FILE HISTORY

US 6,792,575

PATENT:	6,792,575
INVENTORS:	SAMANIEGO CHRISTOPHER OFFNER NELSON H ROCKY THEWLIS ADRIAN D BOYD DAVID R
TITLE:	Automated processing and delivery of media to web servers
APPLICATION NO:	US1999425326A
FILED:	21 OCT 1999
ISSUED:	14 SEP 2004
COMPILED:	01 AUG 2022

JC678 U.S. PTO
09/422326
10/21/99

ISSUE CLASSIFICATION	
Class	Subclass
715	513

[redacted]

PATENT NUMBER
6792575
6792575

U.S. UTILITY PATENT APPLICATION

O.I.P.E.	PATENT DATE
SCANNED CC3 Q.A. DMD	SEP 14 2004

SECTOR	CLASS	SUBCLASS	ART UNIT	EXAMINER
	715	513	2176	BASHORE

FILED WITH: ☐ DISK (CRF) ☐ FICHE
(Attached in pocket on right inside flap)

Related PCT
44/023,340

BEST COPY

PREPARED AND APPROVED FOR ISSUE

ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)						
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
715	513	715	501.1	517				
INTERNATIONAL CLASSIFICATION		345	735					
G06F	17/00	709	203	219				
G06F	15/00							
G06F	9/30							
				☐ Continued on Issue Slip Inside File Jacket				

☐ TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
	16	16	10	9	1
☐ a) The term of this patent subsequent to _____ (date) has been disclaimed.	WILLIAM L. BASHORE (Assistant Examiner) 5/1/2004 (Date)			NOTICE OF ALLOWANCE MAILED	
☐ b) The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____	SANJIV SHAH PRIMARY EXAMINER SANJIV SHAH (Primary Examiner) 5/3/04 (Date)			5/4/04	
				ISSUE FEE	
				Amount Due	Date Paid
				$665.00	8/4/04
☐ c) The terminal ____months of this patent have been disclaimed.	S Chapman (Legal Instruments Examiner) 5/6/04 (Date)			ISSUE BATCH NUMBER	

WARNING:
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A
(Rev. 10/97)

ISSUE FILE IN FILE (LABEL AREA)

(FACE)

6,792,575

AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

Transaction History

Date	Transaction Description
10-21-1999	Information Disclosure Statement (IDS) Filed
10-21-1999	Information Disclosure Statement (IDS) Filed
10-27-1999	Initial Exam Team nn
11-12-1999	Information Disclosure Statement (IDS) Filed
11-12-1999	Information Disclosure Statement (IDS) Filed
11-17-1999	Application Dispatched from OIPE
02-09-2000	Case Docketed to Examiner in GAU
10-20-2000	Case Docketed to Examiner in GAU
10-20-2000	Case Docketed to Examiner in GAU
08-06-2001	Case Docketed to Examiner in GAU
11-06-2001	Case Docketed to Examiner in GAU
11-18-2001	Case Docketed to Examiner in GAU
11-18-2002	Case Docketed to Examiner in GAU
01-07-2003	Case Docketed to Examiner in GAU
06-16-2003	Restriction/Election Requirement
06-18-2003	Mail Restriction Requirement
07-18-2003	Response to Election / Restriction Filed
07-24-2003	Date Forwarded to Examiner
10-20-2003	Non-Final Rejection
10-28-2003	Mail Non-Final Rejection
01-14-2004	Response after Non-Final Action
04-23-2004	Date Forwarded to Examiner
05-03-2004	Formal Drawings Required
05-03-2004	Notice of Allowance Data Verification Completed
05-04-2004	Mail Notice of Allowance
05-04-2004	Mail Formal Drawings Required
05-04-2004	Mail Examiner's Amendment
05-06-2004	Dispatch to Publications
05-10-2004	Receipt into Pubs
05-10-2004	Workflow - File Sent to Contractor
05-10-2004	Receipt into Pubs
06-21-2004	Receipt into Pubs
06-22-2004	Receipt into Pubs
08-04-2004	Issue Fee Payment Verified
08-04-2004	Workflow - Drawings Finished
08-04-2004	Workflow - Drawings Matched with File at Contractor
08-04-2004	Issue Fee Payment Received
08-13-2004	Dispatch to FDC
08-13-2004	Application Is Considered Ready for Issue
08-17-2004	Receipt into Pubs
08-27-2004	Issue Notification Mailed
09-14-2004	Recordation of Patent Grant Mailed
09-14-2004	Patent Issue Date Used in PTA Calculation

