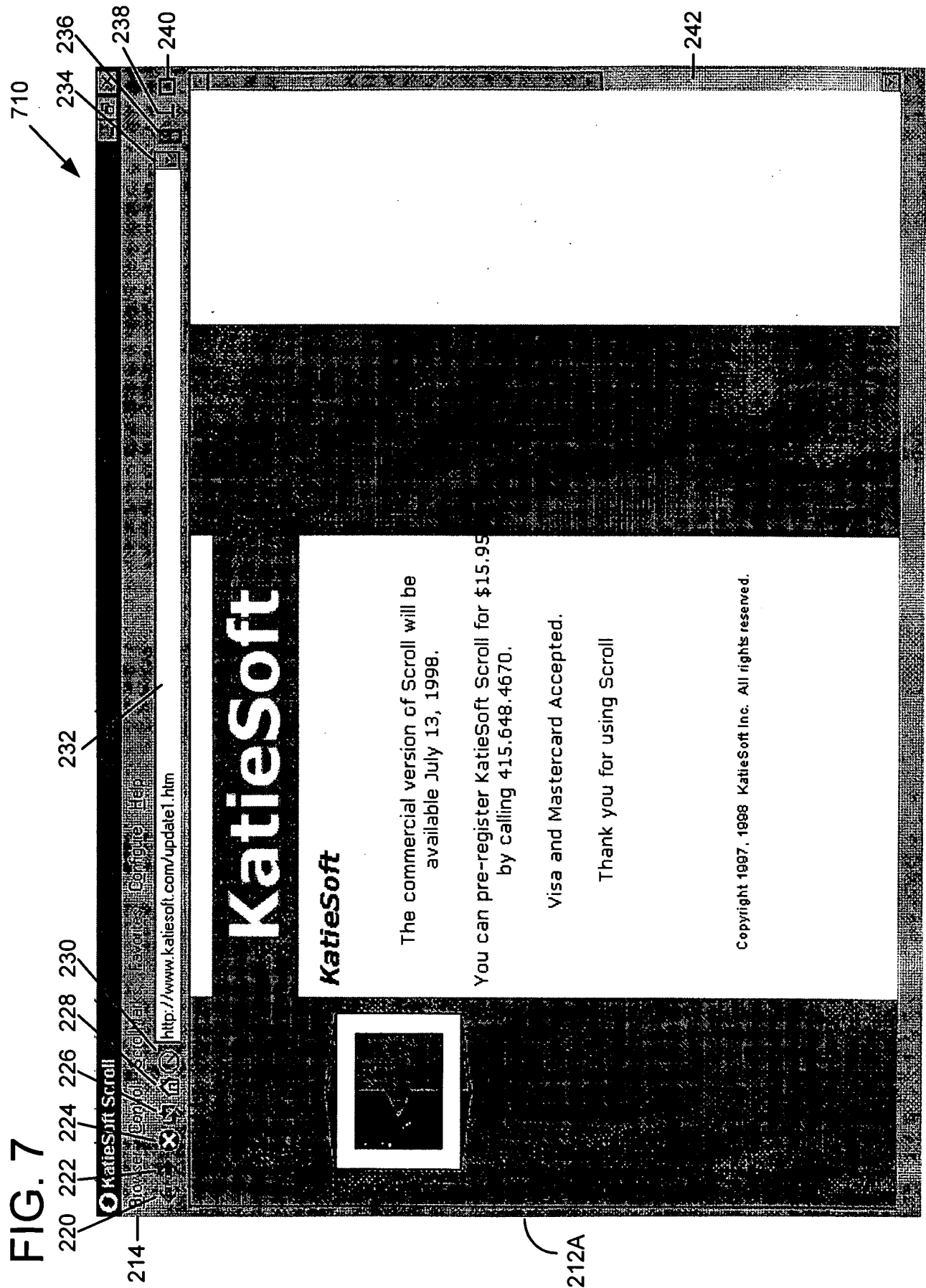


FIG. 8

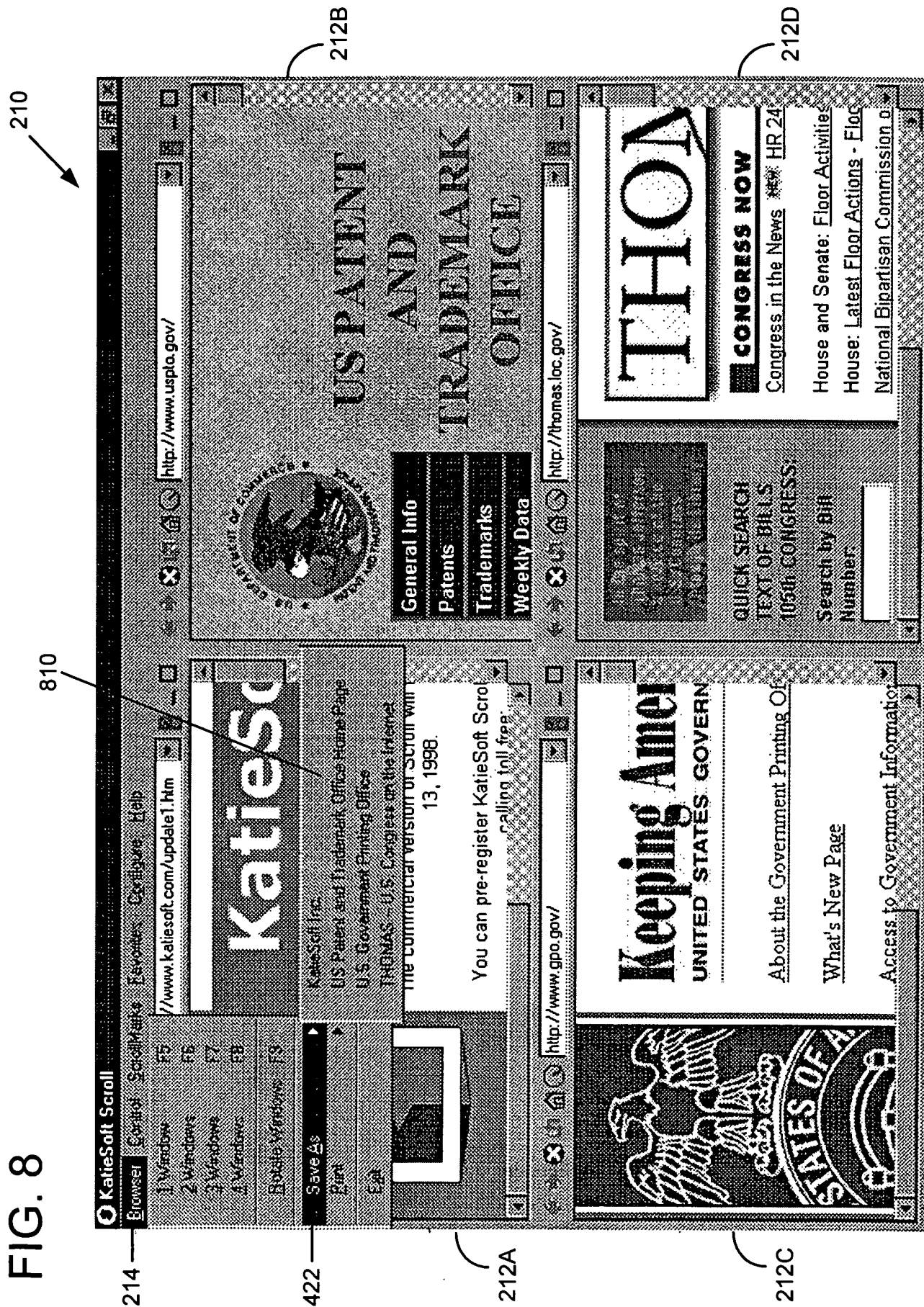
