

1525 U.S.
09/574375
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345	716
Class	Subclass
ISSUE CLASSIFICATION	

PATENT NUMBER
6714215



6714215

U.S. UTILITY Patent Application

1 RW SCANNED <i>CH</i>	O.I.P.E. Q.A. <i>AME</i>	PATENT DATE MAR 30 2004
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APPLICATION NO.	CONT/PRIOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
09/574375		345	<u>716</u>	2773	<i>Ray J. Bayerl</i>

APPLICANTS
William Flora
Robert Parkin
Christopher Fox
Gregory Slayden

Certificate

JUN 28 2005

TITLE
System and method for displaying media interactively on a video display device

of Correction PTO-2040 12/99

ISSUING CLASSIFICATION							
ORIGINAL		CROSS REFERENCE(S)					
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
345	716	345	859	862	838		
INTERNATIONAL CLASSIFICATION		715	501.1				
G06F	3/14						

Continued on Issue Slip inside File Jacket

<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg. 6	Figs. Drwg. 6	Print Fig. 3	Total Claims 19	Print Claim for O.G. 1
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.	 _____ (Assistant Examiner) 			NOTICE OF ALLOWANCE MAILED	
<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____				<i>10/17/03</i>	
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.	RAYMOND J. BAYERL PRIMARY EXAMINER ART UNIT 2173 <i>Ray J. Bayerl</i> (Primary Examiner)			ISSUE FEE <i>OW</i> Amount Due <i>\$1330</i>	Date Paid <i>12-15-03</i>
	<i>Brian Kelly</i> (Legal Instruments Examiner)			ISSUE BATCH NUMBER	

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ISSUE FEE IN FILE

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PATENT APPLICATION



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INITIALS _____

CONTENTS

	Date Received (Incl. C. of M.) or Date Mailed	Date Received (Incl. C. of M.) or Date Mailed
1. Application <u>6</u> papers.		
2. <u>Rej 3/4/03</u>	<u>3/4/03</u>	
3. <u>Amitt A</u>	<u>10/25/03</u>	
4. <u>Final Rej. 3/4/03</u>	<u>2/22/03</u>	
5. <u>Amitt B</u>	<u>4/24/03</u>	
6. <u>Allowance</u>	<u>10/17/03</u>	
7. <u>Drawings (6 sheets) set</u>	<u>12/3/03</u>	
8. <u>2900</u>	<u>4/4/03</u>	
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ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	J.E.	20000000000000	
O.I.P.E. CLASSIFIER	HW		
FORMALITY REVIEW	AA	SC 825	07/14/00
RESPONSE FORMALITY REVIEW			

INDEX OF CLAIMS

✓ Rejected N Non-elected
 ○ Allowed I Interference
 (Through numeral)... Canceled A Appeal
 ✕ Restricted O Objected

Claim	Final	Original	Date
1	✓	✓	
2	✓	✓	
3	✓	✓	
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If more than 150 claims or 10 actions
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SEARCHED

Class	Sub.	Date	Exmr.
345	856 854 716-718 859-862 835 839 838 711 764 968 808 809 730	24 Mar 03	RB
715	501.1 500.1		
340	990 995		
707	104.1		
Update All	Search Above Subcl	22 Jun 03	RB
Update All	Search Above Subcl	9 Oct 03	RB

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.
345	716-718 764 808-809 835 838 854 856 859-862	9 Oct 03	RB
715	500.1 501.1		
340	990 995		

SEARCH NOTES
(INCLUDING SEARCH STRATEGY)

EAST Search	Date	Exmr.
Files USPAT PG PUB ISR/BRS Query Image Browse	24 Mar 03	RB
EAST Search Update of above Query term; Image browse	22 Jun 03	RB
EAST Search Update query; Image Browse	9 Oct 03	RB

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PATENT APPLICATION SERIAL NO. _____

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

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PTO-1556
(5/87)

*U.S. GPO: 1999-459-082/10144



Bib Data Sheet



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Patent and Trademark Office

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

SERIAL NUMBER 09/574,375	FILING DATE 05/19/2000 RULE	CLASS 345	GROUP ART UNIT 2773	ATTORNEY DOCKET NO. 06576.105004(MS#150434.1)
APPLICANTS William T. Flora, Seattle, WA ; Robert Edward Parkin, Redmond, WA ; Christopher R. Fox, Seattle, WA ; Gregory R. Slayden, Kirkland, WA ;				
** CONTINUING DATA ***** NONE RB				
** FOREIGN APPLICATIONS ***** NONE RB				
IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 07/14/2000				
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY WA	SHEETS DRAWING 6	TOTAL CLAIMS 14 INDEPENDENT CLAIMS 2
Verified and Acknowledged	Examiner's Signature <i>[Signature]</i>	Initials RB		
ADDRESS King & Spalding 191 Peachtree Street N E 45th Floor Atlanta ,GA 30303				
TITLE System and method for displaying media interactively on a video display device				
FILING FEE RECEIVED 690	FEES: Authority has been given In Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

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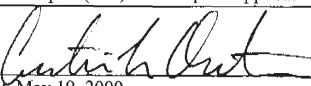
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 05/19/00

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	<i>Title of Invention</i>	System and Method for Displaying Media Interactively on a Video Display Device
	<i>Named Inventor(s)</i>	William T. Flora, Robert Edward Parkin, Christopher R. Fox, and Gregory R. Slayden
	<i>Attorney Docket</i>	06576.105004 (MS#150434.1)
	<i>Express Mail Label No.</i>	EE108487428US

05/19/00

APPLICATION ELEMENTS	Assistant Commissioner of Patents ADDRESS TO: Box Patent Application Washington, D.C. 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Specification, Claims, and Abstract Total Pages 24 3. <input checked="" type="checkbox"/> Drawings Total Sheets 6 4. Oath or Declaration Total Pages 4 a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> [Note Box 5 Below] (i) <input type="checkbox"/> 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. <input type="checkbox"/> Incorporation by Reference <i>(usable if Box 4b is checked)</i> The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i> 7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies	ACCOMPANYING APPLICATION PARTS
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No:	8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i> <input type="checkbox"/> Power of Attorney by assignee 10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 11. <input type="checkbox"/> Information Disclosure Statement (IDS) PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input type="checkbox"/> Other: _____ _____ _____
18. CORRESPONDENCE ADDRESS: Curtis L. Doster, Esq. KING & SPALDING 45 th Floor 191 Peachtree Street, N.E. Atlanta, Georgia 30303	By:  Reg. No. 41,714 Date: May 19, 2000 Telephone: 404.572.4600 Facsimile: 404.572.5145

FEE TRANSMITTAL

Attorney Docket No. **06576.105004** (MS #150434.1)

This sheet accompanies a patent application transmittal for the following application:

Inventor(s): **Flora et al.**
 Filing Date: **Filed Concurrently Herewith**
 Title: **System and Method for Displaying Media Interactively on a Video Display Device**

The filing fee is calculated as shown below:

1. **FILING FEE:**

FOR:	SMALL ENTITY		LARGE ENTITY	
	FEE	FEE PAID	FEE	FEE PAID
<input checked="" type="checkbox"/> UTILITY FILING FEE	\$345		\$690	\$690
<input type="checkbox"/> DESIGN FILING FEE	\$155		\$310	
<input type="checkbox"/> PLANT FILING FEE	\$240		\$480	
<input type="checkbox"/> REISSUE FILING FEE	\$345		\$690	
<input type="checkbox"/> PROVISIONAL FILING FEE	\$75		\$150	
SUBTOTAL (1)		\$xxx		\$690

2. **CLAIMS:**

FOR:	SMALL ENTITY			LARGE ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	FEE
TOTAL CLAIMS	14- 20 =	0	x 9 =		x 18 = 0
INDEP. CLAIMS	2- 3 =	0	x 39 =		x 78 = 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+130 =		+260 =
SUBTOTAL (2)				\$xxx	\$0

3. **ADDITIONAL FEES:**

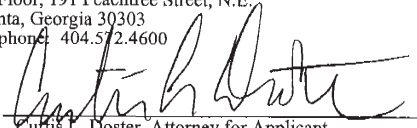
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<input type="checkbox"/> NON-ENGLISH SPECIFICATION	\$130		\$130	
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SUBTOTAL (3)		\$xxx		\$0

TOTAL FILING FEES: \$690

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KING & SPALDING
 45th Floor, 191 Peachtree Street, N.E.
 Atlanta, Georgia 30303
 Telephone: 404.572.4600

By: 
 Curtis L. Doster, Attorney for Applicant
 Reg. No. 41,714

Date: May 19, 2000

FEE TRANSMITTAL

Attorney Docket No. 06576.105004 (MS #150434.1)

JCS&S U.S. PTO
09/574375
05/19/00

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	FEE	FEE PAID	FEE	FEE PAID
<input checked="" type="checkbox"/> UTILITY FILING FEE	\$345		\$690	\$690
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SUBTOTAL (1)		\$xxx		\$690

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	NO. FILED	NO. EXTRA	RATE	RATE	FEE
TOTAL CLAIMS	14- 20 =	0	x 9 =	x 18 =	0
INDEP. CLAIMS	2- 3 =	0	x 39 =	x 78 =	0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+130 =	+260 =	
SUBTOTAL (2)			\$xxx		\$0

3. **ADDITIONAL FEES:**

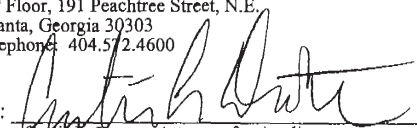
FOR:	SMALL ENTITY		LARGE ENTITY	
	FEE	FEE PAID	FEE	FEE PAID
<input type="checkbox"/> LATE FILING, FEE OR OATH	\$65		\$130	
<input type="checkbox"/> NON-ENGLISH SPECIFICATION	\$130		\$130	
<input type="checkbox"/> OTHER				
SUBTOTAL (3)		\$xxx		\$0

TOTAL FILING FEES: \$690

A check is enclosed for the total amount: **\$690**

Charge any additional fees required under 37 C.F.R. 1.16 or 1.17 to Deposit Account 11-0980.

KING & SPALDING
 45th Floor, 191 Peachtree Street, N.E.
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By: 
 Curtis L. Doster, Attorney for Applicant
 Reg. No. 41,714

Date: May 19, 2000

**SYSTEM AND METHOD FOR DISPLAYING MEDIA
INTERACTIVELY ON A VIDEO DISPLAY DEVICE**

TECHNICAL FIELD

5 The present invention relates to interactive electronic maps. More specifically, the invention relates to an interactive map that allows users to display different items of visual and/or audio media corresponding to a location on the geographic map.

10 **BACKGROUND OF THE INVENTION**

 As computer technology has advanced, atlases have been published in electronic form. These electronic atlases make it possible to include vast amounts of information on a few compact discs (or CD-ROMs). This information includes electronic maps and items of visual and/or audio media. Although the advent of electronic atlases
15 has made such media more accessible and the relationship between electronic maps and such media more direct and interconnected, the prior art did not provide users with an efficient mechanism for easily locating and associating such media with electronic maps.

 To allow users to more easily associate such media with electronic maps, one prior art electronic atlas provided a limited level of association between visual and/or
20 audio media and electronic maps. For example, prior art atlases have displayed representations of certain types of visual media directly on the face of an electronic map. This allowed a user to view the media on a pre-determined location upon the face of the map. Although this atlas was useful, the media content and map were not interactive and supported the use of limited quantity, variety and types of media.

25 In another prior art atlas, media icons were displayed upon the face of an electronic map when the user passed a input device position indicator, such as a cursor, over locations on the map with which a media item or items had been associated or linked. The user could then access a full-size or complete version of the media item by selecting the location, typically by using an input device to issuing an input signal, and

opening a separate window, such as a dialog box. Selecting the item via the dialog box presented to the user accesses the desired media item. Although such electronic maps were interactive, these prior maps allowed a user only to see media representations from an exact location, e.g., within a few pixels of the cursor, at the same time. Moreover, the

5 prior electronic maps only allowed the user to access the full-size or complete media item indirectly by selecting the media item from within a dialog box or other tabular form. In addition, such electronic maps did not provide the user with any ability to filter or restrict the type of visual and/or audio media that the user could locate by interacting with the electronic map.

10 Consequently, there is a need in the art for an electronic atlas that provides a direct interface to visual and/or audio media through an interactive electronic map. Moreover, there is a need for an electronic map that provides a user with direct access to large amounts of media at the same (or a very short) time period and over a larger area of an electronic map. As a result of such increased access to media, there is a corresponding

15 need for the ability to filter or restrict the type of media that a user can locate by interacting with an electronic map. Also, as a result of such increased media access, there is a corresponding need for retrieving and displaying such media in an efficient manner.

SUMMARY OF THE INVENTION

20 The present invention solves the aforementioned problems existing in the prior art by providing an interactive interface between a user and graphical user interface for presenting electronic content, such as a geographical map. For example, the present invention can support the presentation of a scalable interactive geographic map having selectable content associated with map locations. The map can be scaled from a global

25 view down to view of individual cities and towns. At any point along this scale, the user can interact with the map and be presented with media associated with locations on the map. The present invention can be utilized with a variety of graphical content presented in an electronic format, including road maps, photographs, or other types of graphical user interfaces.

The present invention supports the presentation of media items interactively via an output device, such as a video display device for a computer. The present invention allows a user to interact with a geographic map to facilitate access to content associated with locations of the electronic map, including items of visual and/or audio media. For example, a user can use an input device, such as a mouse, to pass a position indicator presented in the conventional form of a cursor over an electronic geographic map. In the alternative, the user can use one or more keyboard commands to move the position indicator to a selected location on the electronic map. If the cursor passes within a pre-selected distance of a predetermined point on the map that is associated with at least one media item, the user can be presented each media icon representing available media items at that location. The user can then pass the cursor over a displayed media icon and directly access the media item by selecting the media icon with a "click" of a mouse button. In this manner, the user can access an expanded version of a selected visual media item, play and replay a selected audio media item, and select hyperlinks associated with related content.

A user can interact directly with the geographic map to access media items, such as graphic and text-based visual media and audio media without the necessity to access the media through the indirect use of a dialog box or other device. This interaction allows a user to select a location on the geographic map and to be presented with media items that are associated with the specific, chosen location and those items associated with locations within a predetermined distance thereof. Further, the present invention allows a user to customize the interactive nature of the invention by filtering and/or restricting the type and categories of media with which the user will be presented during their interaction with the map. Due to limits in computing power of machines used by particular users, the present invention can present media in an efficient manner that provides a user with the perception that the invention is responding quickly to the user's inputs. For example, the amount of media available for presentation at a chosen location on the map can be restricted when a user's computer has a slower processing speed. This restriction is performed in a manner that is not perceived by the user and,

ultimately, provides the user with the perception that the invention is responding quickly to the user's inputs.

BRIEF DESCRIPTION OF THE DRAWINGS

5 FIG. 1 is a block diagram of a personal computer that provides an exemplary operating environment for the present invention.

 FIG. 2 is an exemplary display screen of a software program that illustrates the display of a media icon in response to a selection of a location on an electronic geographic map.

10 FIG. 3 is an exemplary display screen of a software program that illustrates the display of a full-size image of an item of visual media in direct response to a user clicking on a visual media icon on an electronic geographic map.

 FIG. 4 is a logic flow diagram illustrating an exemplary process for displaying media items interactively upon a video display device.

15 FIG. 5A is a logic flow diagram illustrating an exemplary process for identifying and retrieving media items into a computer for the purpose of displaying such items on a video display device.

20 FIG. 5B is a logic flow diagram illustrating an exemplary process for identifying and retrieving media items into a computer for the purpose of displaying such items on a video display device.

DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

 The present invention supports the presentation of media items interactively via an output device, such as a video display device for a computer. The present invention allows a user to interact with a graphical user interface ("GUI"), such as a geographic map, to facilitate access to content associated with locations of the electronic map, including items of visual and/or audio media. For example, a user can use an input device, such as a mouse, to pass a position indicator presented in the conventional form of a cursor over an electronic geographic map. In the alternative, the

user can use one or more keyboard commands to move the position indicator to a selected location on the electronic map. If the cursor passes within a pre-selected distance of a predetermined point on the map that is associated with at least one media item, the user can be presented each media icon representing available media items at that location.

5 The user can then pass the cursor over a displayed media icon and directly access the media item by selecting the media icon with a "click" of a mouse button. In one exemplary embodiment, the media items are presented through the use of a window frame on a video display device in the form of a media viewer. Using the media viewer, the user can access an expanded version of a selected visual media item, play and replay
10 a selected audio media item, and select hyperlinks associated with related content.

The present invention also can support the creation of a perception by the user that a processor operating at a relatively slow processing speed is fully responsive to commands to present desired electronic content. For one exemplary embodiment, a threshold boundary is positioned proximate to and surrounds each electronic map
15 location. In the event that the cursor crosses this threshold boundary, an icon representing content for a media item is presented to the user. The distance separating the threshold boundary from the electronic map location can be reduced when a determination is made that the computer operates at a relatively slow processing speed. This reduction in the threshold distance to the electronic map location supports the
20 presentation of an icon representing a media item only when the cursor is placed on or adjacent to that location. In addition, two sets of software instructions can operate through multi-tasking to structure the identification and retrieval of media items. This multi-tasking thread architecture can create the perception by a user that media items are available shortly after the user places the cursor proximate to an electronic map location
25 having associated media items.

Although the preferred embodiment will be generally described in the context of a program and an operating system running on a personal computer, those skilled in the art will recognize that the present invention also can be implemented in conjunction with other program modules for other types of computers. Furthermore,

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those skilled in the art will recognize that the present invention may be implemented in a stand-alone or in a distributed computing environment. In a distributed computing environment, program modules may be physically located in different local and remote memory storage devices. Execution of the program modules may occur locally in a stand-alone manner or remotely in a client/server manner. Examples of such distributed computing environments include local area networks of an office, enterprise-wide computer networks and the global Internet.

In addition, it should be understood that the programs, processes, methods, etc., described herein are not related or limited to any particular computer or apparatus, nor are they related or limited to any particular communication network architecture. Rather, various types of general-purpose machines may be used with program modules constructed in accordance with the teachings described herein. Similarly, it may prove advantageous to construct a specialized apparatus to perform the computer-supported processes described herein by way of dedicated computer systems in a specific network architecture with hardwired logic or programs stored in nonvolatile memory, such as read-only memory.