PATENT APPLICATION

09425326

JC678 U.S. PTO
09/425326
10/21/99

INITIALS

CONTENTS

Related PCT 44/023,340

	Date received (Incl. C. of M.) or Date Mailed		Date received (Incl. C. of M.) or Date Mailed
1. Application _____ papers.		42.	
2. Prin Art	10/21/99	43.	
2/16/00 3. Prin Art Watch	Nov. 12 1999	44.	
4. Change of Address	9-5-00	45.	
5. Restriction/election only	6-18-03	46.	
6. Amdt A	7-18-03	47.	
7. Rej(3)	10/28/03	48.	
8. Req for Recon	1-14-04	49.	
9. Allowance	5/4/04	50.	
10. Formal Drawings (16 shts) set 1	8/4/04	51.	
11.		52.	
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ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	MMG		10/28/99
O.I.P.E. CLASSIFIER			11-2-99
FORMALITY REVIEW	LA	63390	11/15/99

INDEX OF CLAIMS

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

Claim Final	Claim Original	6/15/2000	10/16/2003	5/11/2004	Date						
	1		✓								
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If more than 150 claims or 10 actions
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ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	Mag		10/28/99
O.I.P.E. CLASSIFIER			11-2-99
FORMALITY REVIEW	LA	63390 5	11/15/99

INDEX OF CLAIMS

✔ ..... Rejected
= ..... Allowed
— (Through numeral) Canceled
÷ ..... Restricted
N ..... Non-elected
I ..... Interference
A ..... Appeal
O ..... Objected

Claim Final	Claim Original	6/15/2003	10/16/2003	5/1/2004
	1	÷	✔	
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If more than 150 claims or 10 actions
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[redacted]

SEARCHED

Class	Sub.	Date	Exmr.
715	513	10/18/2003	[illegible]
715	517	"	[illegible]
715	501.1	"	[illegible]
707	102	"	[illegible]
345	735	"	[illegible]
345	800	"	[illegible]
345	629	"	[illegible]
709	203	"	[illegible]
709	219	"	[illegible]
UPDATED SEARCH			
715	513	5/1/2004	[illegible]
715	517	"	[illegible]
715	501.1	"	[illegible]
345	735	"	[illegible]
709	203	"	[illegible]
709	219	"	[illegible]

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.
715	513	5/1/2004	[illegible]
715	517	"	[illegible]
715	501.1	"	[illegible]
345	735	"	[illegible]
709	203	"	[illegible]
709	219	"	[illegible]

SEARCH NOTES
(INCLUDING SEARCH STRATEGY)

	Date	Exmr.
WEST 2.1 (Search Enclosed)	10/18/2003	[illegible]
AKM (Search Enclosed)	"	[illegible]
UPDATED SEARCH WEST 2.2 (Search Enclosed)	5/1/2004	[illegible]

(RIGHT OUTSIDE)

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

BIBDATASHEET

Bib Data Sheet

CONFIRMATION NO. 9401

SERIAL NUMBER	FILING DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
09/425,326	10/21/1999 RULE	715	2176	EQUI000

APPLICANTS

CHRISTOPHER SAMANIEGO, SAN FRANCISCO, CA;

NELSON H. "ROCKY" OFFNER, KENSINGTON, CA;
ADRIAN D. THEWLIS, SAUSALITO, CA;DAVID R. BOYD, SAN FRANCISCO, CA;