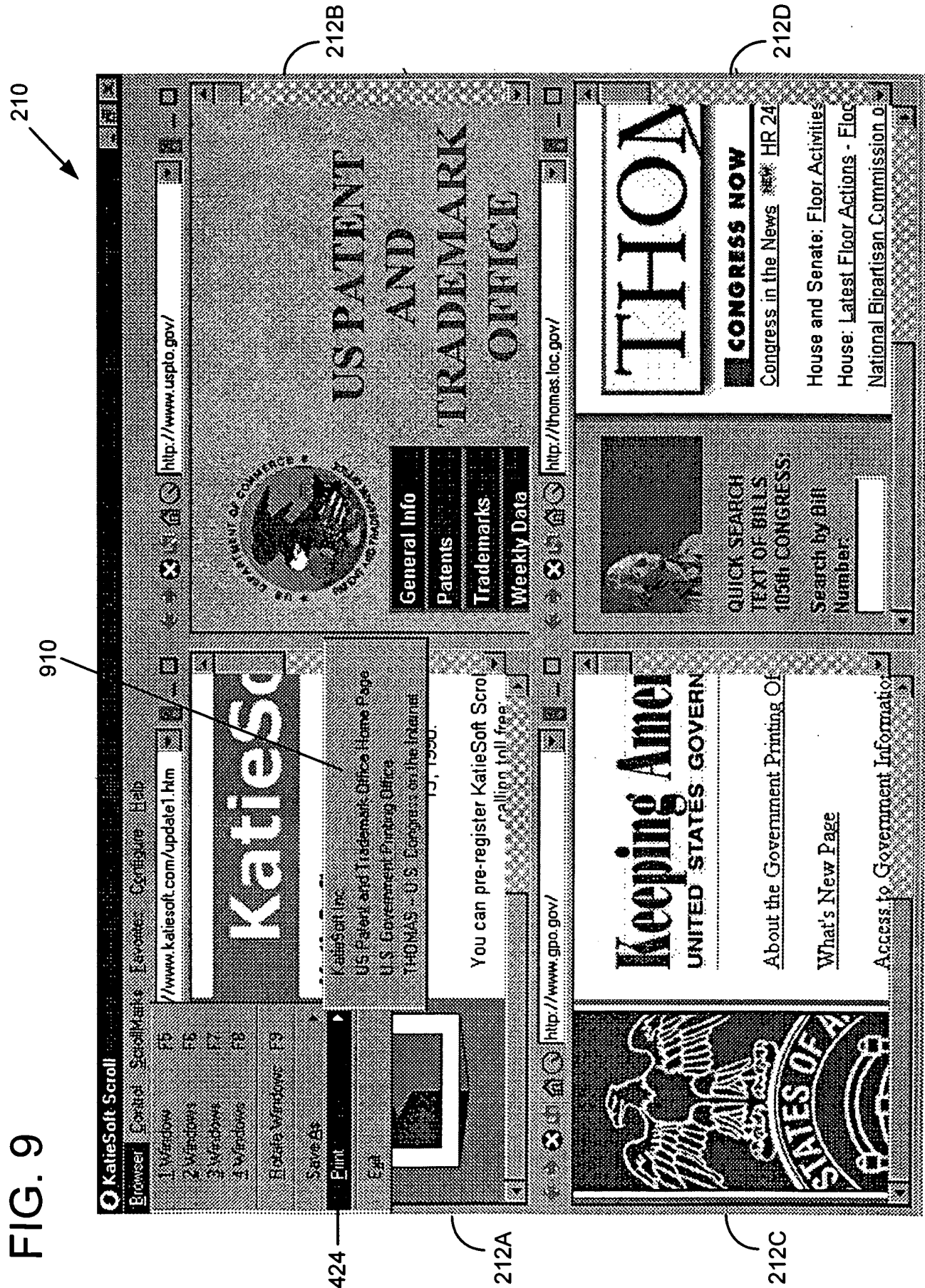
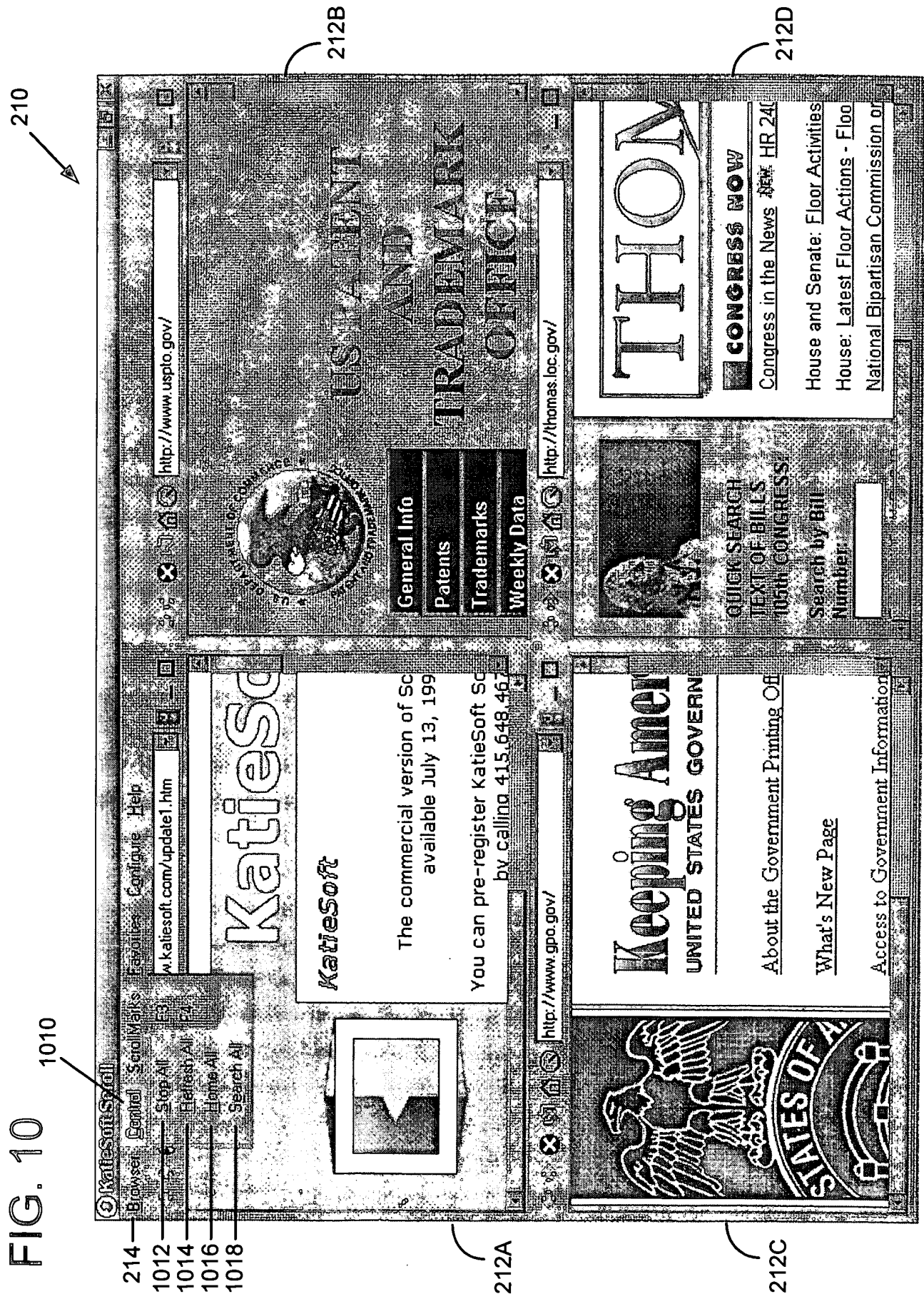