Referring now to the drawings, in which like numerals represent like elements throughout the several figures, aspects of the present invention and the preferred operating environment will be described. FIG. 1 illustrates various aspects of the preferred computing environment in which the present invention is designed to operate. Those skilled in the art will appreciate that FIG. 1 and the associated discussion are intended to provide a brief, general description of the preferred computer hardware and program modules, and that additional information is readily available in the appropriate programming manuals, user's guides, and similar publications. FIG. 1 illustrates a conventional personal computer 10 suitable for supporting the operation of an exemplary embodiment of the present invention. As shown in FIG. 1, the personal computer 10 operates in a networked environment with logical connections to a remote computer 11. The logical connections between the personal computer 10 and the remote computer 11 are represented by a local area network (LAN) 12 and a wide area network (WAN) 13. In

this client/server configuration, the remote computer 11 may function as a file server or computer server.

The personal computer 10 includes a central processing unit (CPU) 14, such as "PENTIUM" microprocessor manufactured by Intel Corporation of Santa Clara, California. The personal computer also includes system memory 15 (including read-only memory (ROM) 16 and random access memory (RAM) 17),, which is connected to the CPU 14 by a system bus 18. The preferred computer 10 utilizes a BIOS 19, which is stored in ROM 16. Those skilled in the art will recognize that the BIOS 19 are a set of basic routines that helps to transfer information between elements within the personal computer 10. Those skilled in the art will also appreciate that the present invention may be implemented on computers having other architectures, such as computers that do not use a BIOS, and those that utilize other types of microprocessors.

Within the personal computer 10, a local hard disk drive 20 is connected to the system bus 18 via a hard disk drive interface 21. A floppy disk drive 22, which is used to read or write a floppy disk 23, is connected to the system bus 18 via a floppy disk drive interface 24. A DVD/CD-ROM drive 25, which is used to read a DVD or CD-ROM disk 26, is connected to the system bus 18 via a DVD/CD-ROM interface 27. A user enters commands and information into the personal computer 10 by using input devices, such as a keyboard 28 and/or pointing device, such as a mouse 29, which are connected to the system bus 18 via a serial port interface 30. Other types of pointing devices (not shown in FIG. 1) include track pads, track balls, pens, head trackers, data gloves and other devices suitable for positioning a cursor on a computer monitor 31. The monitor 31 or other kind of display device is connected to the system bus 18 via a video adapter 32.

The remote computer 11 in this networked environment is connected to a remote memory storage device 33. This remote memory storage device 33 is typically a large capacity device such as a hard disk drive, DVD/CD-ROM drive, magneto-optical drive or the like. The personal computer 10 is connected to the remote computer 11 by a network interface 34, which is used to communicate over the local area network 12.

As shown in FIG. 1, the personal computer 10 is also connected to the remote computer 11 by a modem 35, which is used to communicate over the wide area network 13, such as the global Internet. The modem 35 is connected to the system bus 18 via the serial port interface 30. The modem 35 also can be connected to the public switched telephone network (PSTN) or community antenna television (CATV) network. Although illustrated in FIG. 1 as external to the personal computer 10, those of ordinary skill in the art will quickly recognize that the modem 35 may also be internal to the personal computer 11, thus communicating directly via the system bus 18. It is important to note that connection to the remote computer 11 via both the local area network 12 and the wide area network 13 is not required, but merely illustrates alternative methods of providing a communication path between the personal computer 10 and the remote computer 11.

Although other internal components of the personal computer 10 are not shown, those of ordinary skill in the art will appreciate that such components and the interconnection between them are well known. Accordingly, additional details concerning the internal construction of the personal computer 10 need not be disclosed in connection with the present invention.

Those skilled in the art will understand that program modules such as an operating system 36 and application programs, such as an interactive electronic map application 37, are provided to the personal computer 10 via computer-readable media. In the preferred computer, the computer-readable media include the local or remote memory storage devices, which may include the local hard disk drive 20, floppy disk 23, DVD/CD-ROM 26, RAM 17, ROM 16, and the remote memory storage device 33. In the preferred personal computer 10, the local hard disk drive 20 is used to store data and programs, including the interactive electronic map 37. During user operation of the preferred computer 10, data and programs can be retrieved from the local hard disk drive 20 and are stored in local memory, such as RAM 17.

Turning now to FIGS. 2-5B, an exemplary embodiment of the present invention is described via the conventional software illustration tools of representative

display screens and logical flow chart diagrams. FIG. 2 is a display screen showing the graphical user interface (GUI) component 40 of an exemplary embodiment of the present invention. Although this embodiment utilizes a scalable geographic map, those skilled in the art will recognize that the present invention can be utilized with other electronic forms of graphical content, such as road maps, animation, photographs, etc. In this embodiment, media items, typically represented by icons 42 (or "thumbnail" versions), are displayed when a position indicator, shown as cursor 44, is moved proximate to certain locations on an electronic geographic map 46. These icons 42 notify the user that media items are associated with predetermined coordinates or "locations" on the map that are proximate to the position of the cursor 44. The icons 42 further provide the user with a visual object to select with the "click" of a mouse button (or another conventional mechanism) to obtain direct access to the content of the associated media items. All map locations are not necessarily associated with media items. For example, if the user moves the cursor 44 to a new location on the electronic map, the icons 42 displayed proximate to the old location will eventually disappear or fade after a pre-determined period of time. If content is associated with the new location, however, new icons will appear proximate to the new cursor position.

The exemplary geographic map 46 of the globe is scalable and can show fine levels of geography, such as individual cities and towns. The user may interact with a displayed icons 42 to gain access to further information regarding the subject of the displayed icon. For example, the user can quickly see what media items, if any, are available at a chosen location by moving the cursor over an area of the map 46 proximate to that location. For visual media, the user is presented with icons 42 or "thumbnail" versions of the available media items associated with one or more locations proximate to the position of the cursor 44. In addition, as the geographic map is scaled upwards or downwards, the number of locations (that are associated with media items) are reduced or increased respectively. Thus, the user will be presented with a larger number of media items when the map 46 is scaled to show finer detail and will be presented with a smaller number of media items when the map 46 is scaled to show a lower level of detail. This

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prevents the map 46 from becoming visually cluttered or crowded and thereby confusing the user during interaction with the map 46.

The exemplary embodiment of FIG. 2 can allow a user to restrict the media to be presented to different types and categories of media through the use of a media menu 50 with the listed media categories 53. Representative media categories include images relating to people, places, landscapes, agriculture and industry and animals; audio media relating to national anthems and music of the world; and visual media representing national flags. It will be appreciated that the present invention can be extended to include any and all types of visual and/or audio media. To exercise this option, the user chooses the desired media category or categories by using an input device, such as a mouse, to select an icon 52 and thereby open the media menu 50. Thereafter, the user may use an input device to choose the particular category or categories of media to be retrieved when interacting with the geographic map 46.

In FIG. 2, a user has restricted the categories of media to “images” by selecting this category on the media menu 50. The user has also used an input device, such as a mouse, to find locations associated with images by placing the cursor 44 over a position on the geographic map 40. In response to the user input, media icons 42 representing all images associated with locations proximate to the cursor are displayed to the user.

FIG. 3 is a display screen showing the GUI 40 of an alternative exemplary embodiment of the present invention. In this view, a user has restricted the type of media to be presented to all “images” by selecting that category from the media categories 53 listed on the media menu 50. The user has also passed the cursor 56 over the map to a position that is proximate to locations associated with images. In response to this user input, the user is presented with icons 58 representing images (the restricted media category) associated with the locations proximate to the cursor 56.

In the exemplary embodiment shown in FIG. 3, there are multiple visual media items associated with the locations proximate to the cursor 56 that have associated media items. Only a single icon 59 can be presented for each specific location in a

reduced-pixel or “thumbnail” format due to the limited size of the geographic map 46. In order for the user to be presented with all icons for available media, icons representing the pertinent media items at the same location on the geographic map are consecutively displayed to the user. This process of scrolling among the available icons at an electronic map location is referred to as “cycling.” Thus, an icon representing each additional media item that is available for the locations proximate to the cursor 56 will cycle in the same icon window 60 as the initially displayed icon 59.

As shown in FIG. 3, the user has moved the cursor 56 so as to contact one of the presented icons 59. The user has further selected the icon 59 by way of user input, such as a mouse click, so as to be given direct access to a full-size display of one of the media items 62 represented by the icon 59. To provide such access, an additional window (or media viewer) 64 is opened and displays the full-size image of the media item 62 therein. In this embodiment, the location associated with the media item 62 is also associated with additional media items. Upon selection of the icon 59, one of the media items 62 represented by the icon is arbitrarily selected and displayed in the media viewer 64. Also, the user can access all other media items associated with the map location and that are cycled in the icon window 60 by selecting among the icons 66 associated with those other media items from a scrolling list 68 of icons 66 within the media viewer 64. In order to access the additional media items, the user can contact the desired media item’s icon 66 with the cursor 56 and select the media item through a mouse click.

Through the media viewer 64, the user is able to execute a hyperlink 70 and display an expanded version of the visual media item. For example, the user can jump to a expanded version of a visual media item that could include such things as explanatory text, related text articles or further hyperlinks to related information. As shown in FIG. 3, where the caption 72 of the chosen media item is lengthy, the media viewer 64 allows for a scrolling list 74 so that the user can view the entire description. In addition, the caption 72 of the chosen media item may contain additional hyperlinks.

As can be seen in FIG. 2, the present invention can be configured so as to present a user with various types of media 53 for a selected graphical content, such as an electronic map. These media types typically include photographic or animated visual media, textual media, audio media and computer-generated graphic visual media. In the case of audio media, the user can be presented with such media through the use of icons, which allow a user to direct access the content of the audio media through a audio playback device contained within the media viewer 64. In the case of other types of audio media, a user also can be presented in either icon or thumbnail versions and accessed through the media viewer 64.

Turning now to FIG. 4, an exemplary embodiment of the present invention is shown in the form of a logic flow diagram. In this embodiment, the user selects the electronic map program for operation. The user may then select whether or not to filter retrievable media items in step 76. The user then chooses whether to move a position indicator or pointer, such as a cursor, over the electronic map by use of an input device in step 78. A determination is made as to whether the cursor has been moved proximate to locations on the map that are associated with media items in step 82. If the cursor is moved to a point that is associated with media, media icon windows appear on the map in step 84. If no media items are associated with the cursor location, the user can continue moving the cursor until it contacts such a location in step 78. In step 86, a determination is made as to whether there are multiple media items associated with the locations proximate to the cursor. If so, the icons of the various media items are cycled in step 88. After the icons have been displayed and/or cycled, the user may choose to click on a displayed icon 90. Otherwise, the user may continue to move the cursor across the electronic map in step 82 or elect to exit the computer-implemented process in step 114.

If the user selects a displayed icon in step 90, the media viewer 92 is opened and presented to the user. The user then has several options from within the media viewer 92. The user can elect to review any additional media associated with the directly accessed media by executing available hyperlinks in step 94 and thereafter exits the process in step 102. The user also can elect to display an expanded version of the

media item, if one is available, in steps 96 and 104. The user can elect to scroll the other media items contained within the media viewer in step 98 and to display such media items within the media viewer in step 106. The user can elect to play audio media in steps 100 and 108. After each of these choices, the user can close the media viewer 92 in
5 step 110 or return to one of the media viewer options from step 92. If the user closes the media viewer in step 110, the user can either exit the process in step 112 or return to move the mouse over the map to a new location in step 78.

Another exemplary embodiment comprises two computer-implemented tasks or sequences that operate simultaneously (through multi-tasking) to identify and
10 retrieve media items for viewing and/or access by a user interacting with an electronic map. The first sequence, which relates to the "interface" or the interactive point-and-click activity by the user, is referred to as the "interface thread." The second sequence, which relates to the actual retrieval of media items for viewing and/or access by the user, is referred to as the "retrieval thread."

15 The interface thread acts to identify locations over which the user has passed his cursor for which media items are available. The interface thread then passes this information to the retrieval thread. The retrieval thread acts to retrieve the available (and pre-selected) media items for viewing and/or access by the user. By allowing these threads to operate simultaneously, the invention allows the user to move quickly from
20 point to point on the geographic map and to quickly identify the media items available at each point.

This exemplary embodiment further acts to provide the perception to the user that media items are available quickly from multiple locations on the geographic map and that media items are available quickly from the scrolling icon list 68 of the
25 media viewer 64. This perception is provided through the order of execution of the processing steps associated with the retrieval thread. Specifically, the retrieval thread acts to retrieve media items by dividing media locations identified by the interface thread into four categories:

- (1) locations for which no media items have been “fetched” into memory;
- (2) locations for which one or more media items have been “fetched” into memory;
- (3) locations for which all available media has been fetched into memory;
- and
- (4) locations within the media viewer.

5 The retrieval thread normally assigns first priority to category 1 locations for the purpose of media item retrieval and second priority to category 2 locations. Specifically, the retrieval thread will fetch at least one media item into memory for all
10 locations in category 1 before it fetches additional items into memory for category 2 locations. Once all category 1 locations have at least one media item retrieved (i.e., all category 1 locations have been converted into category 2 locations) the retrieval thread will load one additional remaining media item, if any, for each category 2 location. The retrieval thread then reassesses all media locations. After all media items have been
15 fetched into memory for all category 2 locations (i.e., all category 2 locations have been converted into category 3 locations), the retrieval thread will pause for a pre-selected time period to allow more processing time for the interface thread. This process will then start again after the pre-selected time period has expired.

20 In addition to locations on the geographic map, the retrieval thread also interacts with the media viewer 64 to provide the perception to the user that additional media items 66 are available quickly from the scrolling icons list 68 of the media viewer 64. If a user selects a media icon 59 and thereby opens the media viewer 64, the retrieval thread will assign first priority to category 4 locations, i.e., those media locations on the scrolling icon list 68.

25 An exemplary embodiment also supports varying configurations of the interface thread to provide the perception of greater responsiveness and speed to users that utilize computer systems with slower processing speeds. Specifically, the interface thread identifies locations with which media items are associated. In one exemplary embodiment, the locations are defined by a rectangular area of a pre-set number of pixels

centered at the position of the cursor. If the interface thread determines that a particular central processing unit has a relatively fast or slow processing speed, the system will increase or decrease the size of the pixel area associated with the available locations on the geographic map and identified by the interface thread. For example, the processing

5 steps associated with the interface thread can reduce the size of the rectangular pixel area centered on the cursor. Thus, the interface thread will order the retrieval thread to fetch fewer media items with respect to a given cursor location, providing the user with the perception that the system is faster and more responsive.

Turning now to FIGS. 5A and 5B, logic flow diagrams are used to

10 illustrate the exemplary operations of the interface and retrieval threads 116 and 114. The interface thread 116 is started when a user moves the cursor over the electronic map in step 117. The interface thread 116 first determines whether the user's CPU has a relatively slow processing speed in step 118. Then the interface thread 116 either creates a one inch (1") square rectangle or cursor block to be centered around the cursor in

15 step 120 or it creates a smaller cursor block in step 122.

Next, the interface thread 116 determines whether there are any map locations contained within the cursor block surrounding the cursor's current position that are associated with media items in step 124. If not, the interface thread 116 waits until the cursor is moved to a new location in step 126. If the cursor is so moved, the interface

20 thread 116 restarts at step 117. If, in step 124, the interface thread 116 detects locations with associated media items, the interface thread 116 then verifies whether it has previously checked to see which specific media items are associated with such locations in step 128. The interface thread 116 then creates and/or continually updates a list of map locations that have been previously checked for media items and for which the

25 associated media items have been identified in step 130. In step 132, the interface thread 116 analyzes the media items associated with the map locations within the cursor block. In step 134, the interface thread 116 determines whether any of the pertinent media types fit within the user-selected media categories. If the interface thread 116 determines that there are no such media, it returns to step 126 and waits for the user to

move the cursor to a new location. If the interface thread 116 does detect such media in step 134, it creates a list of media identifiers that are associated with each of the locations contained within the locations list in step 136.

Following step 136, the interface thread 116 then determines whether
5 there is an available icon window proximate to the current location of the cursor in which to display a representation of the media item(s) in step 138. If there is no such an icon window, the interface thread 116 then creates an icon window (or windows) in step 140. If there is an available icon window (or if one has been created), the interface thread 116 associates the pertinent map locations with the nearest available icon window(s) in
10 step 142. In step 144, the interface thread 116 accepts input from the retrieval thread 114 as to which media items have been retrieved into memory. In step 146, the interface thread 116 updates the icon windows media list to reflect the presence of the newly retrieved media items. The interface thread 116 then determines more than one media
15 item has been retrieved via a relevant icon window in step 148. If not, the single media item is displayed in the pertinent icon window in step 150. If so, the multiple media items are cycled in the pertinent icon window in step 151. At this point, the interface thread 116 returns to step 126 until the user moves the cursor to a new location.

Simultaneously with the execution of the interface thread 116, the retrieval
thread 114 begins retrieval operations. In step 152, the retrieval thread 114 begins when
20 the user moves the cursor to a new location on the map. The retrieval thread 114 then checks the media locations list in step 154 and the media identifiers list in step 156 in order to determine whether there are any media items that need to be "fetched" into memory from data storage in step 158. If no media needs to be retrieved, the retrieval thread pauses for a pre-selected period of time, such as 250 milliseconds, in step 160
25 before returning to step 154. If such media items do need to be retrieved, the retrieval thread 114, in step 162, reviews the category status of each map location that has been added to the map locations list by the interface thread 116. In step 163, the retrieval thread 114 determines whether any category 4 locations are present. If so, the retrieval thread 114 sequentially retrieves each media item for each location in category 4 in

step 164. If not, the retrieval thread 114, in step 165, determines whether each location in category 1 has a retrieved media item. If not, in step 166, the retrieval thread 114 retrieves one media item for each location in category 1. In step 167, the retrieval thread 114 updates the list of retrieved media items for later use by the interface thread 116. In step 168, the retrieval thread 114 updates the list of map locations as to whether associated media items have been retrieved.

In step 170, the retrieval thread 114 notifies the interface thread 116 as to which media items have been retrieved into memory. The retrieval thread 114 then returns to step 162 and reassesses the category status of the identified media locations. Alternatively, if the retrieval thread 114 determines in step 165 that each category 1 location has had one media item retrieved, it retrieves one additional media item for one category 2 location in step 172. In steps 174, 176 and 178, the retrieval thread 114 updates the media location list and the media identifier list and notifies the interface thread 116 of this new information. In step 180, the retrieval thread 114 determines whether there are any remaining category 2 or category 4 locations. If so, the retrieval thread returns to step 162. If not, the retrieval thread 114, in step 182, pauses for 250 milliseconds and then returns to step 154.

In view of the foregoing, it will be understood that the present invention is directed to a computer-implemented method for interactively presenting media items associated with an electronic content presentation, such as a graphical user interface (GUI), via an output device. A determination is made whether a position indicator or pointer, such as a cursor, is located proximate to a GUI location that is associated with supplemental content in the form of a media item. If so, an indicator is presented to advise the user that supplemental content is indeed associated with that location on the interface. For example, a media icon representing one or more media items can be displayed on the output device proximate to the location of the input device indicator. This indicator serves as a prompt or cue for the user to select the indicator if the user desires to review the supplemental content. A determination is made whether the media icon has been selected in response to an input signal issued by an input device. If so, the

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selected media item, typically video and/or audio information, is presented to the user via the output device.

The present invention has been described above in relation to particular embodiments that are intended to be illustrative rather than restrictive. The particular
5 embodiments described involve the use of a geographic electronic map. However, those skilled in the art will understand that the principles of the present invention apply to any task or process that requires interactivity between with an electronic content display and content items associated with locations for that content display. Alternative embodiments will become apparent to those skilled in the art to whom the present invention without
10 departing from its spirit and scope. Accordingly, the appended claims rather than the foregoing description define the scope of the present invention.

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[CLAIMS:]

What is claimed is:

Sub A

- 5 1. A method for interactively presenting one or more media items providing supplemental content for a graphical user interface (GUI) that supports the presentation of primary content via an output device, comprising the steps of:
 - determining whether a position indicator is located proximate to a location on the GUI, the location associated with at least one of the media items;
 - 10 if the position indicator is located proximate to the location associated with one of the media items, then displaying an indicator representing the media item, the indicator providing an indication that supplemental content supported by the media item is available for presentation in connection with the location;
 - determining whether the indicator has been selected in response to receipt of an input signal issued by an input device; and
 - 15 if the indicator has been selected, then presenting the supplemental content for the media item corresponding to the selected indicator via the output device.

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2. The method of claim 1 wherein the step of determining whether a position indicator is located proximate to a location on the GUI comprises identifying whether the position indicator has entered a predetermined threshold boundary positioned proximate to and surrounding the location.
3. The method of claim 1, wherein the predetermined threshold boundary is defined by a rectangular area centered about the coordinates of the GUI location.
4. The method of claim 4, further comprising the steps of:
determining the relative processing speed of a computer system for presenting the GUI; and
adjusting the size of the predetermined threshold boundary based upon the relative processing speed of the computer system.
5. The method of claim 1 wherein the indicator representing the media item comprises a reduced-pixel display image for presentation via the output device.
6. The method of claim 1 wherein the step of presenting the media item comprises displaying a digital photographic image via a window frame rendered on the output device.
7. The method of claim 1, further comprising the step of displaying each indicator for the media items associated with the location of the position indicator by cycling through a visual presentation of each indicator.

13. The method of claim 12, further comprising the steps of:
assigning the media items to one of two categories representing
types of supplemental content;
5 determining whether at least one of the categories is selected; and
if at least one of the categories is selected, then retrieving only
those media items assigned to the user-selected category.

14. A computer-readable medium having computer-executable
10 instructions for performing the steps recited in claim 12.

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**SYSTEM AND METHOD FOR DISPLAYING MEDIA
INTERACTIVELY ON A VIDEO DISPLAY DEVICE**

ABSTRACT OF THE DISCLOSURE

5 A graphical user interface (GUI) allows a user to directly access items of
visual and/or audio media by passing a cursor over points on an electronic map.
Indicators in the form of icons representing media items can be displayed and can be
accessed through a media viewer. A determination is made whether a position indicator
or pointer, such as a cursor, is located proximate to a GUI location that is associated with
10 supplemental content in the form of a media item. If so, an indicator is presented to
advise the user that supplemental content is indeed associated with that location on the
interface. For example, a media icon representing one or more media items can be
displayed on the output device proximate to the location of the input device indicator.
This indicator serves as a prompt or cue for the user to select the indicator if the user
15 desires to review the supplemental content. A determination is made whether the media
icon has been selected in response to an input signal issued by an input device. If so, the
selected media item, typically video and/or audio information, is presented to the user via
the output device.

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K & S Docket No. 06576.105004 (MS #150434.1)

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No. 06576.105004(MS No. 150434.1)

In re Application of: **William T. Flora, Robert Edward Parkin, Christopher R. Fox and Gregory R. Slayden**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **System and Method for Displaying Media Interactively on a Video Display Device**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
None			Yes _____ No <u>X</u>

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

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Application No.)</u>	<u>(Filing Date)</u>
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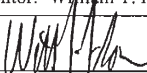
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
None		

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 statement 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 States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Steven P. Wigmore-40,447; Jacqueline Haley-41,457; Curtis L. Doster-41,714; Charles Vorndran-45,315; Katie E. Sako-32,628; Daniel D. Crouse-32,022.

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DECLARATION AND POWER OF ATTORNEY Attorney's Docket No. 06576.105004(MS No. 150434.1)

In re Application of: **William T. Flora, Robert Edward Parkin, Christopher R. Fox and Gregory R. Slayden**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **System and Method for Displaying Media Interactively on a Video Display Device**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>		
None			Yes	No	X

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

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Application No.)</u>	<u>(Filing Date)</u>

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

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
None		

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 statement 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 States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Steven P. Wigmore-40,447; Jacqueline Haley-41,457; Curtis L. Doster-41,714; Charles Vomdran-45,315; Katie E. Sako-32,628; Daniel D. Crouse-32,022.

Send correspondence to: **King & Spalding**
191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600
Curtis L. Doster

Full name of second inventor: Robert Edward Parkin	Citizenship: U.S.A.
Inventor's signature: <i>Robert Edward Parkin</i>	Date: <i>5/18/2000</i>
Residence and Post Office Address: 21008 NE 78 th Street, Redmond, Washington 98053	

DECLARATION AND POWER OF ATTORNEY Attorney's Docket No. **06576.105004**(MS No. 150434.1)

In re Application of: **William T. Flora, Robert Edward Parkin, Christopher ~~W.~~ Fox and Gregory R. Slayden**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **System and Method for Displaying Media Interactively on a Video Display Device**, the specification of which is attached hereto.

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<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
None _____			Yes _____ No <input checked="" type="checkbox"/>

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

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Application No.)</u>	<u>(Filing Date)</u>

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<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
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Send correspondence to: **King & Spalding** Direct telephone calls at **(404) 572-4600**
 191 Peachtree Street, N.E., 45th Floor
 Atlanta, Georgia 30303
 Curtis L. Doster

Full name of third inventor: Christopher W. Fox <i>CP</i>	Citizenship: U.S.A.
Inventor's signature <i>[Signature]</i>	Date: 5.18.00
Residence and Post Office Address: 3304 Fuhrman Avenue E. #3, Seattle, Washington 98102	

DECLARATION AND POWER OF ATTORNEY Attorney's Docket No. 06576.105004(MS No. 150434.1)

In re Application of: **William T. Flora, Robert Edward Parkin, Christopher R. Fox and Gregory R. Slayden**

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<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
None			Yes _____ No <u>X</u>

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

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Application No.)</u>	<u>(Filing Date)</u>
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<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
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191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303
Direct telephone calls at (404) 572-4600
Curtis L. Doster

Full name of fourth inventor: Gregory R. Slayden	Citizenship: U.S.A.
Inventor's signature: <i>Gregory R. Slayden</i>	Date: 5-18-2000
Residence and Post Office Address: 1314 4 th Place, Kirkland, Washington 98033	