FIG. 9





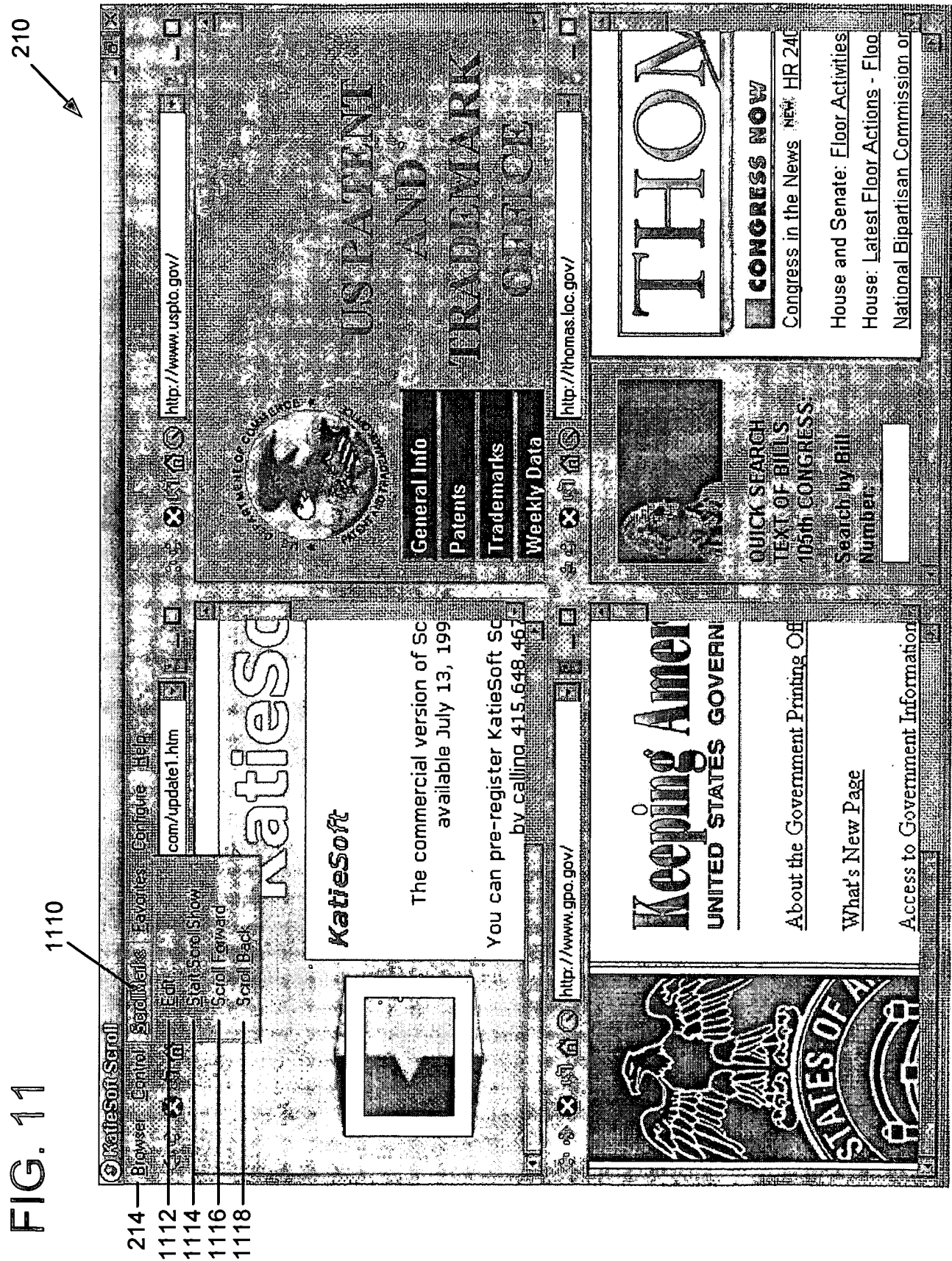


FIG. 12

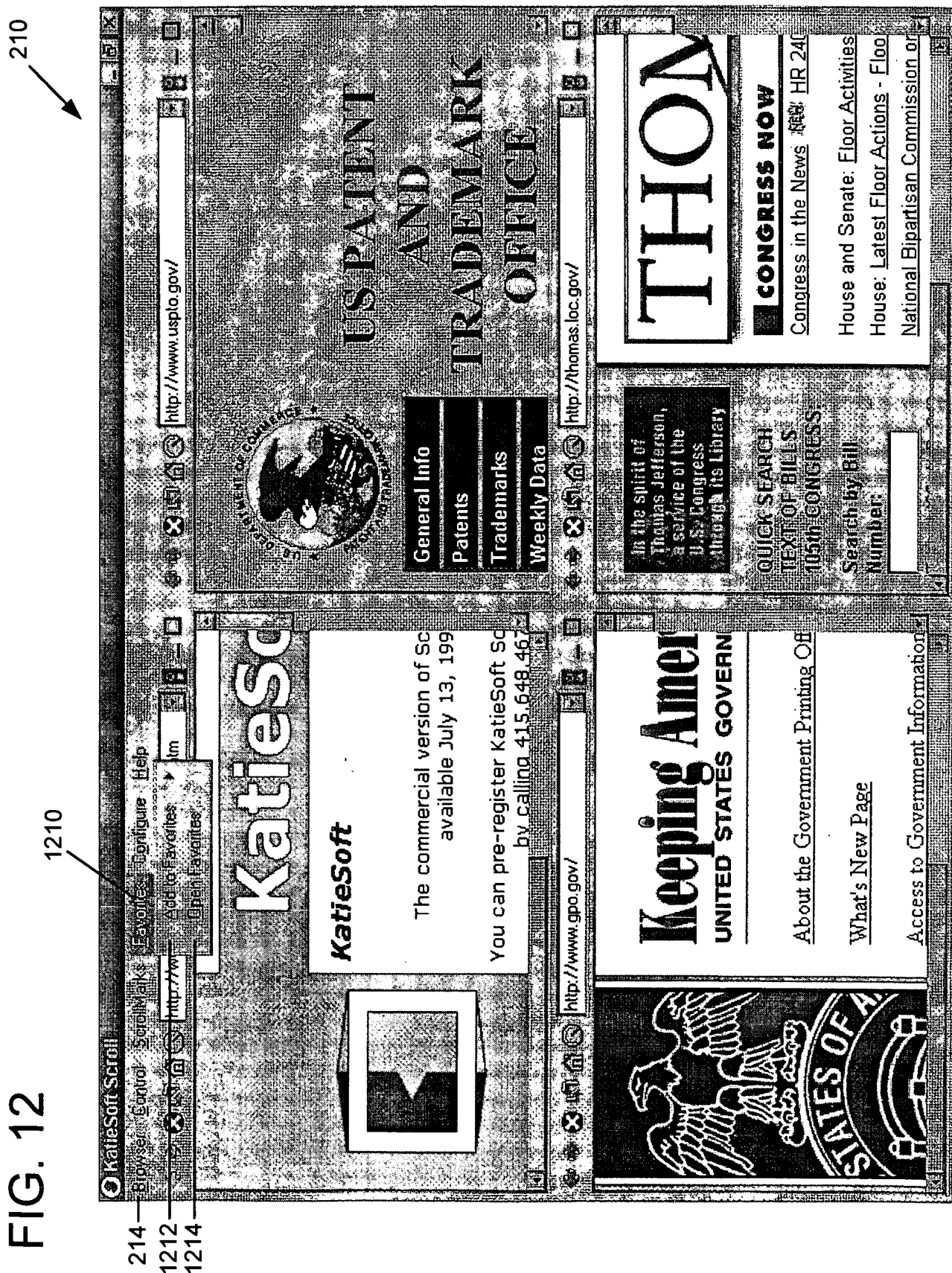


FIG. 13

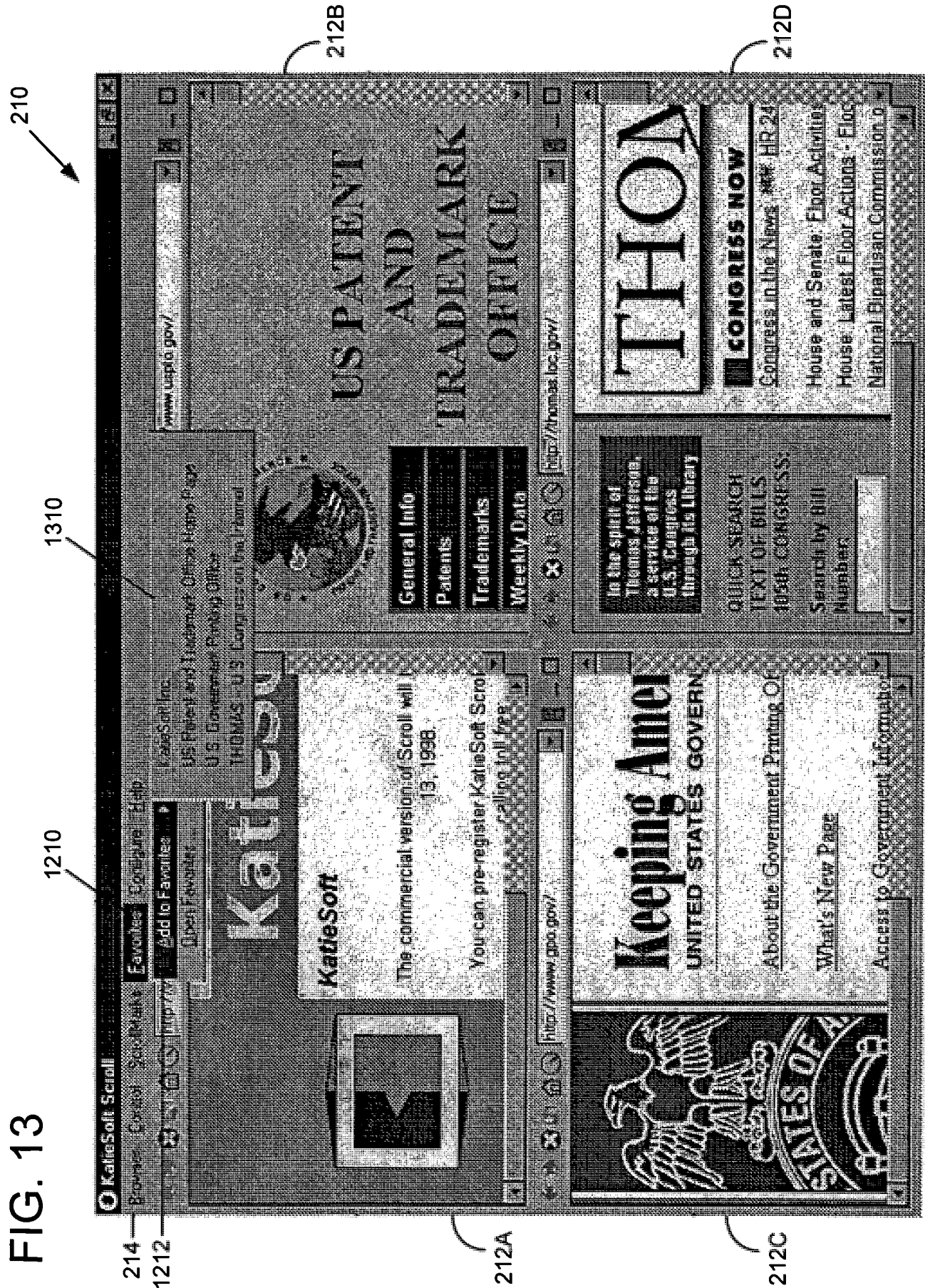


FIG. 14

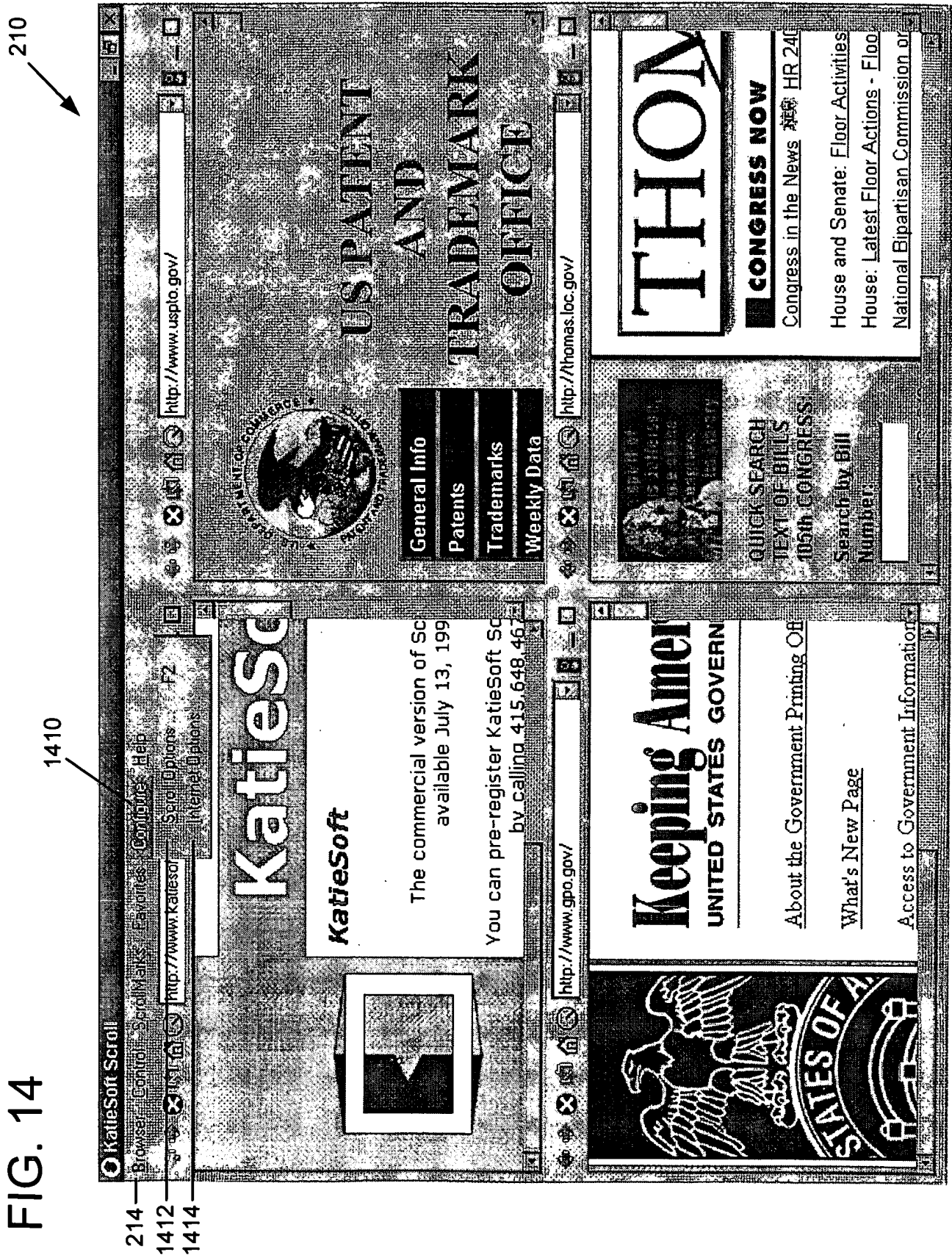


FIG. 15

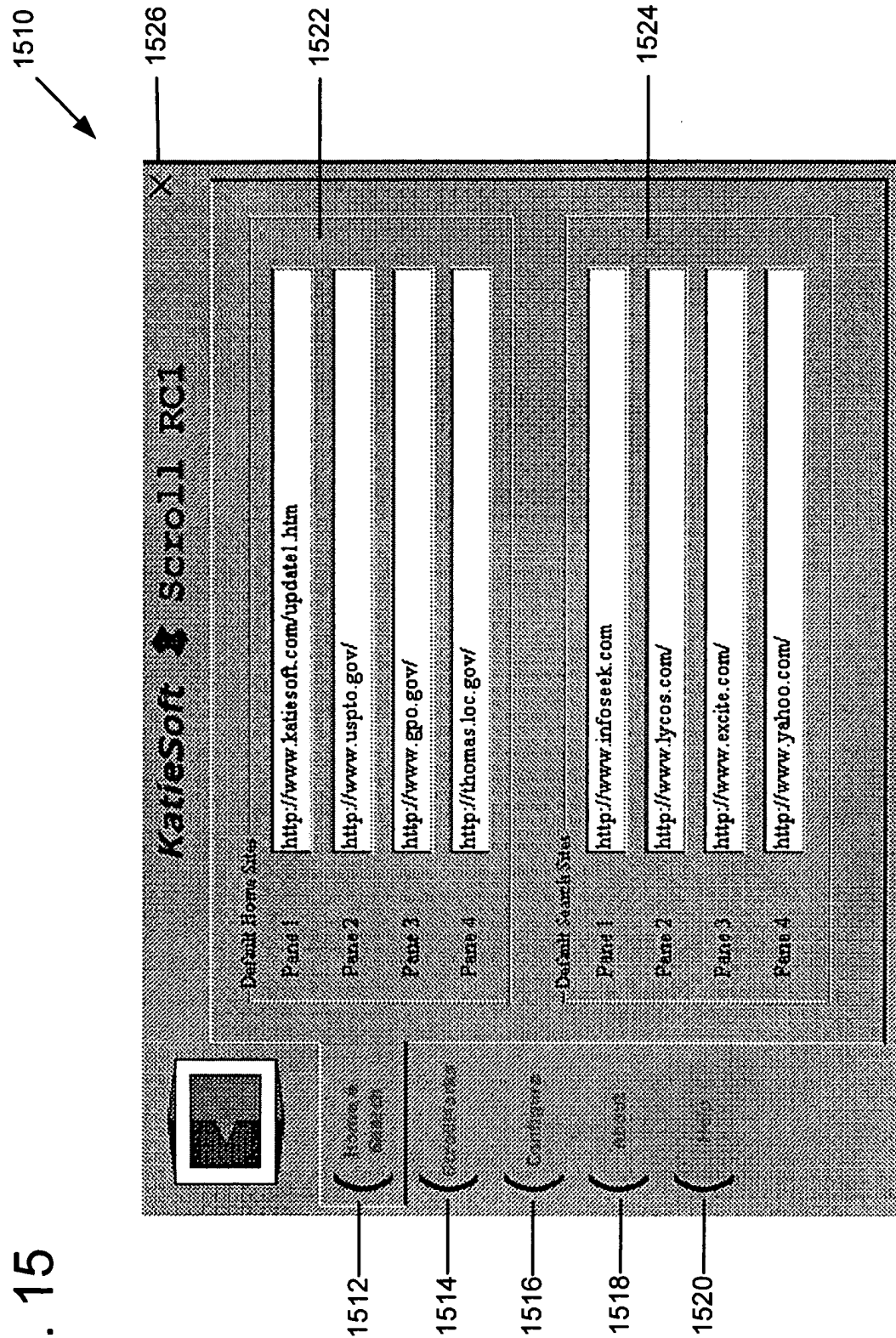


FIG. 16

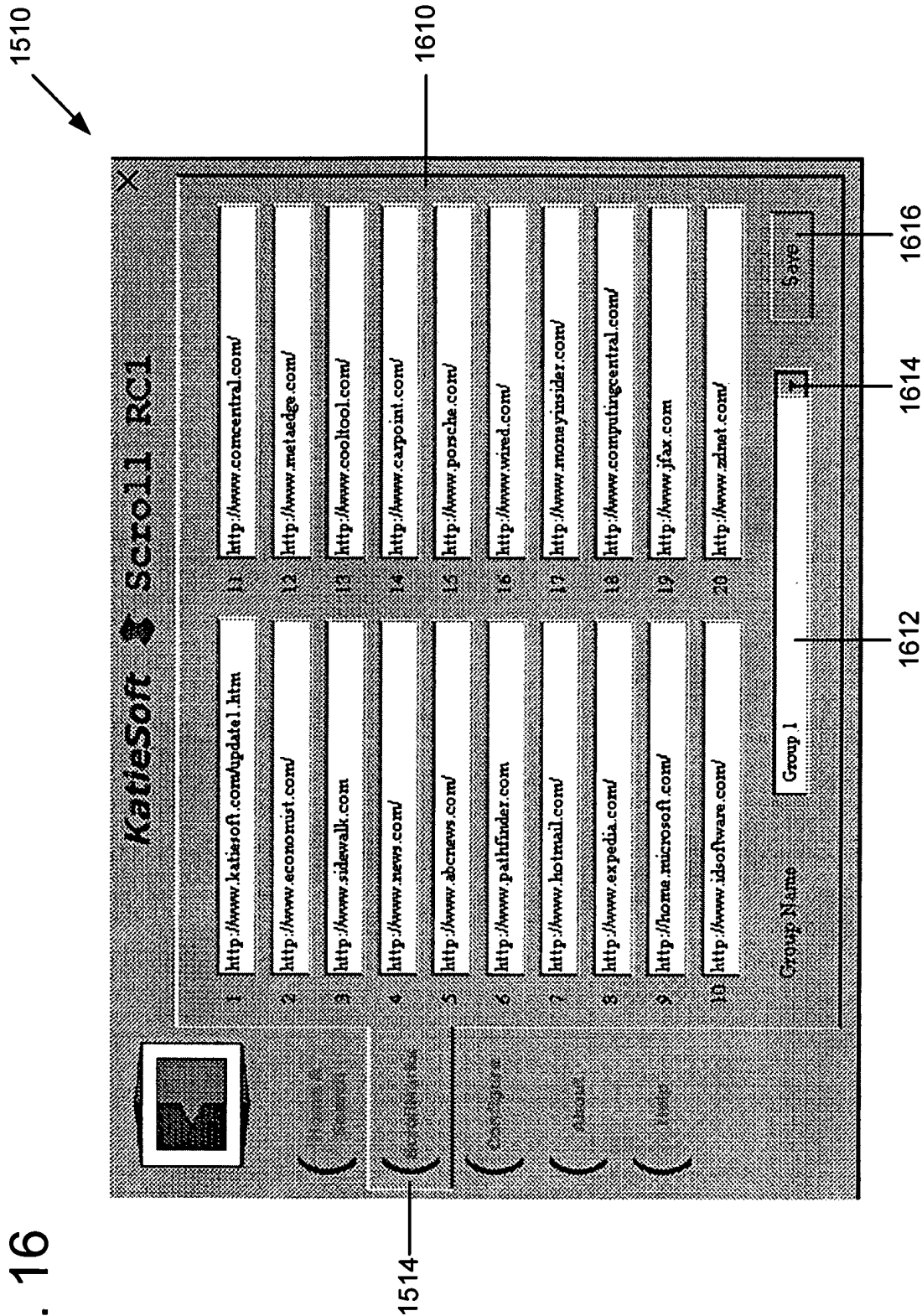


FIG. 17

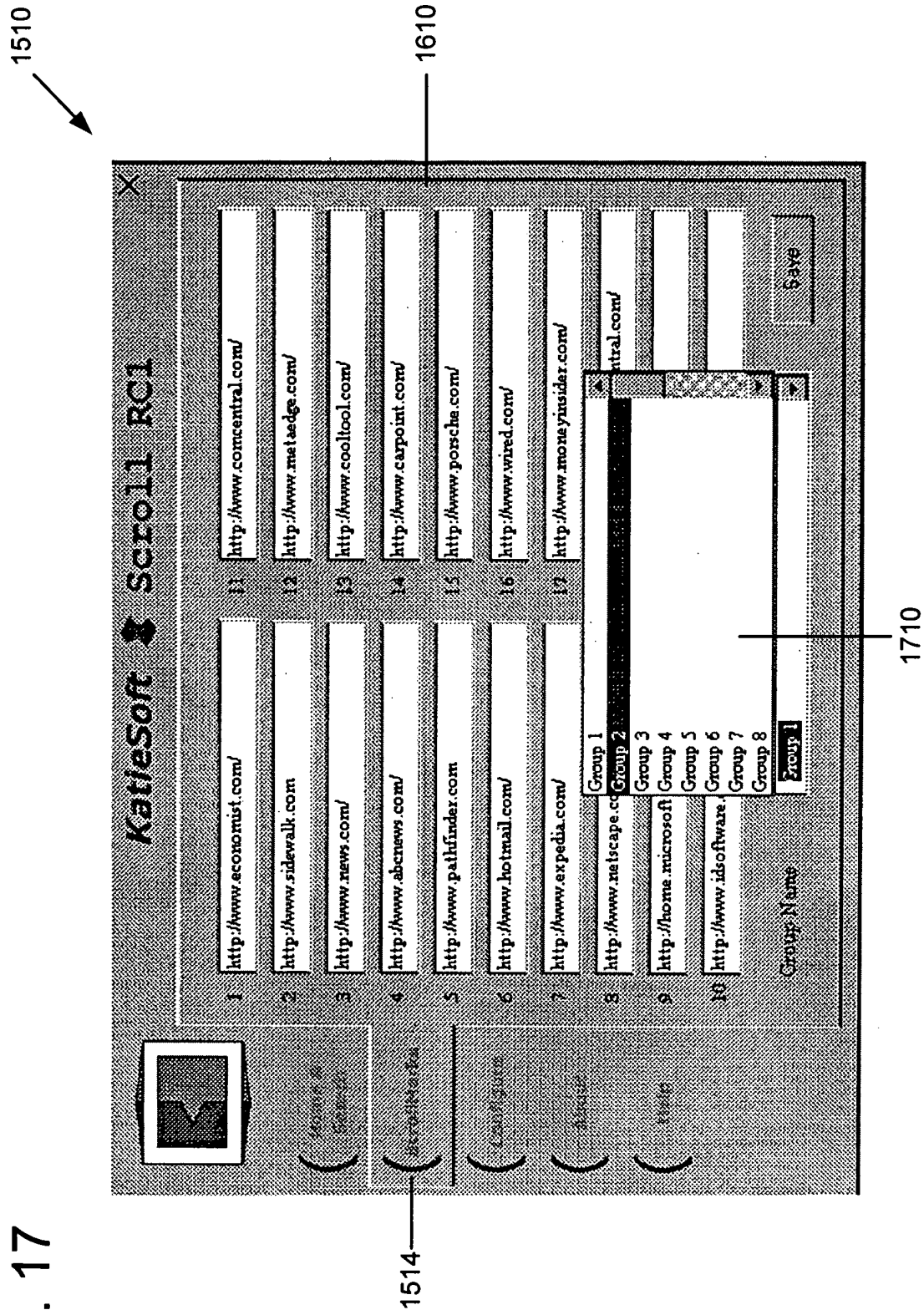


FIG. 18

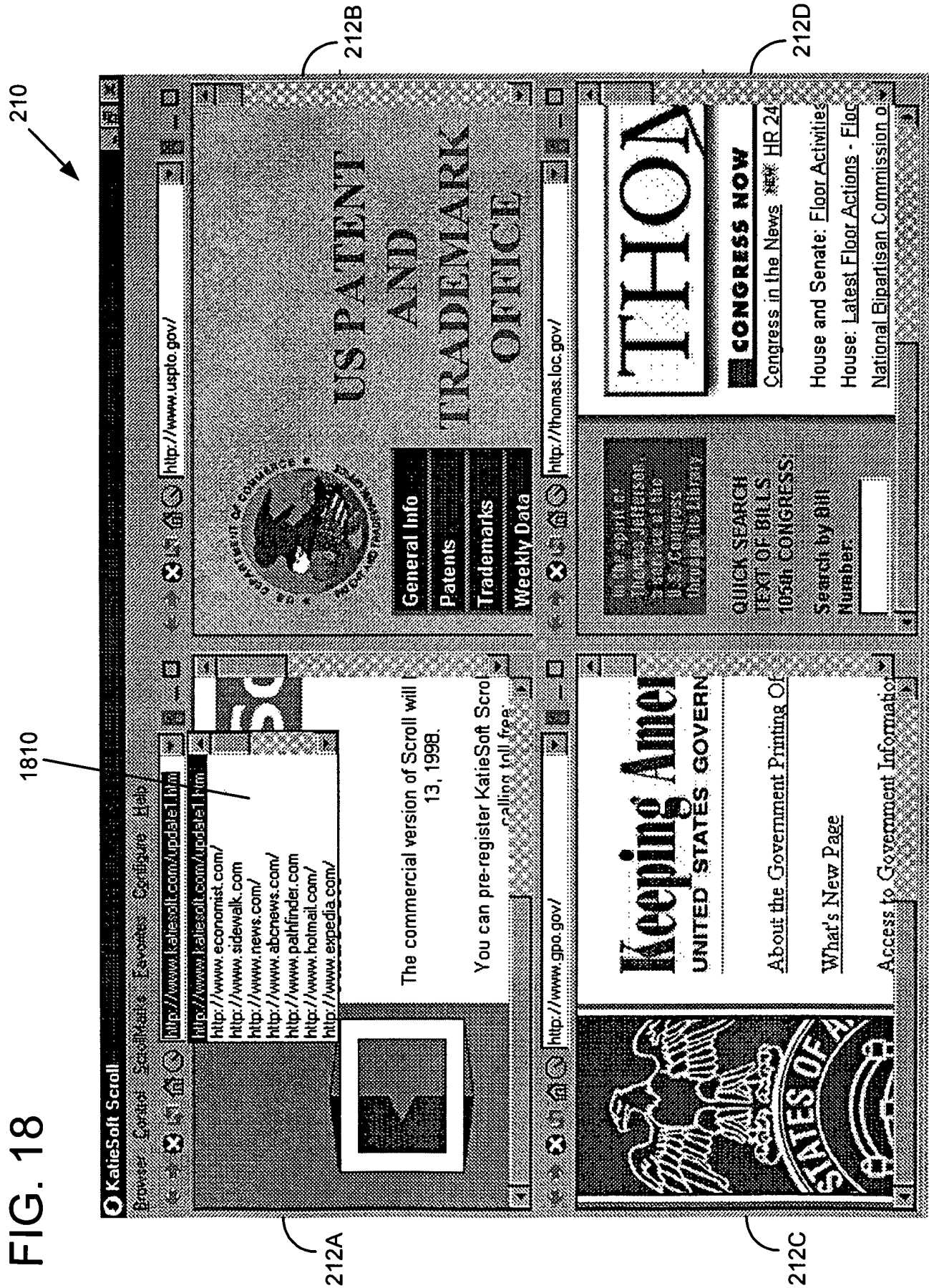
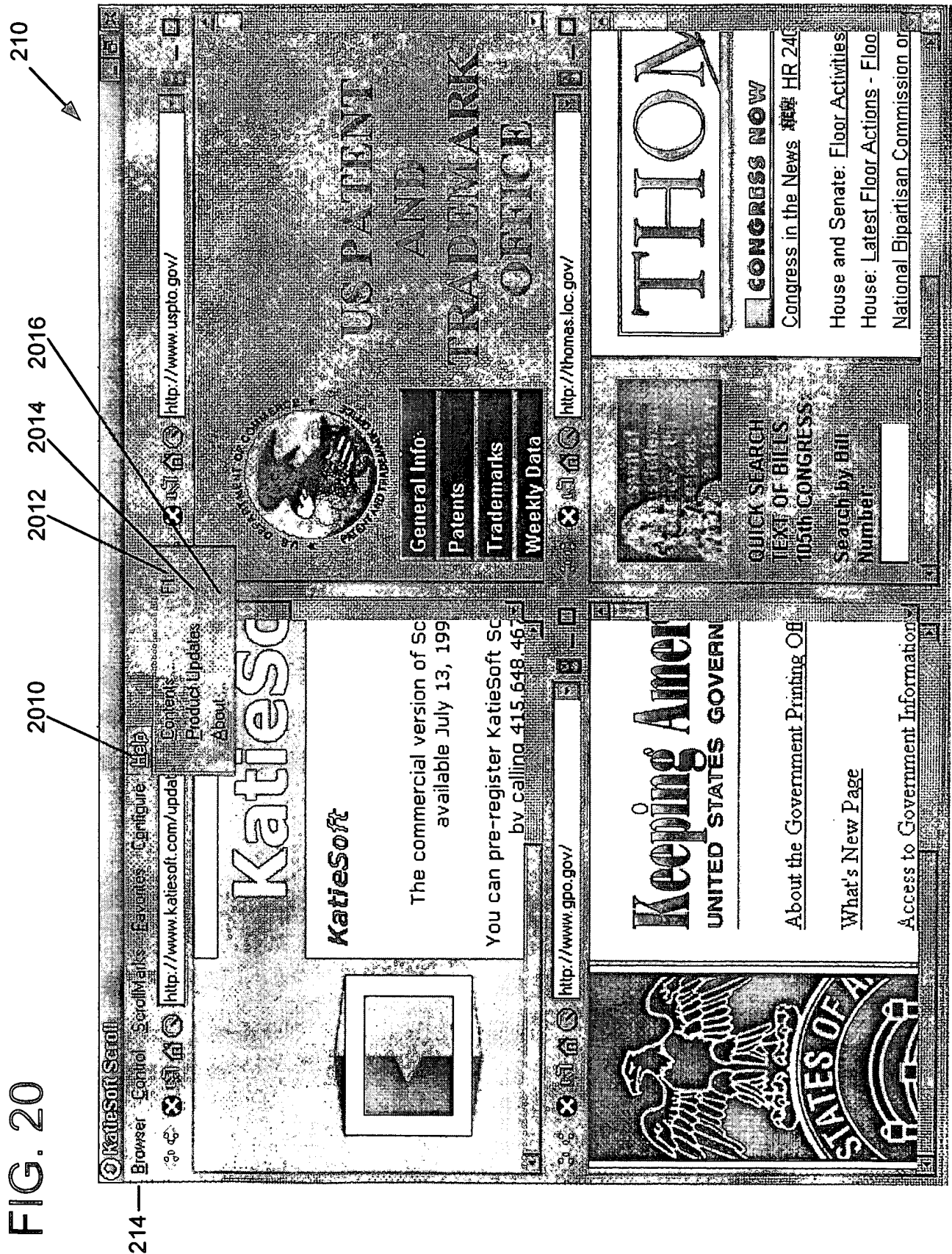


FIG. 20