09/574,375

6714215

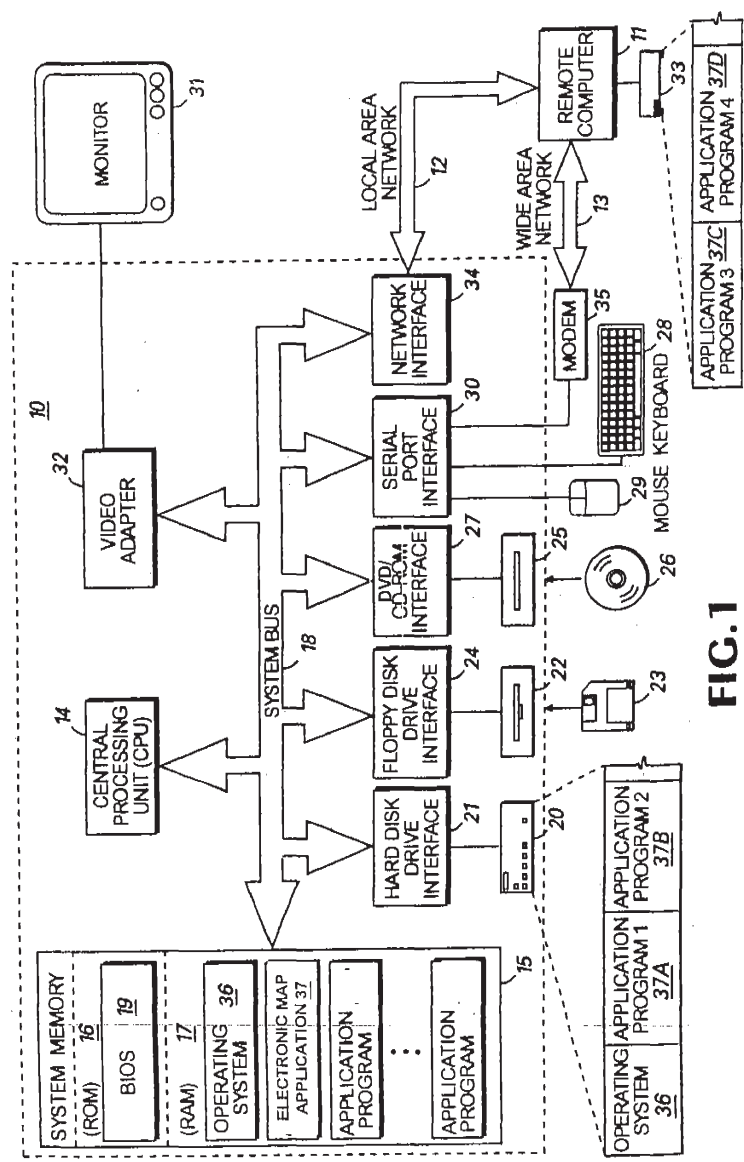


FIG. 1

00445018212560

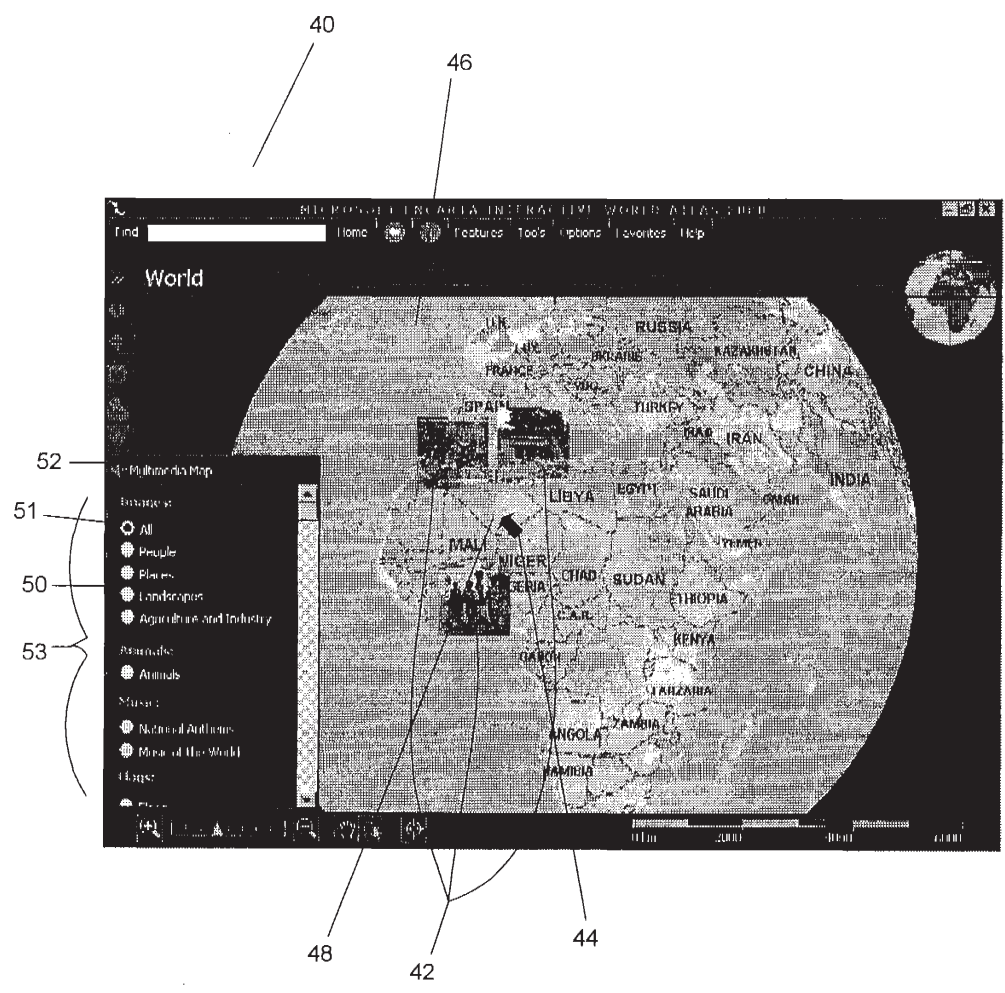


FIG. 2

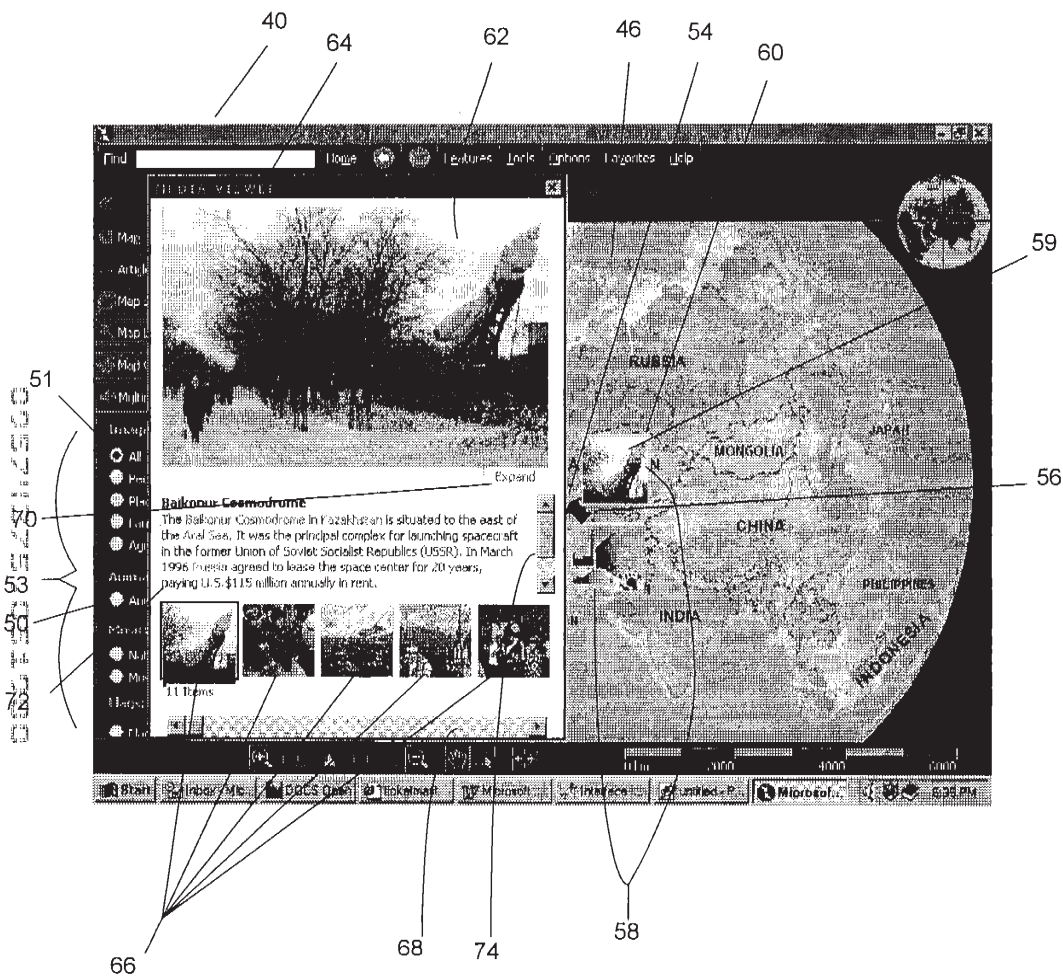


FIG. 3

20040003 20040003

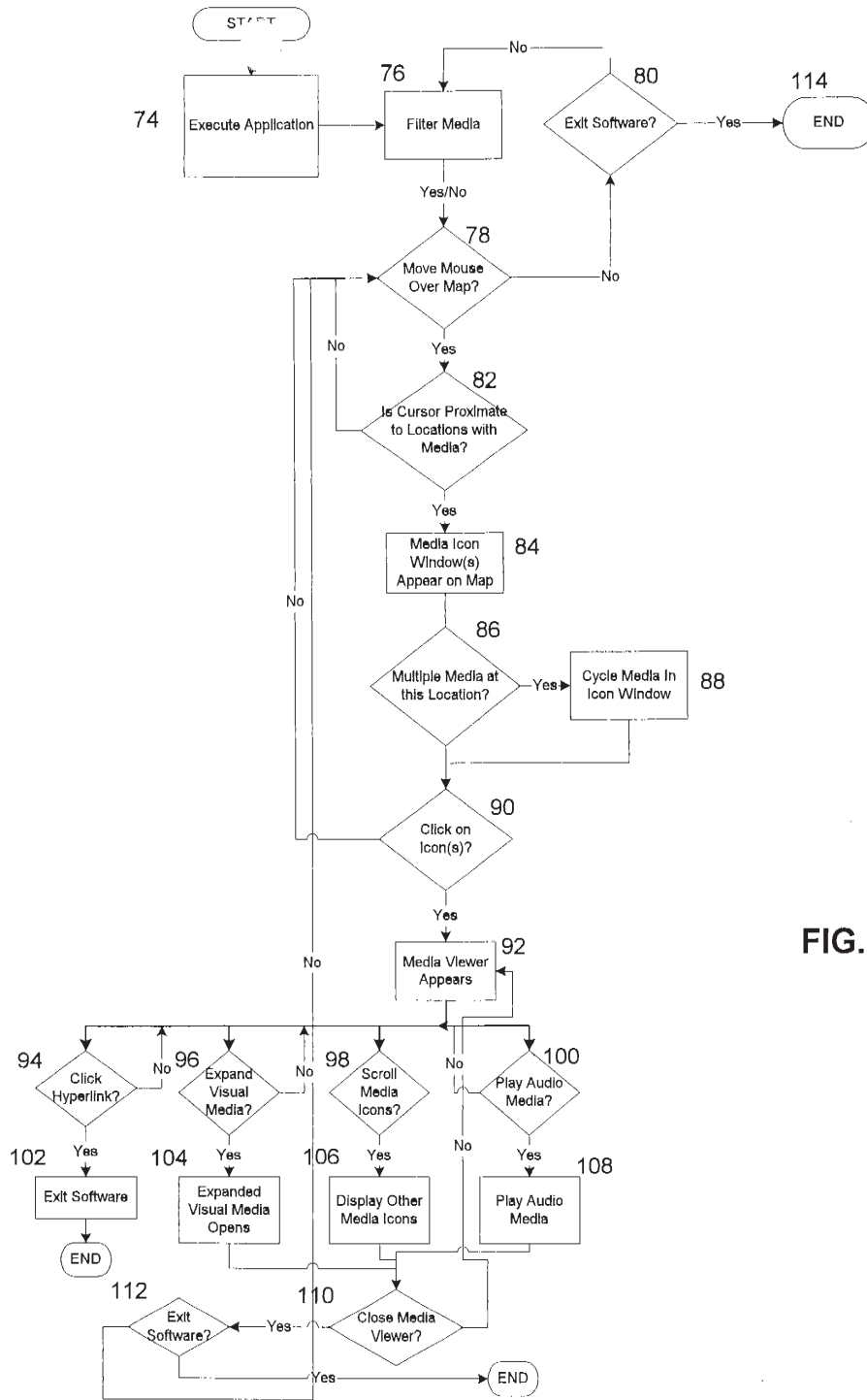


FIG. 4

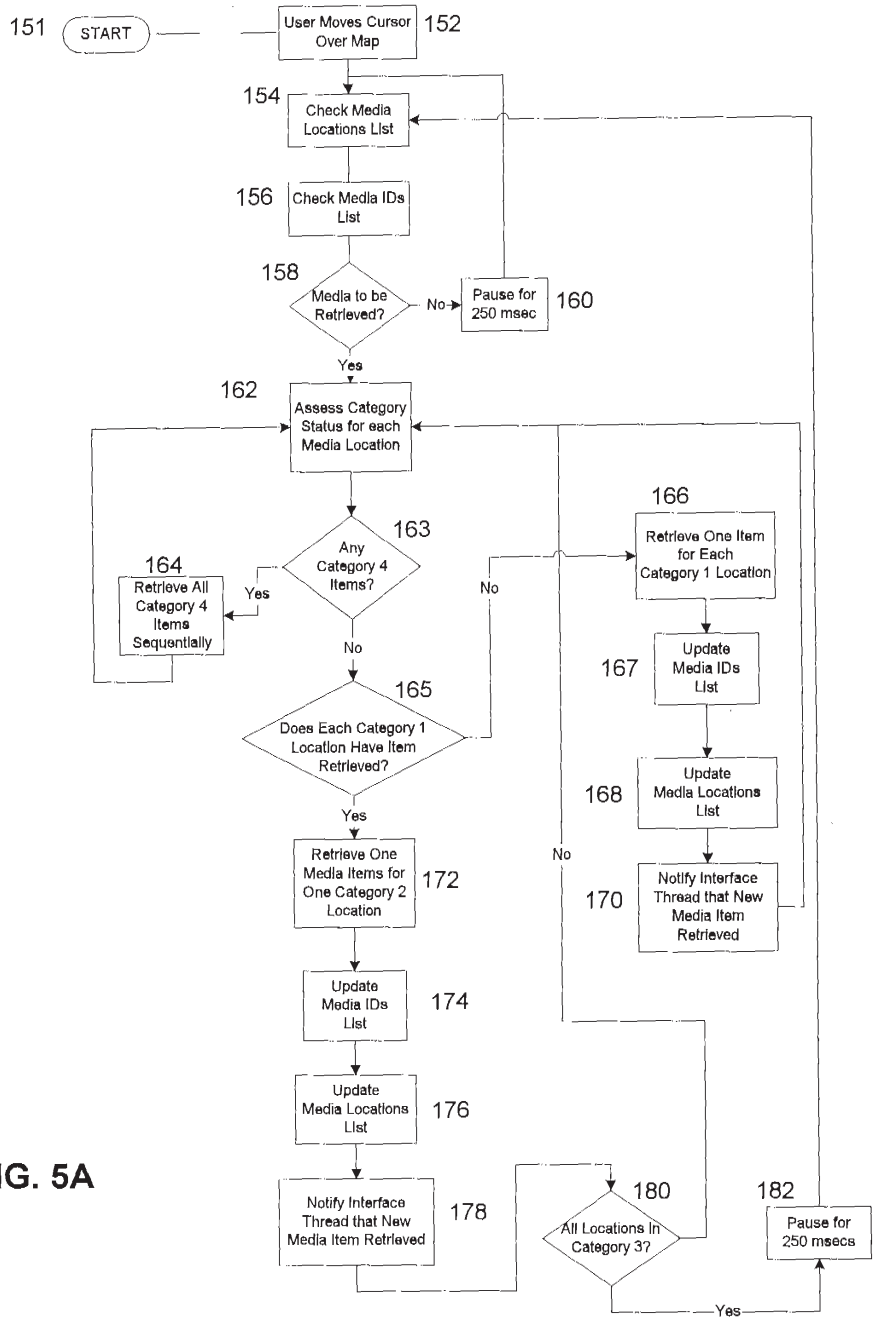
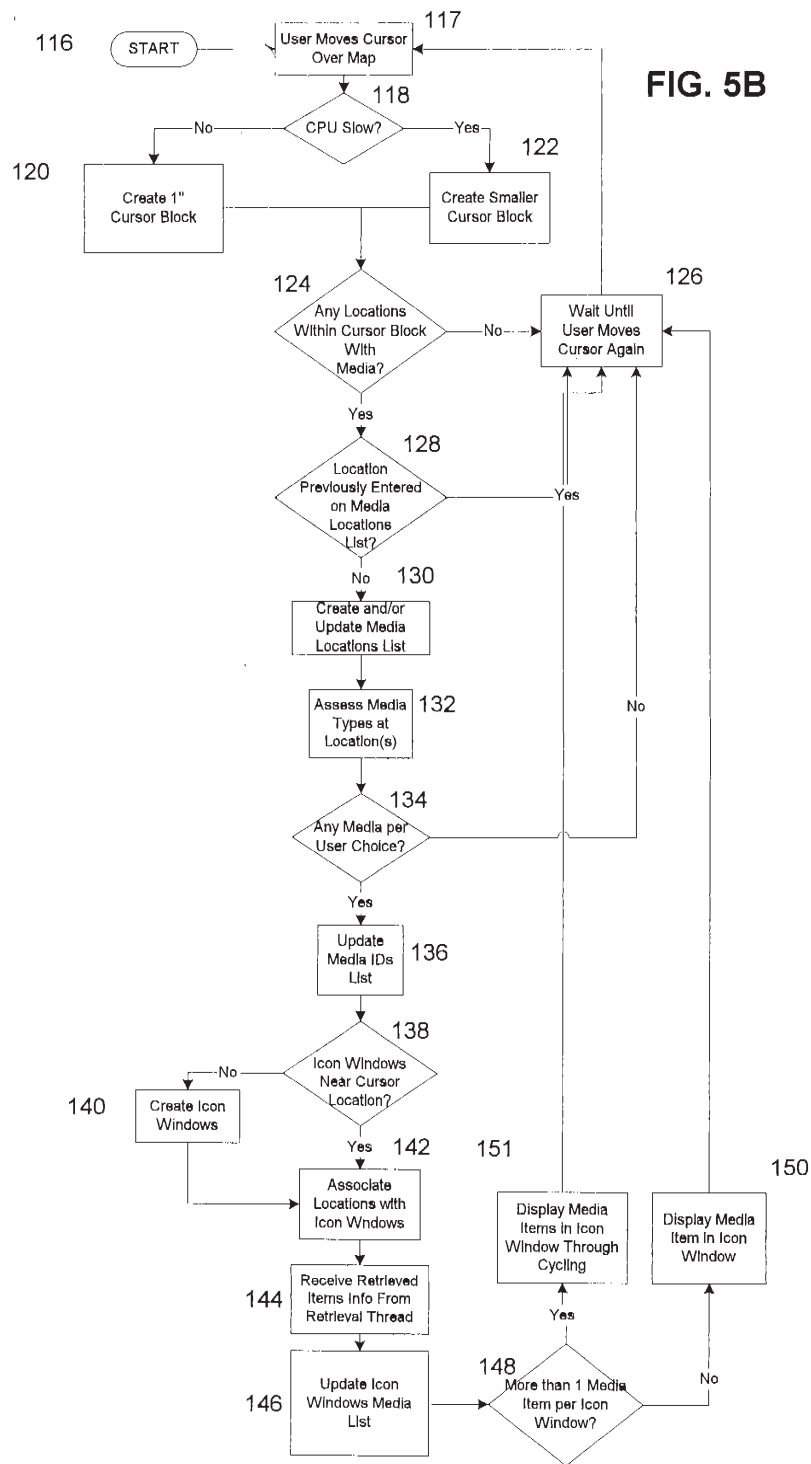


FIG. 5A

006499 2/21/2009



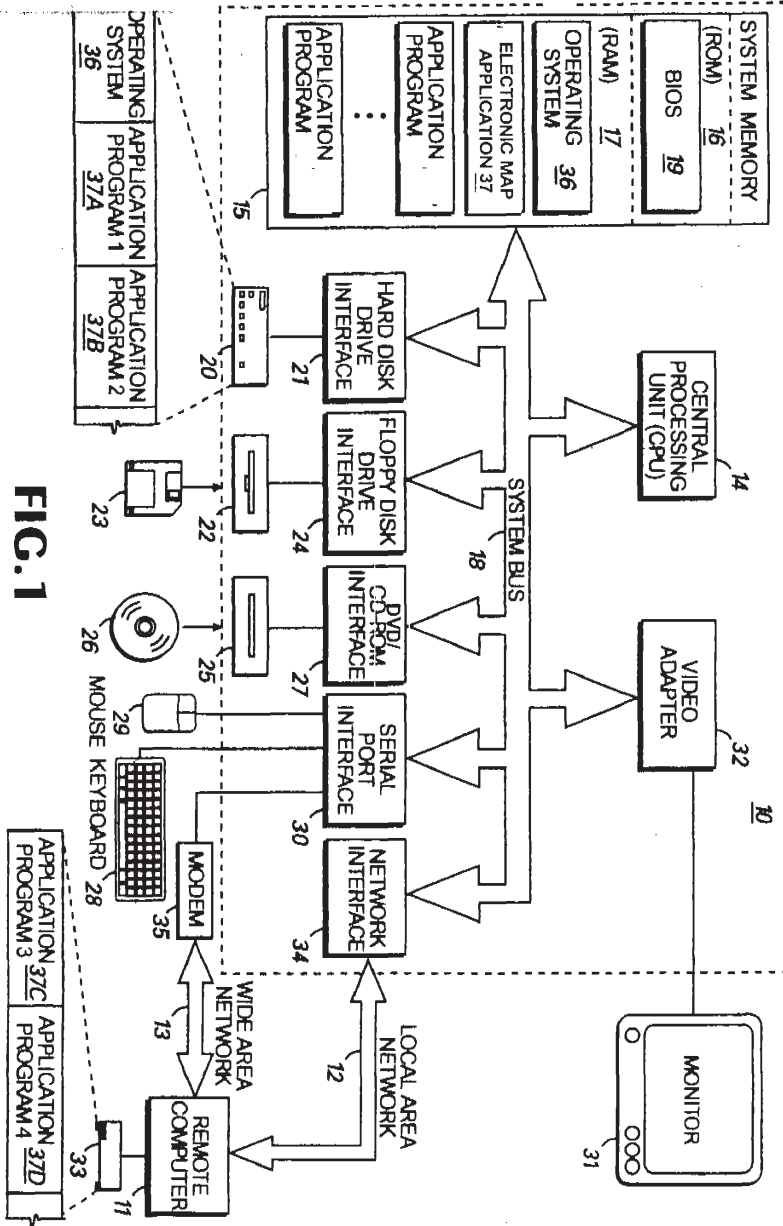


FIG. 1

FIG. 1 is a block diagram of a computer system 10. The system 10 includes a central processing unit (CPU) 14, system memory 16, and a system bus 18. The system memory 16 includes ROM 16 and BIOS 19. The system bus 18 connects the CPU 14 to various I/O interfaces: a hard disk drive interface 21, a floppy disk drive interface 24, a CD-ROM interface 27, a serial port interface 30, and a network interface 34. A video adapter 32 is also connected to the system bus 18 and to a monitor 31. External devices are connected to the interfaces: a mouse 23 to the floppy disk drive interface 24; a mouse 29 to the serial port interface 30; and a modem 35 to the network interface 34. The network interface 34 is connected to a remote computer 11 via a local area network 12 and a wide area network 13. The remote computer 11 includes its own system memory 38 with application programs 37A and 37B, and an operating system 36. A keyboard 28 is connected to the remote computer 11.

PRINT OF DRAWINGS
AS ORIGINALLY FILED

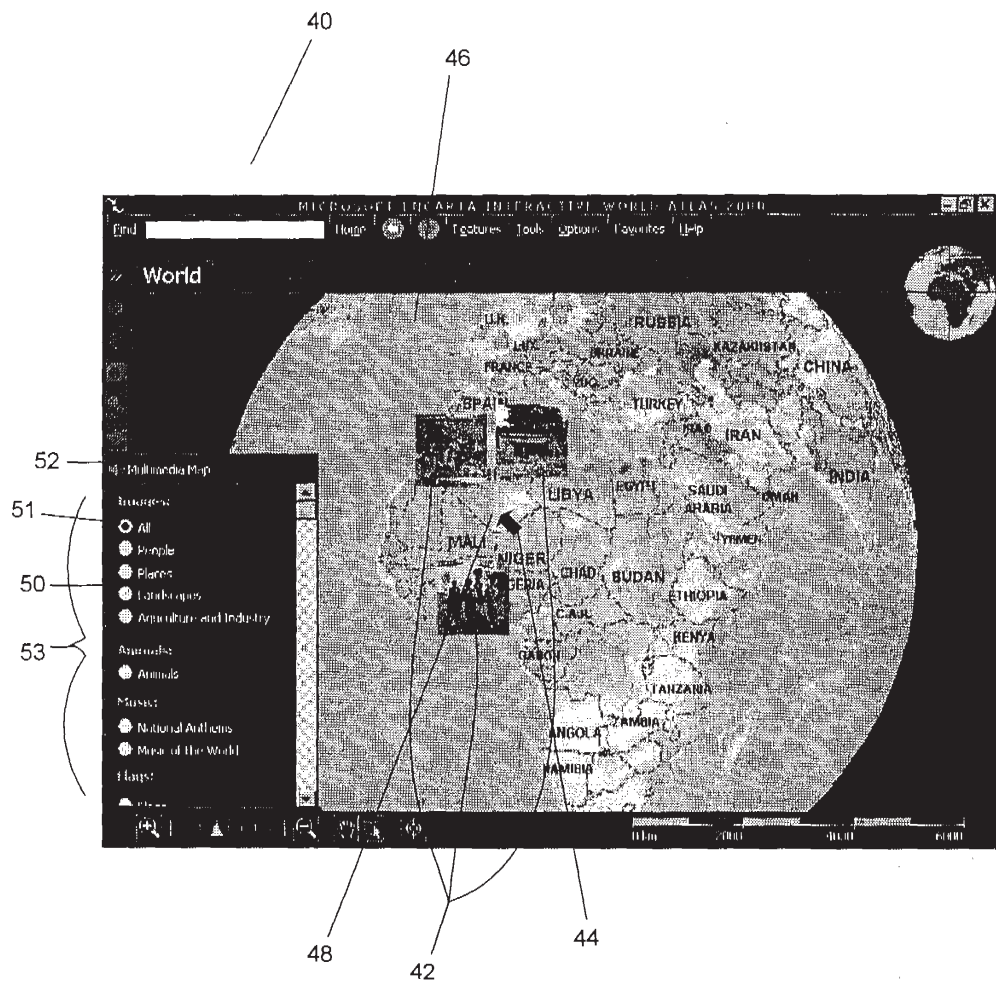


FIG. 2

PRINT OF DRAWINGS
AS ORIGINALLY FILE

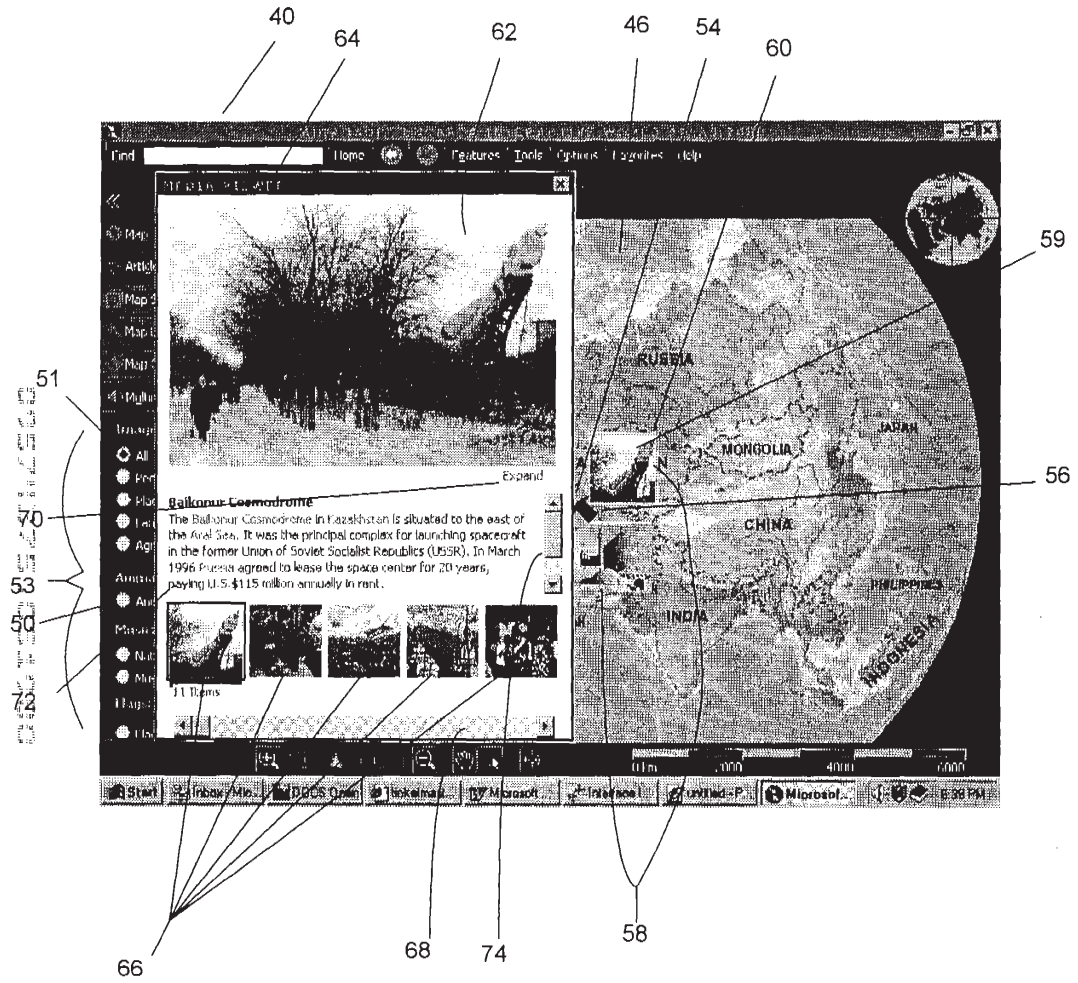


FIG. 3

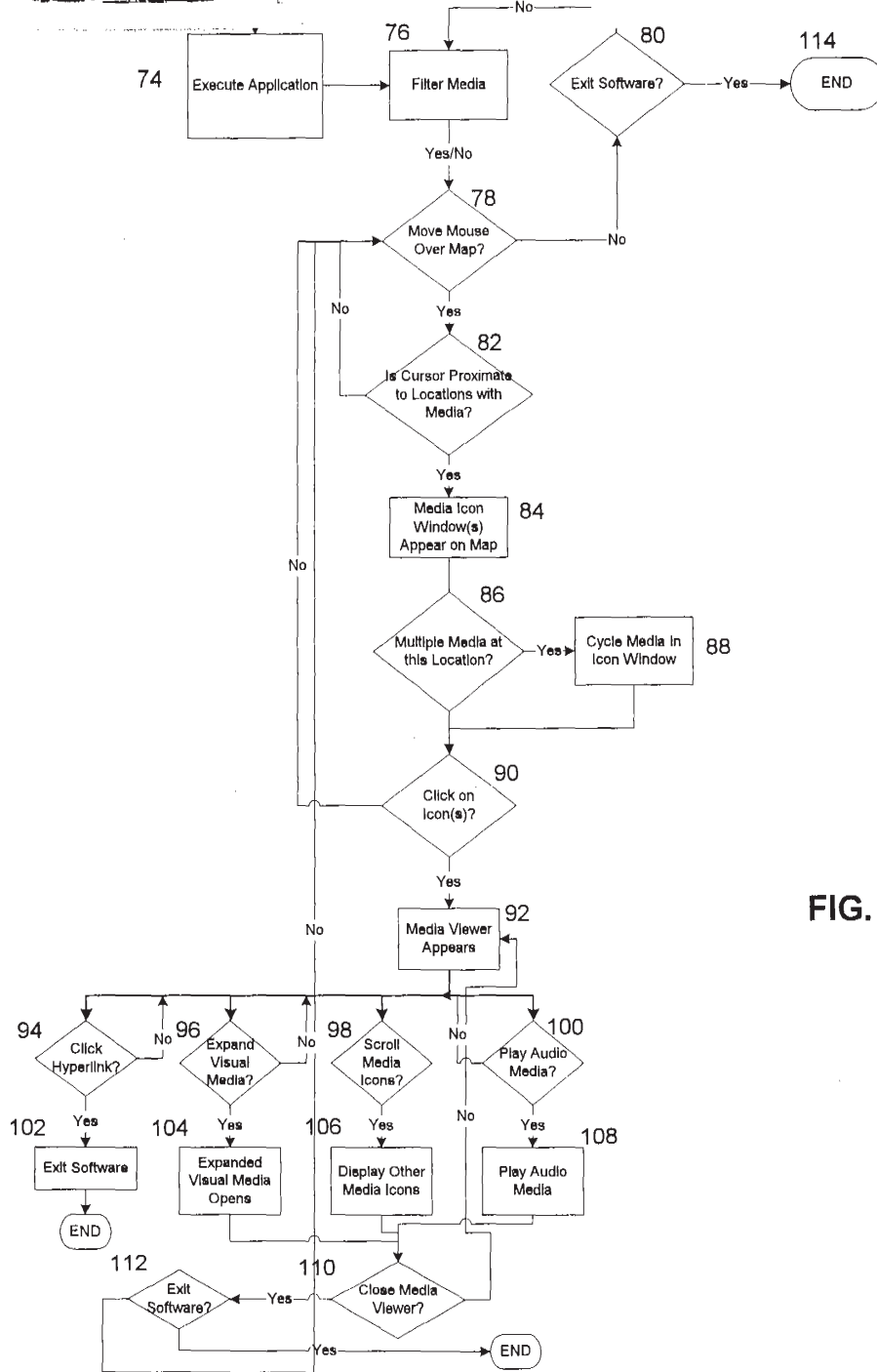


FIG. 4

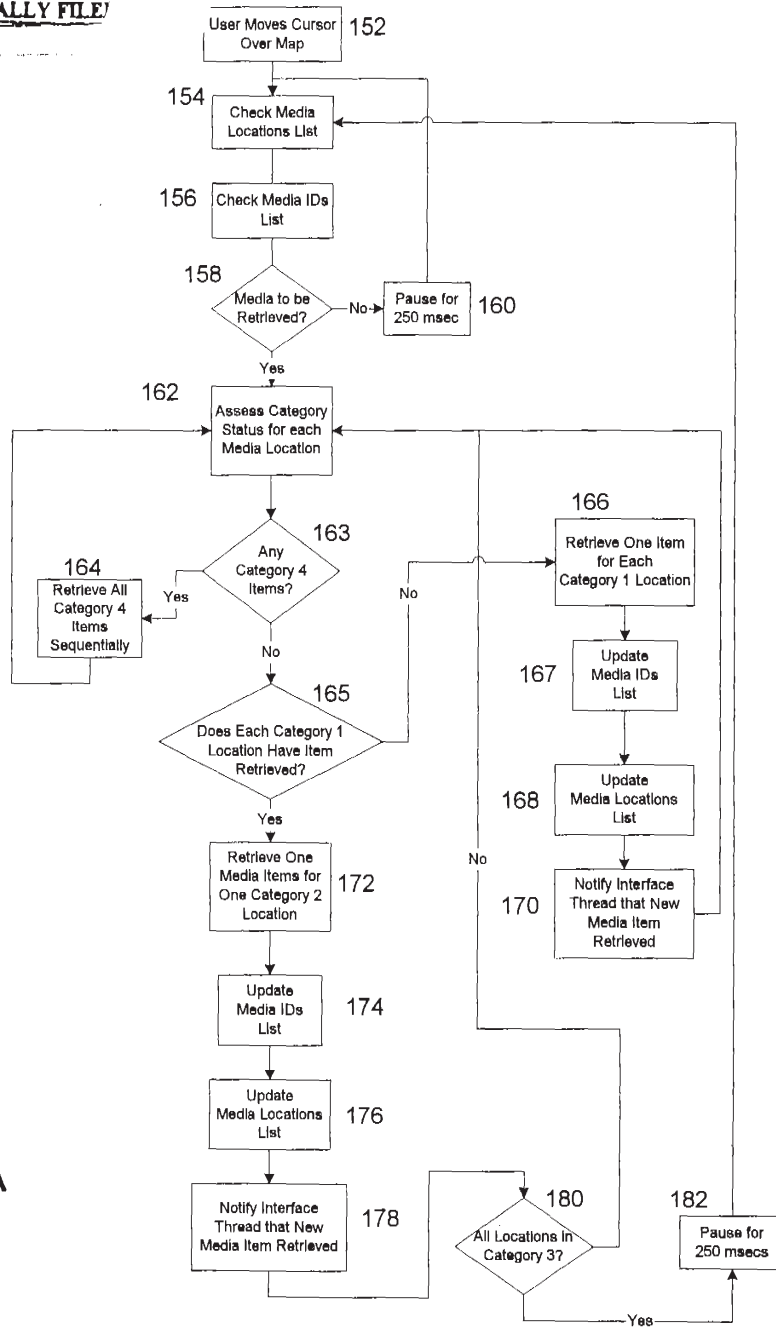
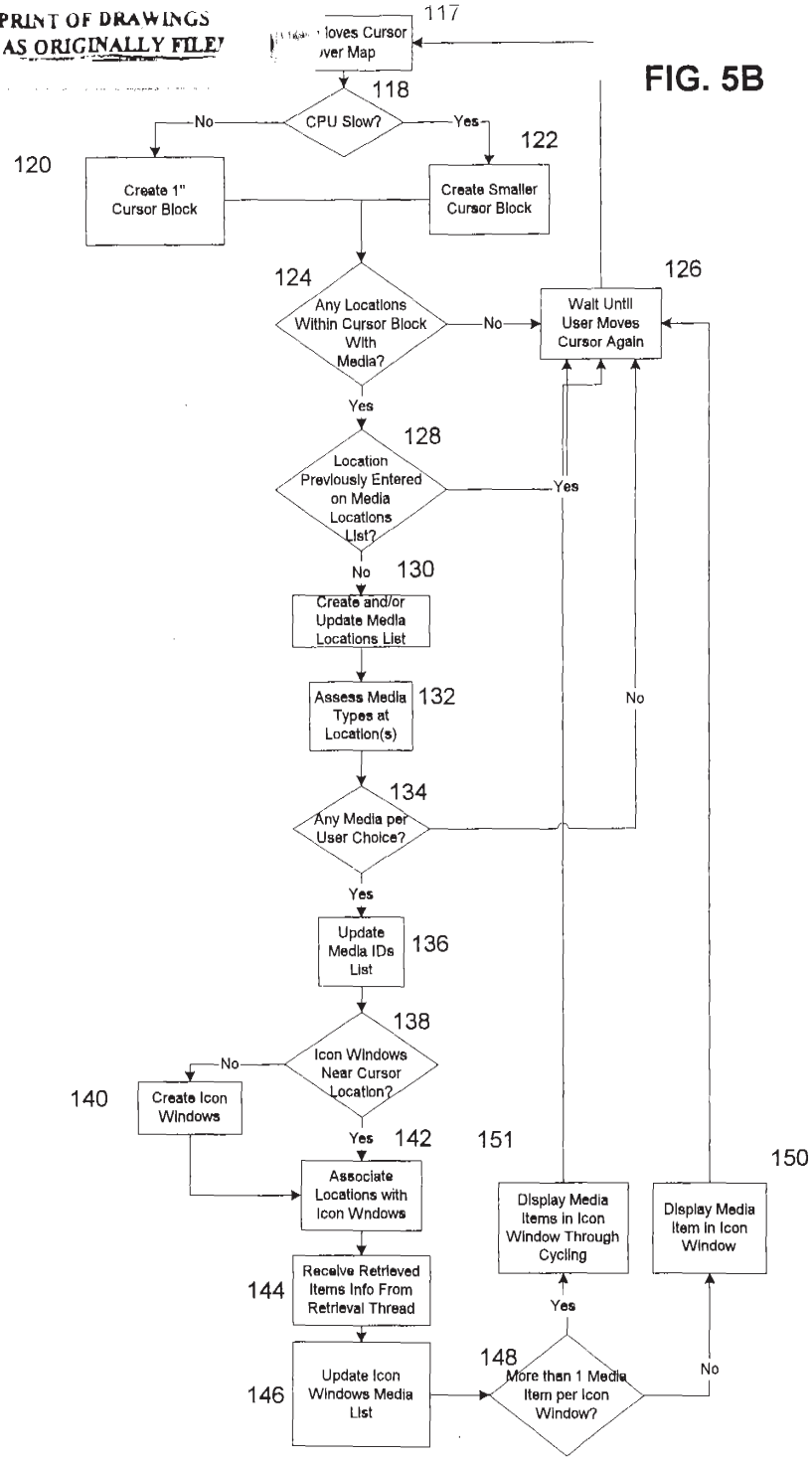


FIG. 5A

FIG. 5B



**PRINT OF DRAWINGS
AS ORIGINALLY FILED**

DECLARATION AND POWER OF ATTORNEY Attorney's Docket No. 06576.105004(MS No. 150434.1)

In re Application of: **William T. Flora, Robert Edward Parkin, Christopher R. Fox and Gregory R. Slayden**

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<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>		
None			Yes	No	X

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

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Application No.)</u>	<u>(Filing Date)</u>

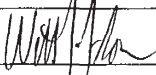
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Send correspondence to: **King & Spalding** Direct telephone calls at (404) 572-4600
191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303
Curtis L. Doster

Full name of first inventor: William T. Flora	Citizenship: U.S.A.
Inventor's signature 	Date: 5-18-00
Residence and Post Office Address: 1522 E. Mercer Street, Seattle, Washington 98112	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/574,375	05/19/2000	William T. Flora	06576.105004(MS#150434.1)	7343

7590 03/26/2003
King & Spalding
191 Peachtree Street NE 45th Floor
Atlanta, GA 30303

EXAMINER

BAYERL, RAYMOND J

ART UNIT PAPER NUMBER

2173

DATE MAILED: 03/26/2003

2

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

Office Action Summary

Application No. 09/574,375	Applicant(s) Flora et al.
Examiner R. Bayer	Group Art Unit 2173

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE 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 response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- Responsive to communication(s) filed on _____.
- 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*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- Claim(s) 1-14 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- Claim(s) 12-14 is/are allowed.
- Claim(s) 1-6, 8-11 is/are rejected.
- Claim(s) 7 is/are objected to.
- Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- The proposed drawing correction, filed on _____ is approved disapproved.
- The drawing(s) filed on _____ is/are objected to by the Examiner.
- 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 (a)-(d)

- Acknowledgment 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 1.7.2(a)).
- *Certified copies not received: _____

Attachment(s)

- Information Disclosure Statement(s), PTO-1449, Paper No(s) _____
- Interview Summary, PTO-413
- Notice of References Cited, PTO-892
- Notice of Informal Patent Application, PTO-152
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Other _____

Office Action Summary

Serial Number: 09/574,375

Page 2

Art Unit: 2173

1. Claim 4 is objected to because of the following informalities: "peed" (speed?), line 2. Appropriate correction is required.

2. Claims 3, 4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 3, "[t]he method of claim 1" is unclear, in view of "the predetermined threshold". Since this limitation does not appear until claim 2, the Examiner presumes this to have been applicant's intention.

As per claim 4, what is meant by "[t]he method of claim 4"? The Examiner presumes the parent claim here to be claim 2 as well, because of "the predetermined threshold boundary".

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.

Serial Number: 09/574,375

Page 3

Art Unit: 2173

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103[®] and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 1, 5 - 6, 8 - 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over PC Globe Version 5.0 User's Guide ("PC Globe") in view of Burg et al. ("Burg", US #6,362,840 B1).

Claim 1's "media items providing supplemental content", ~~are~~ indexed "to a location on the GUI", with indication provided when "the position indicator is located proximate to" such a location is suggested by PC Globe, whose Point & Shoot feature (pp 10, 11, 23) allow additional information such as a graphic of a national flag to be presented in conjunction with a map display.

RB

Serial Number: 09/574,375

Page 4

Art Unit: 2173

PC Globe does not teach applicant's use of "an indicator representing the media item" that may be "selected" for "presenting the supplemental content". However, such techniques were known at the time of applicant's invention, as in Burg. There, when a cursor enters a link area, presenting an icon...visually representing a service (col 1, lines 48 - 56) occurs.

It would have been obvious to the person having ordinary skill in the art at the time of applicant's invention to show the existence of PC Globe's additional map information in the Point & Shoot mode by popping up an icon as per Burg, since this gives a more immediate, context-coordinated indication than the original text line supplied in PC Globe.

The "reduced-pixel display image" of claim 5 is suggested by Burg, whose icon itself brings to mind the service without the need for a text description (col 7, line 13 - col 8, line 12). Burg's video services suggests the use of a "window frame" for the "media" (claim 6).

A selection between "categories representing types of supplemental content" for conditional display (claim 8) is clearly a part of PC Globe's selective map display (as at page 22). When the pointer moves off an object in either PC Globe or

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Page 5

Art Unit: 2173

Burg, "terminating a presentation" will be the result (claim 9). PC Globe allows a "scalable" presentation of map information, with a variable "number of locations" (claim 10). PC Globe is computer software with "computer-executable instructions" (claim 11).

6. Claims 2, 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over PC Globe in view of Burg and Wistendahl et al. ("Wistendahl"; US #5,708,845).

While it certainly stands to reason that any pointer-reactive system such as PC Globe or Burg will need some reference against which to test cursor position, claim 2's "threshold boundary" is not directly taught. However, as clearly indicated in fig 2, Wistendahl create HOT SPOTS comprising such "boundary" outlines in an INTERACTIVE DIGITAL MEDIA PROGRAM. It would also have been obvious to the person having ordinary skill in the art to use Wistendahl's "threshold boundary" in the PC Globe/Burg combination, since this allows control over just what locus of positions will bring up the supplemental content icon. As in claim 3, Wistendahl's "boundary" may be "rectangular".

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Art Unit: 2173

7. Claim 4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

While a reference like Wistendahl certainly suggests a need for some form of intelligent control over "the size of the predetermined threshold boundary", such prior art as is made of record does not teach or suggest that this be made on the basis of "relative processing speed".

8. Claim 7 is 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.

The Burg interface, in showing an "indicator", fails to teach or suggest that "each indicator for the media items" is called up by "cycling through". The other prior art made of record comes no closer than this.

9. Claims 12 - 14 are allowable over the prior art made of record.

The "geographic map" of claim 12, with detection of "a position indicator" and retrieval of "a media item", is suggested by the combination of PC Globe and Burg, as indicated above.

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However, the sorting of an "identified location"'s information to "status categories", as is particularly recited in claim 12, is not taught nor suggested by the more basic hypermedia linking of these closest references.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The remaining US Patent documents made of record generally pertain to applicant's general problem of hyperlinking supplementary content to a principal content presentation.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond J. Bayerl whose telephone number is (703) 305-9789. The examiner can normally be reached on M - F from 9:00 AM to 4:30 PM.