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Examiner-GAU <u>Nguyen-2173</u>	Date <u>10/28/04</u>	Week Date _____	
No. of queries <u>1</u>			

Attn: Chief Draftsperson

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	(s) Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

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CONFIRMATION NO. 6731

SERIAL NUMBER 09/124,468	FILING DATE 07/28/1998 RULE	CLASS 715	GROUP ART UNIT 2173	ATTORNEY DOCKET NO. 520044.401

APPLICANTS

BRIAN GERARD DUPERROUZEL, SAN FRANCISCO, CA;

ANGUS MCNAB CHASSELS IV, SAN FRANCISCO, CA;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 08/20/1998

Foreign Priority claimed ☐ yes ☐ no	STATE OR COUNTRY CA	SHEETS DRAWING 20	TOTAL CLAIMS 23	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met ☐ yes ☐ no ☐ Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

ADDRESS

26119
KLARQUIST SPARKMAN LLP
121 S.W. SALMON STREET
SUITE 1600
PORTLAND, OR
97204

TITLE

WEB PAGE DISPLAY SYSTEM

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duperrouzel et al.

Application No. 09/124,468

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Examiner: Cao H. Nguyen

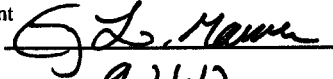
Art Unit: 2173

Attorney Reference No. 3382-65527-01

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Attorney or Agent
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Date E-Filed

9.21.12

Submitter's City/State: Portland, Oregon

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Please address all future correspondence in this case to Customer Number **22971**.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 595-5300
Facsimile: (503) 595-5301
cc: Client
Docketing

By


Gregory L. Maurer
Registration No. 43,781

Electronic Acknowledgement Receipt

EFS ID:	13804561
Application Number:	09124468
International Application Number:	
Confirmation Number:	6731
Title of Invention:	WEB PAGE DISPLAY SYSTEM
First Named Inventor/Applicant Name:	BRIAN GERARD DUPERROUZEL
Customer Number:	26119
Filer:	Gregory L. Maurer/Kristina Bushey
Filer Authorized By:	Gregory L. Maurer
Attorney Docket Number:	3382-65527-01
Receipt Date:	21-SEP-2012
Filing Date:	28-JUL-1998
Time Stamp:	12:00:10
Application Type:	Utility under 35 USC 111(a)

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

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

New International Application Filed with the USPTO as a Receiving Office

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