12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached on (703) 308-3116. The fax phone number for the organization where this application or proceeding is assigned is (703) 746-7239 for Official submissions, (703) 746-7238 for filings after final rejection and (703) 746-7240 for non-official communications.

Serial Number: 09/574,375

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


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173
24 March 2003

Notice of References Cited		Application No.	Applicant(s)			
		09/574,375	Flora et al.			
		Examiner	Group Art Unit	Page		
		RBayerl	2173	1 of 1		
U.S. PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	
A	5,708,845 A	1/1998	Wistendahl et al.	715	500-1	
B	6,175,840 B1	1/2001	Chen et al.	715	501.1	
C	6,229,524 B1	5/2001	Chernock et al.	345	719X	
D	6,229,541 B1	5/2001	Kamen et al.	345	719	
E	2001/0033296 A1	10/2001	Fullerton et al.	345	730	
F	6,362,840 B1	3/2002	Burg et al.	345	835	
G						
H						
I						
J						
K						
L						
M						
FOREIGN PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						
NON-PATENT DOCUMENTS						
*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE	
U	PC Globe Version 5.0 User's Guide, PC Globe, Inc., pp. 1-2, 4, 10-11, 22-23.				1992	
V						
W						
X						

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Part of Paper No. 2

PATENTS

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of: Docket No. 06576.105004 (MS#190434.1)
William T. Flora et al. Examiner: **Raymond J. Bayerl**
 Serial No.: 09/574,373 Art Unit: 2173
 Filed: May 19, 2003
 For: **System and Method for Displaying Media Interactively on a Video Display Device**

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

Sir:


Transmitted herewith are papers in the above-identified application.

- Amendment and Response.
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 has been established by a verified statement.
- A verified statement to establish small entity status under 37 C.F.R. §1.9 and §1.27 is enclosed.
- No additional fee is required.
- The additional fee is calculated as shown below:


	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		LARGE ENTITY	
					RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	20	MINUS	14=	0	x9	\$	x18	\$0
INDEP.	3	MINUS	2=	0	x42	\$	x84	\$0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					+140	\$	+280	\$
TOTAL								
ADDITIONAL FEE \$					\$		0	

- A check in the amount of \$_____ is attached.
- The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16, or credit any overpayment to Account No. 11-0980. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being facsimile transmitted to Mail Stop Non-Fee Amendment, Commissioner for Patents, Alexandria, VA 20231, Attention Examiner Bayerl, Group Art Unit 2173, Facsimile No. 703.746.7239, on June 25, 2003.


 James M. Hannon, Reg. No. 48,565

KING & SPALDING, LLP
 45th Floor
 191 Peachtree Street, N.E.
 Atlanta, Georgia 30303
 Telephone: 404.572.4600

By: 
 James M. Hannon, Reg. No. 48,565

Received from < 404 572 5145 > at 6/25/03 9:08:37 AM [Eastern Daylight Time]

DUPLICATE

PATENTS

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of: **William T. Flora et al.**
 Serial No.: **09/574,375**
 Filed: **May 19, 2003**
 For: **System and Method for Displaying Media Interactively on a Video Display Device**

Docket No. **06576.105004 (MS#150434.1)**
 Examiner: **Raymond J. Bayerl**
 Art Unit: **2173**

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

Sir:

Transmitted herewith are papers in the above-identified application.

- Amendment and Response.
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 has been established by a verified statement.
- A verified statement to establish small entity status under 37 C.F.R. §1.9 and §1.27 is enclosed.
- No additional fee is required.
- The additional fee is calculated as shown below:

		SMALL ENTITY			LARGE ENTITY			
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	20	MINUS	14	0	x9	\$	x18	\$0
INDEP.	3	MINUS	2	0	x42	\$	x84	\$0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					+140	\$	+280	\$
TOTAL								
ADDITIONAL FEE \$						\$		0

- A check in the amount of \$ ___ is attached.
- The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16, or credit any overpayment to Account No. 11-0980. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being facsimile transmitted to Mail Stop Non-Fee Amendment, Commissioner for Patents, Alexandria, VA 20231, Attention Examiner Bayerl, Group Art Unit 2173, Facsimile No. 703.746.7239, on June 25, 2003.

James M. Hannon
 James M. Hannon, Reg. No. 48,565

KING & SPALDING, LLP
 45th Floor
 191 Peachtree Street, N.E.
 Atlanta, Georgia 30303
 Telephone: 404.572.4600

By: *James M. Hannon*
 James M. Hannon, Reg. No. 48,565

#3/A
626-03
B. Hilliard

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
William T. Flora, et al.)	Examiner: Raymond J. Bayerl
)	
Serial No. 09/574,375)	Art Unit: 2173
)	
Filed: May 19, 2000)	
)	
For: SYSTEM AND METHOD FOR DISPLAYING)	
MEDIA INTERACTIVELY ON A VIDEO)	
DISPLAY DEVICE)	

Official
6/25/03

AMENDMENT AND RESPONSE

Mail Stop Non-Fee Amendment
Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated March 26, 2003, please enter the following additions and amendments to the claims and consider the appended remarks.

[This portion is intentionally left blank]

I hereby certify that this correspondence is being facsimile transmitted to the Commissioner for Patents, Alexandria, VA 20231, Attention: Examiner Bayerl, Group Art Unit 2173, Facsimile No. 703-746-7239, on June 25, 2003.

James M. Hannon
James M. Hannon, Reg. No. 48,565

Received from <404-572-5145> at 6/25/03 9:08:37 AM [Eastern Daylight Time]

Serial No. 09/574,375

AMENDMENT TO CLAIMS

Please amend the following claims as indicated:

Sub B

A

1. (Original) A method for interactively presenting one or more media items providing supplemental content for a graphical user interface (GUI) that supports the presentation of primary content via an output device, comprising the steps of:
 - determining whether a position indicator is located proximate to a location on the GUI, the location associated with at least one of the media items;
 - if the position indicator is located proximate to the location associated with one of the media items, then displaying an indicator representing the media item, the indicator providing an indication that supplemental content supported by the media item is available for presentation in connection with the location;
 - determining whether the indicator has been selected in response to receipt of an input signal issued by an input device; and
 - if the indicator has been selected, then presenting the supplemental content for the media item corresponding to the selected indicator via the output device.

2. (Original) The method of claim 1 wherein the step of determining whether a position indicator is located proximate to a location on the GUI comprises identifying whether the position indicator has entered a predetermined threshold boundary positioned proximate to and surrounding the location.

3. (Currently Amended) The method of claim 1, wherein the predetermined threshold boundary is defined by a rectangular area centered about the coordinates of the GUI location.

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4. (Currently Amended) The method of claim 4-2, further comprising the steps of:
determining the relative processing speed of a computer system for presenting the GUI; and
adjusting the size of the predetermined threshold boundary based upon the relative processing speed of the computer system.

5. (Original) The method of claim 1 wherein the indicator representing the media item comprises a reduced-pixel display image for presentation via the output device.

6. (Original) The method of claim 1 wherein the step of presenting the media item comprises displaying a digital photographic image via a window frame rendered on the output device.

7. (Original) The method of claim 1, further comprising the step of displaying each indicator for the media items associated with the location of the position indicator by cycling through a visual presentation of each indicator.

8. (Original) The method of claim 1, further comprising the steps of:
assigning the media items to one of two categories representing types of supplemental content; and
determining whether at least one of the categories is selected; and
if at least one of the categories is selected, then displaying the indicator only if the indicator is associated with one of the media items in the user-selected category.

9. (Original) The method of claim 1, further comprising the step of terminating a presentation of the indicator representing the media item after the position indicator is moved away from the location and upon expiration of a predetermined time period.

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10. (Original) The method of claim 1, wherein the GUI is scalable and further comprising the step of adjusting the number of locations that support the presentation of the indicator representing one of the media items based on the adjusted scale of the GUI.

11. (Original) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 1.

12. (Original) A method for identifying and retrieving one or more media items for the purpose of presenting said media items upon an output device, comprising the steps of:

displaying a GUI comprising an electronic geographic map upon the output device;

determining whether a position indicator is located proximate to a first location on the electronic map, the location associated with at least one of the media items;

if so, retrieving a media item associated with the first location into a memory storage device;

determining whether the position indicator is proximate to at least one additional location on the electronic map, the location associated with one of the media items;

if so, identifying all locations proximate to the position indicator;

assigning each identified location to status categories consisting as follows:

category 1: no media items associated with the location have been retrieved; and

category 2: at least one media item associated with the location has been retrieved;

retrieving at least one of the media items for each location in category 1;

retrieving at least one of the media items for each location in category 2;

reassigning each identified location to the appropriate category upon retrieving each media item associated therewith; and

restarting the steps of identifying and assigning locations and retrieving the media items upon determining that the position indicator is proximate a new location on the electronic map.

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AX
13. (Original) The method of claim 12, further comprising the steps of:
assigning the media items to one of two categories representing types of supplemental content;
determining whether at least one of the categories is selected; and
if at least one of the categories is selected, then retrieving only those media items assigned to the user selected category.

14. (Original) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 12.

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AX
15. (New) A method for interactively presenting one or more graphical media items providing supplemental content for a graphical user interface (GUI) that supports the presentation of primary content, comprising the steps of:
determining whether a position indicator is located proximate to a location, the location associated with a plurality of the media items;
if the position indicator is located proximate to the location associated with the plurality of media items, then displaying a plurality of graphical media indicators for the plurality of media items associated with the location of the position indicator by cycling through a visual presentation of the plurality of graphical media indicators, each graphical media indicator providing an indication that supplemental content supported by each media item is available for presentation in connection with the location;
determining whether the one of the plurality of graphical media indicators has been selected in response to receipt of an input signal, and
if one of the plurality of graphical media indicators has been selected, then presenting the supplemental content for the media item corresponding to the selected graphical media indicator.

16. (New) The method of Claim 15, wherein the position indicator and at least one of the plurality of graphical media indicators are displayed at the same time.

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17. (New) The method of Claim 15, wherein the step of determining whether a position indicator is located proximate to a location comprises identifying whether the position indicator has entered a predetermined threshold boundary positioned proximate to the surrounding location.

18. (New) The method of Claim 17, wherein a first area for the predetermined threshold boundary is greater than a second area for the location associated with the plurality of media items.

19. (New) The method of Claim 15, wherein at least one of the plurality of graphical media indicators representing the plurality of media items comprises a reduced-pixel display image for presentation via an output device.

20. (New) The method of Claim 15 further comprising the steps of:
assigning at least one of the plurality of media items to a first category and a second category representing types of supplemental content;
determining if the first category or the second category is selected; and
if one of the categories is selected, then displaying each of the plurality of graphical media indicators associated with one of the media items assigned to the selected category.

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REMARKS

The Applicants and the undersigned thank Examiner Bayerl for a careful review of this application. Consideration of the present application is respectfully requested in light of the above amendments to the claims, and in view of the following remarks. Claims 1-6 and 8-11 have been rejected and Claims 4 and 7 have been objected to. Claims 12-14 have been allowed. Applicants have amended Claims 3 and 4. Furthermore, Applicants have added new Claims 15-20. Upon entry of the amendments and additions, Claims 1-20 are pending in the subject application with Claims 12-14 having been allowed.

Claim Objections Due to Informalities

Claim 4 was objected to by Examiner due to an informality. More specifically, Claim 4 was objected to by Examiner for containing the term "peed" in line 2 of the claim. Applicants have amended Claim 4 by replacing the term "peed" with the term "speed" to address this objection due to informality. Accordingly, Applicants respectfully request the withdrawal of Examiner's objection to Claim 4.

Claim Rejections Under 35 U.S.C. § 112 ¶ 2

The Examiner rejected Claims 3 and 4 under 35 U.S.C. § 112 ¶ 2 as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. The Examiner rejected Claim 3 for failure to secure proper antecedent basis in the parent claim for the term "predetermined threshold." Applicants have amended Claim 3 to ensure proper antecedent basis and to address this rejection of form. Accordingly, Applicants respectfully request the withdrawal of the Section 112 rejection of Claim 3.

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Examiner rejected Claim 4 for claiming to depend on Claim 4, thereby being both the parent and dependent claim simultaneously. Applicants have amended Claim 4 to depend from Claim 2. Accordingly, Applicants respectfully request the withdrawal of the Section 112 rejection of Claim 4.

Claim Rejections Under 35 U.S.C. § 103(a)

The Examiner rejected Claims 1, 5-6, and 8-11 under 35 U.S.C. § 103(a) as being unpatentable over *PC Globe Version 5.0 User's Guide* ("*PC Globe*") in view of U.S. Patent No. 6,362,840 to Burg, et al. ("*Burg*"). The Examiner rejected Claims 2 and 3 under 35 U.S.C. § 103(a) as being unpatentable over *PC Globe* in view of *Burg* and U.S. Patent No. 5,708,845 to Wistendahl, et al. ("*Wistendahl*"). The Applicants respectfully offer the following remarks to traverse these pending rejections.

Independent Claim 1 is Distinguishable from *PC Globe* in view of the *Burg* Patent

***PC Globe* Fails to Describe or Suggest All of the Recitations of Independent Claim 1**

Applicants respectfully submit that the *PC Globe* reference alone or in combination with *Burg* fails to teach or suggest all of the recitations enumerated in independent Claim 1. The Examiner has admitted that *PC Globe* fails to disclose the recitations of representing a media item with a graphical media indicator which may be selected for presenting supplemental content. (Official Action p. 4, lines 1-3). Moreover, Applicants submit that *PC Globe* fails to teach or suggest displaying an indicator representing the media item if the position indicator is located proximate to the location associated with one of the media items, as recited in Claim 1.

Claim 1 recites the step of displaying an indicator representing the media item if the position indicator is located proximate to the location associated with one of the media items.

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The indicator representing the media item provides an indication that supplemental content, supported by the media item, is available for presentation in connection with the location. Applicants acknowledge the Examiner's citation of pages 10, 11, and 23 of *PC Globe* to support an assertion that *PC Globe* suggests indicating that supplemented content is indexed to a location on the GUI when the Point and Shoot feature allows information, such as a graphic of a national flag, to be presented in conjunction with a map display. (Official Action p. 3). Applicants respectfully submit that the Official Action misconstrues the significance of displaying multiple images on page 22 of *PC Globe*.

PC Globe teaches the ability to display a national flag in conjunction with a map. (*PC Globe*, p. 22). The ability to display the national flag in conjunction with a map is achieved by making a selection from a drop-down menu. *Id.* As explained on p. 23 of *PC Globe*, the Zimbabwe flag is presented adjacent to a country map of Zimbabwe in response to a user's selection of the "Flag and National Anthem" item of the "Country" menu. The combined national flag and map of *PC Globe* are not displayed when a position indicator is located proximate to the location associated with one of the media items, as required by Claim 1. In contrast to the invention of Claim 1, the national flag of a country is not presented to the user in response to moving an indicator, such as a cursor, over the country map. Thus, the combined national flag and map of *PC Globe* are not "indexed 'to a location on the GUI'" as alleged by the Official Action.

Furthermore, once a user makes a selection from the drop-down menu, *PC Globe* will "display the flag and play the national anthem of the active country." (*PC Globe* 22-23) The ability to select data from a drop down menu is not akin to displaying an indicator representing the media item. In *PC Globe*, the user must search for the location of the supplemental content,

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while the invention of Claim 1 displays an indicator representing the media item which supports the supplemental content. This indicator of Claim 1 provides the user with a visual cue that supplemental content for a media item is available for presentation in connection with the media item location. Furthermore, the national flag and the map of *PC Globe* are the supplemental content supported by the media item, and not a display of an indicator representing the media item, as required by independent Claim 1.

Therefore, Applicants respectfully submit that the Examiner has failed to show that the *PC Globe* reference in combination with *Burg* teaches or suggests all of the recitations enumerated in independent Claim 1.

Claim 4 and 7 Objections for Depending From a Rejected Base Claim

Examiner has objected to Claims 4 and 7 as being dependent upon a rejected base claim. Claims 4 and 7 depend from independent Claim 1. Applicants, in the above paragraphs, have successfully traversed all rejections to amended independent Claim 1. In view of the foregoing, Applicants respectfully request that the Examiner withdraw the present objection of dependent Claims 4 and 7.

Addition of New Claims 15-20

Applicants have added new independent Claim 15 and dependent Claims 16-20. The new claims recite subject matter corresponding to recitations found in earlier-filed claims. For example, new Claim 15 represents a combination of the subject matter defined by independent Claim 1 and dependent Claim 7. The new claims find clear support in the specification and do not contain new matter or new terminology.

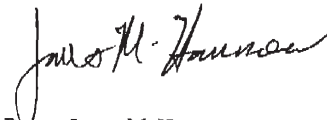
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CONCLUSION

The foregoing is submitted as a full and complete response to the Official Action mailed on March 26, 2003. Applicants have shown above that the claims are allowable over the art cited by the Examiner and respectfully request that the Examiner withdraw the pending rejections to Claims 1-11 and pass to allowance new Claims 15-20.

If the Examiner believes that there are any issues which can be resolved by a telephone conference, or that there are any informalities which can be corrected by an Examiner's amendment, a telephone call to the undersigned at (404) 572-4600 to discuss same is respectfully requested.

Respectfully submitted,



By: James M. Hannon
Reg. No. 48,565

KING & SPALDING LLP
191 Peachtree Street, N.E.
Atlanta, Georgia 30303
(404) 572-4600
MS: 150434.1/ K&S: 06576-105004



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/574,375	05/19/2000	William T. Flora	06576.105004(MS#150434.1)	7343

7590 07/28/2003
King & Spalding
191 Peachtree Street N E 45th Floor
Atlanta, GA 30303

EXAMINER

BAYERL, RAYMOND J

ART UNIT PAPER NUMBER

2173

DATE MAILED: 07/28/2003

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

2

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Page 2

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1. Claims 15 - 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Since "a plurality of graphical media indicators" is displayed at line 7, what is the antecedent basis intended for "the one of the plurality of graphical media indicators" at line 12?

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 5 - 6, 8 - 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over PC Globe Version 5.0 User's Guide ("PC Globe") in view of Burg et al. ("Burg", US #6,362,840 B1).

Claim 1's "media items providing supplemental content" are indexed "to a location on the GUI", with indication provided when "the position indicator is located proximate to" such a location is suggested by PC Globe, whose Point & Shoot feature (pp 10, 11, 23) allow additional information such as a graphic of a national flag to be presented in conjunction with a map display.

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PC Globe does not teach applicant's use of "an indicator representing the media item" that may be "selected" for "presenting the supplemental content". However, such techniques were known at the time of applicant's invention, as in Burg. There, when a cursor enters a link area, presenting an icon...visually representing a service (col 1, lines 48 - 56) occurs.

It would have been obvious to the person having ordinary skill in the art at the time of applicant's invention to show the existence of PC Globe's additional map information in the Point & Shoot mode by popping up an icon as per Burg, since this gives a more immediate, context-coordinated indication than the original text line supplied in PC Globe.

The "reduced-pixel display image" of claim 5 is suggested by Burg, whose icon itself brings to mind the service without the need for a text description (col 7, line 13 - col 8, line 12). Burg's video services suggests the use of a "window frame" for the "media" (claim 6).

A selection between "categories representing types of supplemental content" for conditional display (claim 8) is clearly a part of PC Globe's selective map display (as at page

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Page 4

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22). When the pointer moves off an object in either PC Globe or Burg, "terminating a presentation" will be the result (claim 9). PC Globe allows a "scalable" presentation of map information, with a variable "number of locations" (claim 10). PC Globe is computer software with "computer-executable instructions" (claim 11).

4. Claims 2, 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over PC Globe in view of Burg and Wistendahl et al. ("Wistendahl"; US #5,708,845).

While it certainly stands to reason that any pointer-reactive system such as PC Globe or Burg will need some reference against which to test cursor position, claim 2's "threshold boundary" is not directly taught. However, as clearly indicated in fig 2, Wistendahl create HOT SPOTS comprising such "boundary" outlines in an INTERACTIVE DIGITAL MEDIA PROGRAM. It would also have been obvious to the person having ordinary skill in the art to use Wistendahl's "threshold boundary" in the PC Globe/Burg combination, since this allows control over just what locus of positions will bring up the supplemental content icon. As in claim 3, Wistendahl's "boundary" may be "rectangular".

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5. Applicant's arguments filed 25 June 2003 have been fully considered but they are not persuasive.

At page 8, applicant attempts to show that "Independent Claim 1 is Distinguishable from PC Globe in view of the Burg Patent", by noting that "PC Globe Fails to Describe or Suggest All of the Recitations of Independent Claim 1". However, this does not take into account the combination with Burg; the Examiner concedes that PC Globe alone is insufficient to read on the claims.

Applicant elaborates at page 9 by arguing that "[t]he combined national flag and map of PC Globe are not displayed when a position indicator is located proximate to the location associated with one of the media items". However, the Examiner had intended Burg to show the display of context-emplaced indicator icons, in a mouse-over mode like that of PC Globe.

Also on page 9, applicant argues that because "the national flag of a country is not presented to the user in response to moving an indicator, such as a cursor, over the country map", "the combined national flag and map of PC Globe are not 'indexed to a location on the GUI'". However, it remains that the Point and Shoot method of PC Globe is one in which coordinates

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on the map have mapped to them the information obtained through further inquiry.

6. Claims 15 - 20 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

7. Claims 4, 7 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.

8. Claims 12 - 14 are allowable over the prior art made of record.

The previous office action contains reasons for the allowance of those claims indicated immediately above, directed to particular modes of supplemental media indication and retrieval that were not suggested by the prior art made of record.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is

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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 date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond J. Bayerl whose telephone number is (703) 305-9789. The examiner can normally be reached on M - F from 9:30 AM to 5:00 PM.

11. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached on (703) 308-3116. The fax phone number for the


Serial Number: 09/574,375

Page 8

Art Unit: 2173

organization where this application or proceeding is assigned is (703) 746-7239 for Official submissions, (703) 746-7238 for filings after final rejection and (703) 746-7240 for non-official communications.

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


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

23 July 2003

PATENTS
IN THE U.S. PATENT AND TRADEMARK OFFICE

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In re application of: **William T. Flora et al.**
 Serial No.: **09/574,375**
 Filed: **May 19, 2003**
 For: **System and Method for Displaying Media Interactively on a Video Display Device**

Docket No. **06576.105004 (MS#150434.1)**
 Examiner: **Raymond J. Bayerl**
 Art Unit: **2173**

Mail Stop AF- AFTER FINAL AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450
 Sir:

Transmitted herewith are papers in the above-identified application.

- Response Under 37 CFR § 1.116.
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 has been established by a verified statement.
- A verified statement to establish small entity status under 37 C.F.R. §1.9 and §1.27 is enclosed.
- No additional fee is required.
- The additional fee is calculated as shown below:

		SMALL ENTITY			LARGE ENTITY			
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	19	MINUS	20=	0	x9	\$	x18	\$0
INDEP.	3	MINUS	3=	0	x42	\$	x84	\$0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					+140	\$	+280	\$
TOTAL								
ADDITIONAL FEE \$					\$		\$	0

- A check in the amount of \$ ____ is attached.
- The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16, or credit any overpayment to Account No. 11-0980. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being facsimile transmitted to Mail Stop AF- After Final Amendment, Commissioner for Patents, Alexandria, VA 20231, Attention Examiner Bayerl, Group Art Unit 2173, Facsimile No. 703.746.7238, on September 29, 2003.

James M. Hannon

 James M. Hannon, Reg. No. 48,565

KING & SPALDING, LLP
 45th Floor
 191 Peachtree Street, N.E.
 Atlanta, Georgia 30303
 Telephone: 404.572.1600

By: *James M. Hannon*

 James M. Hannon, Reg. No. 48,565

PATENTS
 IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of: **William T. Flora et al.**
 Serial No.: **09/574,375**
 Filed: **May 19, 2003**
 For: **System and Method for Displaying Media Interactively on a Video Display Device**

Docket No. **06576.105004 (MS#150434.1)**
 Examiner: **Raymond J. Bayerl**
 Art Unit: **2173**

Mail Stop AF- AFTER FINAL AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith are papers in the above-identified application.

- Response Under 37 CFR § 1.116.
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 has been established by a verified statement.
- A verified statement to establish small entity status under 37 C.F.R. §1.9 and §1.27 is enclosed.
- No additional fee is required.
- The additional fee is calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		LARGE ENTITY	
					RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	19		20=	0	x9	\$	x18	\$0
INDEP.	3		3=	0	x42	\$	x84	\$0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					+140	\$	+280	\$
TOTAL ADDITIONAL FEE \$					\$		0	

- A check in the amount of \$ _____ is attached.
- The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16, or credit any overpayment to Account No. 11-0980. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being facsimile transmitted to Mail Stop AF- After Final Amendemnt, Commissioner for Patents, Alexandria, VA 20231, Attention Examiner Bayerl, Group Art Unit 2173, Facsimile No. 703.746.7238, on September 29, 2003.

James M. Hannou
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By: *James M. Hannou*
 James M. Hannou, Reg. No. 48,565

#5/B
10-8-03
B. Hilliard

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
William T. Flora, et al.)	Examiner: Raymond J. Bayerl
)	
Serial No. 09/574,375)	Art Unit: 2173
)	
Filed: May 19, 2000)	
)	
For: SYSTEM AND METHOD FOR DISPLAYING)	
MEDIA INTERACTIVELY ON A VIDEO)	
DISPLAY DEVICE)	

Please
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Amdt B
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9 Oct 2003

RESPONSE UNDER 37 C.F.R. § 1.116

Mail Stop AF - AFTER FINAL AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Official Action mailed July 28, 2003, please enter the following amendments. Please re-examine and reconsider the application in view of these amendments and appended remarks.

Amendments to the claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

I hereby certify that this correspondence is being facsimile transmitted to, Mail Stop AF - After Final Amendment, the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, Attention: Examiner Raymond J. Bayerl, GAU 2173 Facsimile No. (703) 746-7238, on September 29, 2003.

James M. Hannon
James M. Hannon, Reg. No. 48,565

B

Application Serial No. 09/574,375

AMENDMENT TO CLAIMS

Please amend the following claims as indicated:

1. (Currently Amended) A method for interactively presenting one or more media items providing supplemental content for a graphical user interface (GUI) that supports the presentation of primary content via an output device, comprising the steps of:

determining whether a position indicator is located proximate to a location on the GUI, the location associated with ~~at least~~ one of the media items;

if the position indicator is located proximate to the location associated with one of the media items, then displaying an indicator representing the media item associated with the location of the position indicator by cycling through a visual presentation of the indicator, the indicator providing an indication that supplemental content supported by the media item is available for presentation in connection with the location;

determining whether the indicator has been selected in response to receipt of an input signal issued by an input device; and

if the indicator has been selected, then presenting the supplemental content for the media item corresponding to the selected indicator via the output device.

B¹

2. (Original) The method of claim 1 wherein the step of determining whether a position indicator is located proximate to a location on the GUI comprises identifying whether the position indicator has entered a predetermined threshold boundary positioned proximate to and surrounding the location.

3. (Previously Presented) The method of claim 2, wherein the predetermined threshold boundary is defined by a rectangular area centered about the coordinates of the GUI location.

Application Serial No. 09/574,375

B¹
4. (Previously Presented) The method of claim 2, further comprising the steps of:
determining the relative processing speed of a computer system for presenting the GUI; and
adjusting the size of the predetermined threshold boundary based upon the relative processing speed of the computer system.

5. (Original) The method of claim 1 wherein the indicator representing the media item comprises a reduced-pixel display image for presentation via the output device.

6. (Original) The method of claim 1 wherein the step of presenting the media item comprises displaying a digital photographic image via a window frame rendered on the output device.

7. (Canceled)

7^x
8. (Original) The method of claim 1, further comprising the steps of:
assigning the media items to one of two categories representing types of supplemental content; and
determining whether at least one of the categories is selected; and
if at least one of the categories is selected, then displaying the indicator only if the indicator is associated with one of the media items in the user-selected category.

B² 8^y
9. (Original) The method of claim 1, further comprising the step of terminating a presentation of the indicator representing the media item after the position indicator is moved away from the location and upon expiration of a predetermined time period.

9^z
10. (Original) The method of claim 1, wherein the GUI is scalable and further comprising the step of adjusting the number of locations that support the presentation of the indicator representing one of the media items based on the adjusted scale of the GUI.

SEP 29 2003 16:28 FR KING & SPALDING LLP 404 572 5145 TO 6527#06576#10500 P.07/14

Application Serial No. 09/574,375

B₂ 10
11. (Original) A computer-readable medium having computer-executable instructions
for performing the steps recited in claim 1.

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[Claims continued on next page]

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Application Serial No. 09/574,375

11
12.

(Original) A method for identifying and retrieving one or more media items for the purpose of presenting said media items upon an output device, comprising the steps of:
displaying a GUI comprising an electronic geographic map upon the output device;

determining whether a position indicator is located proximate to a first location on the electronic map, the location associated with at least one of the media items;

if so, retrieving a media item associated with the first location into a memory storage device;

determining whether the position indicator is proximate to at least one additional location on the electronic map, the location associated with one of the media items;

if so, identifying all locations proximate to the position indicator;

assigning each identified location to status categories consisting as follows:

category 1: no media items associated with the location have been retrieved; and

category 2: at least one media item associated with the location has been retrieved;

retrieving at least one of the media items for each location in category 1;

retrieving at least one of the media items for each location in category 2;

reassigning each identified location to the appropriate category upon retrieving each media item associated therewith; and

restarting the steps of identifying and assigning locations and retrieving the media items upon determining that the position indicator is proximate a new location on the electronic map.

B2

13.

(Original) The method of claim 12, further comprising the steps of:
assigning the media items to one of two categories representing types of supplemental content;

determining whether at least one of the categories is selected; and

if at least one of the categories is selected, then retrieving only those media items assigned to the user selected category.

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SEP 29 2003 16:28 FR KING & SPALDING LLP 404 572 5145 TO 6527406576H10500 P.09/14

Application Serial No. 09/574,375

Bj 13
14. (Original) A computer-readable medium having computer-executable instructions
for performing the steps recited in claim 12.

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[Claims continued on next page]

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Received from < 404 572 5145 > at 9/29/03 4:29:05 PM [Eastern Daylight Time]

Application Serial No. 09/574,375

¹⁴14. (Currently Amended) A method for interactively presenting one or more graphical media items providing supplemental content for a graphical user interface (GUI) that supports the presentation of primary content, comprising the steps of:

determining whether a position indicator is located proximate to a location, the location associated with a plurality of the media items;

if the position indicator is located proximate to the location associated with the plurality of media items, then displaying a plurality of graphical media indicators for the plurality of media items associated with the location of the position indicator by cycling through a visual presentation of the plurality of graphical media indicators, each graphical media indicator providing an indication that supplemental content supported by each media item is available for presentation in connection with the location;

determining whether [[the]] at least one of the plurality of graphical media indicators has been selected in response to receipt of an input signal; and

if at least one of the plurality of graphical media indicators has been selected, then presenting the supplemental content for the media item corresponding to [[the]] each selected graphical media indicator.

¹⁵15. (Previously Presented) The method of Claim ¹⁴14, wherein the position indicator and at least one of the plurality of graphical media indicators are displayed at the same time.

¹⁶16. (Previously Presented) The method of Claim ¹⁴14, wherein the step of determining whether a position indicator is located proximate to a location comprises identifying whether the position indicator has entered a predetermined threshold boundary positioned proximate to the surrounding location.

¹⁷17. (Previously Presented) The method of Claim ¹⁶16, wherein a first area for the predetermined threshold boundary is greater than a second area for the location associated with the plurality of media items.

Application Serial No. 09/574,375

¹⁸
~~19~~ (Previously Presented) The method of Claim ¹⁴~~15~~, wherein at least one of the plurality of graphical media indicators representing the plurality of media items comprises a reduced-pixel display image for presentation via an output device.

¹³
~~20~~ (Previously Presented) The method of Claim ¹⁴~~15~~ further comprising the steps of:
assigning at least one of the plurality of media items to a first category and a second category representing types of supplemental content;
determining if the first category or the second category is selected; and
if one of the categories is selected, then displaying each of the plurality of graphical media indicators associated with one of the media items assigned to the selected category.

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Application Serial No. 09/574,375

REMARKS

The Applicants and the undersigned thank Examiner Bayerl for his careful review of this application. The Applicants appreciate the indication of allowable subject matter in Claims 12-20 and dependent Claims 4 and 7. The Applicants have amended independent Claim 1 to incorporate the subject matter of dependant Claim 7, as will be discussed below.

Claims 1-3, 5-6, 8-11, and 15-20 have been rejected. Claims 4 and 7 have been objected to. Upon entry of this amendment, Claim 7 is canceled while Claims 1-6 and 8-20 remain pending in this application. The independent claims for this application are Claims 1, 12, and 15.

Objection to the Claims

The Examiner objected to Claims 4 and 7 as being dependent upon a rejected base claim. The Examiner indicated, however, that Claims 4 and 7 would be allowable if rewritten in independent form, including all of the limitations of the base claim and any intervening claims. The Applicants have cancelled Claim 7 and incorporated the allowable subject matter into independent Claim 1. Therefore, the Examiner's objection to Claims 4 and 7 has been rendered moot. Accordingly, reconsideration and withdrawal of this objection are respectfully requested.

Claim Rejections under 35 U.S.C. § 112, Second Paragraph

The Examiner rejected Claims 15-20 under 35 U.S.C. § 112, Second Paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. More specifically, the Examiner has indicated that "the one of the plurality of graphical media indicators" in independent Claim 15 lacks proper antecedent basis. Applicants have amended independent Claim 15 to ensure proper antecedent basis and to address this rejection of form. Accordingly, Applicants respectfully request withdrawal of the Section 112 rejection of Claims 15-20.

Claim Rejections under 35 U.S.C. § 103(a)

The Examiner rejected Claims 1-3, 5-6, and 8-11 under 35 U.S.C. § 103(a) as being unpatentable over *PC Globe Verston 5.0 User's Guide* ("PC Globe") in view of U.S. Patent No.

Application Serial No. 09/574,375

6,362,840 to Burg, et al. ("*Burg*"). The Examiner rejected Claims 2 and 3 under 35 U.S.C. § 103(a) as being unpatentable over *PC Globe* in view of *Burg* and U.S. Patent No. 5,708,845 to Wistendahl, et al. ("*Wistendahl*"). The Applicants respectfully offer remarks to traverse these pending rejections.

Independent Claim 1

The rejection of independent Claim 1 is respectfully traversed. Applicants have amended independent Claim 1 to incorporate the allowable subject matter of dependent Claim 7. The Examiner's rejection of this claim has been rendered moot by this claim amendment. Accordingly, reconsideration and withdrawal of this rejection is respectfully requested.

Dependent Claims 2-3, 5-6, and 8-11

The Applicants respectfully submit that the above-identified dependent claims are allowable because the independent claim from which they depend is patentable over the cited references. The Applicants also respectfully submit that the recitations of these dependent claims are of patentable significance. The Applicants respectfully request that the Examiner reconsider and withdraw the pending rejections of Claims 2-3, 5-6, and 8-11.

CONCLUSION

The foregoing is submitted as a full and complete response to the Final Office Action mailed on July 28, 2003. The Applicants and the undersigned thank Examiner Bayerl for his consideration of these remarks. The Applicants and the undersigned also appreciate the indication of allowable subject matter in Claims 4, 7, and 12-14. The Applicants have amended the claims and have submitted remarks to traverse the rejections of Claims 1-3, 5-6, 8-11 and 15-20. The Applicants respectfully submit that the present application is in condition for allowance. Such action is hereby courteously solicited.

In the event the Examiner does not consider this application to be in condition for allowance, it is respectfully requested that the instant amendment be entered for purposes of Appeal. This amendment should simplify the issues for Appeal since several claims are being cancelled and the allowable subject matter of Claim 7 has been incorporated into independent

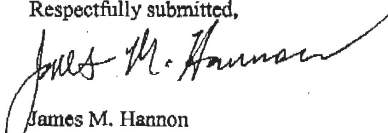
SEP 29 2003 16:30 FR KING & SPALDING LLP 404 572 5145 TO 6527#06576#10500 P.14/14

Application Serial No. 09/574,375

Claim 1. Nonetheless, it should be unnecessary to proceed to Appeal because the instant application should now be in condition for allowance.

If the Examiner believes that there are any issues that can be resolved by telephone conference, or that there are any formalities that can be corrected by an Examiner's Amendment, please contact the undersigned at (404) 572-4691.

Respectfully submitted,



James M. Hannon
Reg. No. 48,565

King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303
404.572.4600
MS# 150434.1; KS# 06576.105004


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-11-

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*** TOTAL PAGE. 14 *** 

N

Notice of Allowability	Application No.	Applicant(s)	
	09/574,375	FLORA ET AL.	
	Examiner	Art Unit	
	Raymond J. Bayerl	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.

- This communication is responsive to papers filed 29 Sept 2003.
- The allowed claim(s) is/are 1 - 6, 8 - 20.
- The drawings filed on _____ are accepted by the Examiner.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - All Some* None of the:
 - 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)).

* Certified copies not received: _____.
- Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - The translation of the foreign language provisional application has been received.
- 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.**

- 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.
- CORRECTED DRAWINGS must be submitted.
 - Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - hereto or 2) to Paper No. _____.
 - Including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - 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.
- 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)

<input type="checkbox"/> Notice of References Cited (PTO-892)	<input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
<input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	<input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____
<input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____	<input type="checkbox"/> Examiner's Amendment/Comment
<input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material	<input type="checkbox"/> Examiner's Statement of Reasons for Allowance
	<input type="checkbox"/> Other

**RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173**

9 Oct 2003

Form PTO-948 (Rev. 03/03)
Application No. 09/574375

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

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 5/19/00 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
- B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required). ___ Color drawings are not acceptable until petition is granted. Fig(s) _____ ___ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b) ___ 1 full-tone set is required. Fig(s) _____ ___ Photographs may not be mounted. 37 CFR 1.84(e) ___ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____ ___ Poor quality (half-tone). Fig(s) _____</p> <p>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 accepted. Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(d): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) or 21.6cm by 27.9cm (8 1/2x 11 inches) ___ All drawing sheets not the same size. Sheet(s) _____ ___ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>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 ___ Margins not acceptable. Fig(s) <u>3-5B</u> <input checked="" type="checkbox"/> Top (T) <input checked="" type="checkbox"/> Left (L) ___ Right (R) ___ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. ___ Views not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>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) _____</p> <p>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) _____</p> <p>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) _____</p> <p>11. SHADING. 37 CFR 1.84(m) ___ Solid black areas pale. Fig(s) _____ ___ Solid black shading not permitted. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) ___ Numbers and reference characters not plain and legible. Fig(s) _____ ___ Figure legends are poor. Fig(s) _____ ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ ___ English alphabet not used. 37 CFR 1.84(p)(2) 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) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q) ___ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) ___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u) ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. DESIGN DRAWINGS. 37 CFR 1.152 ___ Surface shading shown not appropriate. Fig(s) _____ ___ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____</p>
<p>COMMENTS:</p>	

Reviewer A.D.
If you have questions, call (703) 305-8404.

Date 10/9/03
Attachment to Paper No. 6



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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 10/17/2003
King & Spalding
191 Peachtree Street N E 45th Floor
Atlanta, GA 30303

EXAMINER
BAYERL, RAYMOND J

ART UNIT PAPER NUMBER
2173

DATE MAILED: 10/17/2003

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
09/574,375 05/19/2000 William T. Flora 06576.105004(MS#150434.1) 7343

TITLE OF INVENTION: SYSTEM AND METHOD FOR DISPLAYING MEDIA INTERACTIVELY ON A VIDEO DISPLAY DEVICE

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE
nonprovisional NO \$1330 \$0 \$1330 01/20/2004

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 is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, 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 the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
[] Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

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 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590 10/17/2003
 King & Spalding
 191 Peachtree Street N E 45th Floor
 Atlanta, GA 30303

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 Transmittal

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/574,375	05/19/2000	William T. Flora	06576.105004(MS#150434.1)	7343

TITLE OF INVENTION: SYSTEM AND METHOD FOR DISPLAYING MEDIA INTERACTIVELY ON A VIDEO DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	01/20/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
BAYERL, RAYMOND J	2173	345-716000

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. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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:

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- 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).

Director for Patents 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.

(Authorized Signature)	(Date)
------------------------	--------

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.

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, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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TRANSMIT THIS FORM WITH FEE(S)



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/574,375	05/19/2000	William T. Flora	06576.105004(MS#150434.1)	7343
	7590 10/17/2003		EXAMINER	
King & Spalding 191 Peachtree Street N E 45th Floor Atlanta, GA 30303			BAYERL, RAYMOND J	
			ART UNIT	PAPER NUMBER
			2173	
DATE MAILED: 10/17/2003				

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) system (<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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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 09/574,375, 05/19/2000, William T. Flora, 06576.105004(MS#150434.1), 7343
Row 2: 7590, 10/17/2003, EXAMINER BAYERL, RAYMOND J., ART UNIT 2173, PAPER NUMBER

King & Spalding
191 Peachtree Street N E 45th Floor
Atlanta, GA 30303

DATE MAILED: 10/17/2003

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (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, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. 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 Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

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))..... \$665.00
By other than a small entity..... \$1,330.00
(b) Issue fee for issuing a design patent:
By a small entity (Sec. 1.27(a))..... \$240.00
By other than a small entity..... \$480.00
(c) Issue fee for issuing a plant patent:
By a small entity (Sec. 1.27(a))..... \$320.00
By other than a small entity..... \$640.00

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.



#7 Art
J&S

PATENTS

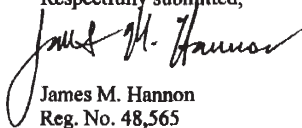
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
William T. Flora, et al.)	Art Unit: 2173
Serial No.: 09/574,375)	Examiner: Raymond J. Bayerl
Filed: May 19, 2000)	
For: System and Method for)	
Displaying Media Interactively)	
On a Video Display Device)	

SUBMISSION OF CORRECTED DRAWINGS

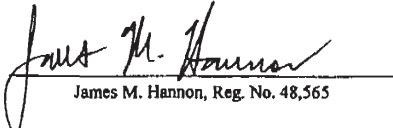
Mail Stop Issue Fee
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:
Responsive to the Notice of Allowability mailed October 17, 2003 and requiring the submission of corrected drawings in the patent application identified above, enclosed are four sheets of drawings containing corrections to the margins for drawings 3 through 5B, which were previously objected to by the Draftsperson. These corrected drawings do not contain new matter and are fully supported by the specification.

Respectfully submitted,

James M. Hannon
Reg. No. 48,565

KING & SPALDING LLP
191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303
404.572.4600
R&S Docket: 06576.105004

I hereby certify that this correspondence is 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 December 11, 2003.


James M. Hannon, Reg. No. 48,565

09/574,375

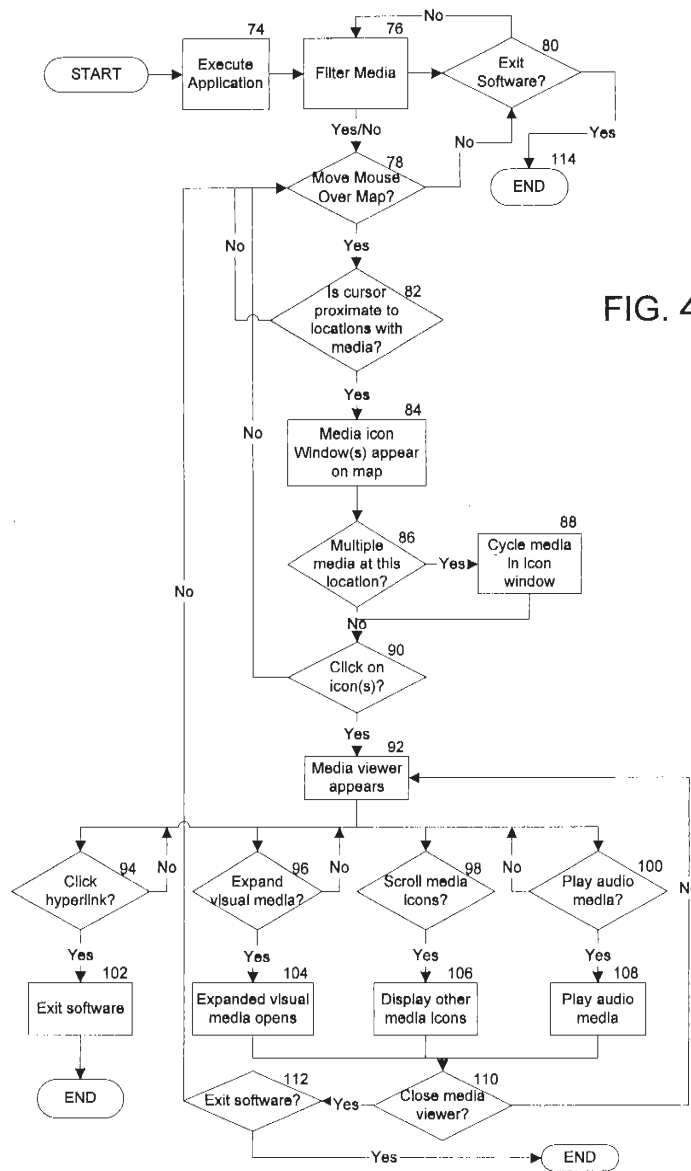
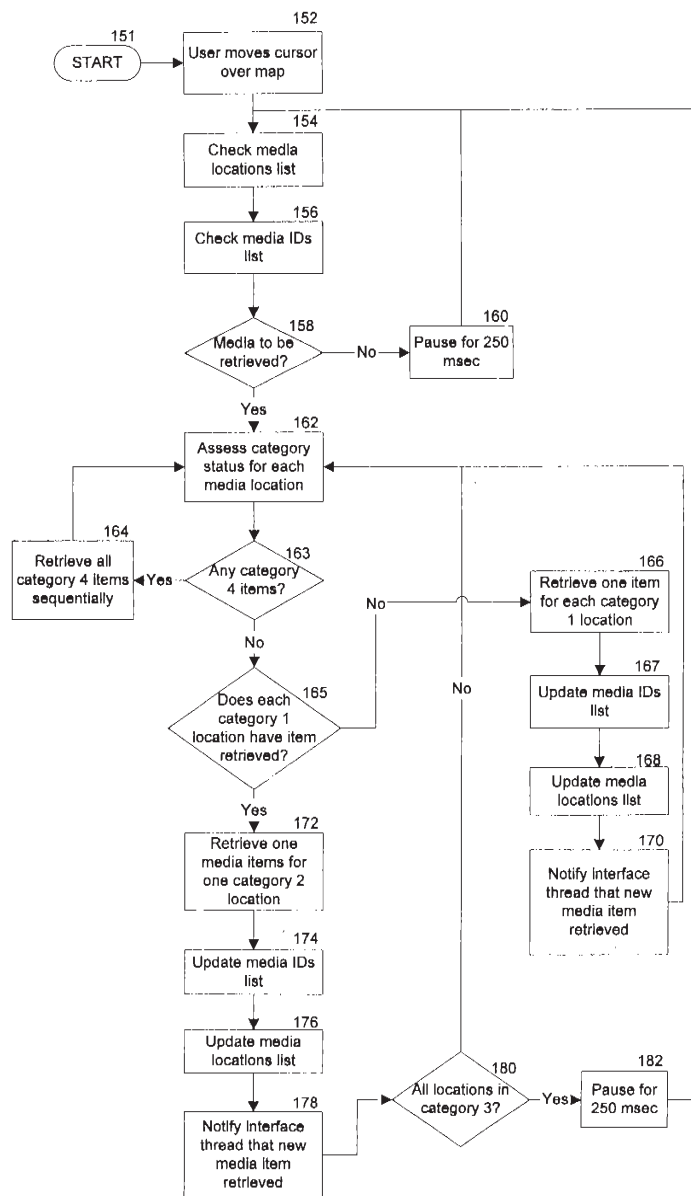


FIG. 4

09/31/375

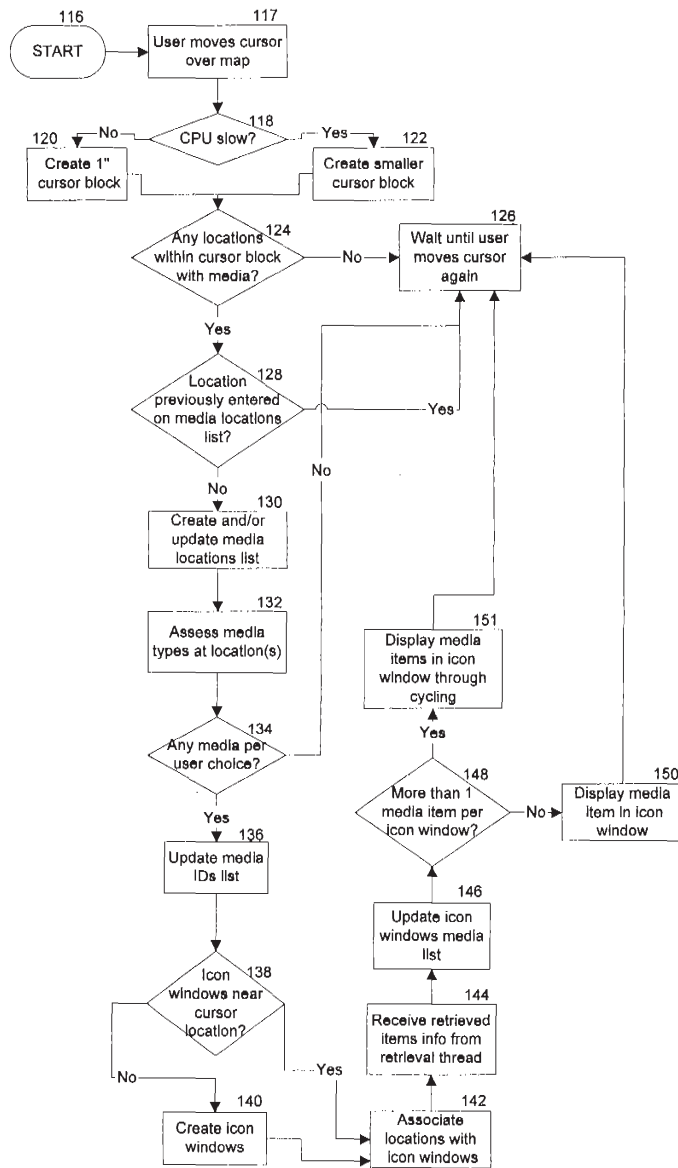
FIG. 5A



5

09/574,375

FIG. 5B



PART B - FEE(S) TRANSMITTAL

BF JSC

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Commissioner for Patents
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 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

James M. Hannon, Reg. #48,565 (Depositor's name)
James M. Hannon (Signature)
December 11, 2003 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/574,375	03/19/2000	William T. Flora	06576.105004(MS#150434.1)	7343

TITLE OF INVENTION: SYSTEM AND METHOD FOR DISPLAYING MEDIA INTERACTIVELY ON A VIDEO DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	01/20/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
BAYERL, RAYMOND J	2173	345-716000

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. **King & Spalding 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. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.
 (A) NAME OF ASSIGNEE **Microsoft Corporation**
 (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Redmond, WA**

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:
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Director for Patents 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.

(Authorized Signature) *James M. Hannon* (Date) **12/11/2003**

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.

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12/16/2003 5D1R17R2 00000164 09574375
 01 FC:1301 1330.00 (pp)

This File Wrapper was thoroughly reviewed by Our technical staff. Change in Power of Attorney /Correspondence Address Change dated 04-29-2004 are missing from the original USPTO file history.

This has been brought to your attention so that you will know it has not been overlooked.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: William Flora

Attorney Docket No: 150434.01

Patent No: 6,714,215 B1

Group Art Unit: 2173

Issued: 3/30/2004

Title: System and Method for Displaying Media Interactively On A Video Display Device

COFC
#8

REQUEST FOR CERTIFICATE OF CORRECTION

Redmond, Washington 98052

TO THE COMMISSIONER FOR PATENTS:

Enclosed is a Certificate of Correction, Form PTO 1050, for the above-identified U.S. Letters Patent. The errors in the printed patent listed on the enclosed form occurred at the corresponding locations in the application file listed below:

Original Application			Issued Patent	
Page 20 Claims	Line 5 Claim 2		Column 12	Line 5
Page 20 Claims	Line 22 Claim 6		Column 12	Line 20
Page 23 Claims	Line 7 Claim 13		Column 13	Line 16
			Column 14	Line 32

Enclosed is check No. N/A PTO ERROR to cover the fee of \$100. The Commissioner is hereby authorized to charge any fees associated with this paper, or credit any overpayment, to Deposit Account No. 50-0463. A copy of this request is enclosed.

APR 11 2005
APR 11 2005
APR 11 2005

United States Patent and Trademark Office
Certificate of Correction

Patent No. : 6,714,215 B1
Dated : 3/30/2004
Inventor(s) : ~~William Flora~~ *et. al*

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<u>COLUMN</u>	<u>LINE</u>	<u>ERROR</u>
12	5	In Claim 2, delete "sounding" and insert - - surrounding - -, therefore.
12	20	In Claim 6, delete "fame" and insert - - frame - -.
13	16	In Claim 12, delete "user selected" and insert - - user-selected - -, therefore.
14	32	In Claim 19, delete "tile" and insert - - the - -.

Page 1

Mailing Address of Sender:
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052

Form PTO 1050 (Rev. 2-93)

Patent No. US 6,714,215 B1

No. of add'l copies @ \$.50/page

3/30/05

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,714,215 B1
DATED : March 30, 2004
INVENTOR(S) : Flora et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 12.

Line 5, delete "sounding" and insert -- surrounding --, therefore.

Line 20, delete "fame" and insert -- frame --.

Column 13.

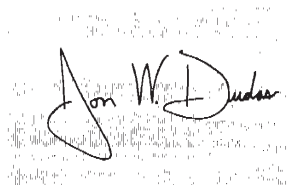
Line 16, delete "user selected" and insert -- **user-selected** --, therefore.

Column 14.

Line 32, delete "tile" and insert -- the --.

Signed and Sealed this

Twenty-eighth Day of June, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office

PATENT APPLICATION FEE DETERMINATION RECORD
Effective December 29, 1999

Application or Docket Number

0741378

CLAIMS AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	22 minus 20= *	—
INDEPENDENT CLAIMS	2 minus 3 = *	—
MULTIPLE DEPENDENT CLAIM PRESENT		

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
	345.00			690.00
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL			TOTAL	220

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

CLAIMS AS AMENDED - PART II

AMENDMENT A	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 20	Minus ** 20	= /
Independent	* 3	Minus *** 3	= /
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

AMENDMENT B	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 19	Minus ** 20	= /
Independent	* 3	Minus *** 3	= /
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE **ADDITIONAL FEE**

RATE **ADDITIONAL FEE**

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

AMENDMENT C	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE **ADDITIONAL FEE**

RATE **ADDITIONAL FEE**

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X39=			X78=	
+130=			+260=	
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.