Assignee Equilibrium

** CONTINUING DATA **********
None

** FOREIGN APPLICATIONS **********
None

IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY **
** 11/15/1999

	STATE OR	SHEETS	TOTAL	INDEPENDENT
Foreign Priority claimed ☐ yes ☑ no 35 USC 119 (a-d) conditions met ☐ yes ☑ no ☐ Met after Allowance Verified and Acknowledged Examiner's Signature Initials	COUNTRY CA	DRAWING 16	CLAIMS 45	CLAIMS 9

ADDRESS
22862
GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK , CA
94025

TITLE
AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

FILING FEE RECEIVED 839	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

A

Please type a plus sign (+) inside this box → [+]

PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	EQUI0001
First Inventor or Application Identifier	Samaniego et al.
Title	Automated Processing and Delivery of Media to Web Servers
Express Mail Label No.	EL090780449US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. [X] * Fee Transmittal Form *(e.g., PTO/SB/17)*
   (Submit an original and a duplicate for fee processing)
2. [X] Specification [Total Pages 34]
   (preferred arrangement set forth below)
   - Descriptive title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure
3. [X] Drawing(s) *(35 U.S.C. 113)* [Total Sheets 16]
4. Oath or Declaration [Total Pages 3]
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 C.F.R. § 1.63(d))
   (for continuation/divisional with Box 16 completed)
      i. [ ] DELETION OF INVENTOR(S)
      Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

*** NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

5. [ ] Microfiche Computer Program *(Appendix)*
6. Nucleotide and/or Amino Acid Sequence Submission
   (if applicable, all necessary)
   a. [ ] Computer Readable Copy
   b. [ ] Paper Copy (identical to computer copy)
   c. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. [X] Assignment Papers (cover sheet & document(s))
8. [ ] 37 C.F.R.§3.73(b) Statement *(when there is an assignee)* [X] Power of Attorney
9. [ ] English Translation Document *(if applicable)*
10. [X] Information Disclosure Statement (IDS)/PTO-1449 [X] Copies of IDS Citations
11. [ ] Preliminary Amendment
12. [X] Return Receipt Postcard (MPEP 503)
    (Should be specifically itemized)
13. [X] * Small Entity Statement(s) *(PTO/SB/09-12)* [ ] Statement filed in prior application, Status still proper and desired
14. [ ] Certified Copy of Priority Document(s)
    (if foreign priority is claimed)
15. [ ] Other: .....

16. **If a CONTINUING APPLICATION,** *check appropriate box, and supply the requisite information below and in a preliminary amendment:*
[ ] Continuation [ ] Divisional [ ] Continuation-in-part (CIP) of prior application No: _____/_____
Prior application information: Examiner _____ *Group / Art Unit:* _____
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

[X] *Customer Number or Bar Code Label* 22862 *(Insert Customer No. or Attach bar code label here)* or [ ] *Correspondence address below*

Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	

Name (Print/Type)	Michael A. Glenn	Registration No. (Attorney/Agent)	30,176
Signature		Date	10/21/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

jc525 U.S. PTO 10/21/99
jc678 U.S. PTO 09/425320 10/21/99

PTO/SB/17 (6/99)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT ($) 879.00

Complete if Known	
Application Number	Unassigned
Filing Date	Herewith
First Named Inventor	Samaniego et al.
Examiner Name	Unassigned
Group / Art Unit	Unassigned
Attorney Docket No.	EQUI0001

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 07-1445

Deposit Account Name: Michael A. Glenn

☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. ☒ **Payment Enclosed:** ☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	380
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) ($) 380.00

2. EXTRA CLAIM FEES

	Extra Claims		Fee from below		Fee Paid
Total Claims	45	-20** =	25	X 9	= 225
Independent Claims	9	- 3** =	6	X 39	= 234
Multiple Dependent					=

***or number previously paid, if greater; For Reissues, see below*

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($)459.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	605	Petition to revive - unintentional	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	760	246	380	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)					
Other fee (specify)					

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 40.00

SUBMITTED BY				Complete (if applicable)	
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AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

BACKGROUND OF THE INVENTION

TECHNICAL FIELD

The invention relates to software systems. More particularly, the invention relates to an Internet server-based software system that provides delivery of automated graphics and other media to Web sites for access by an end user or consumer.

DESCRIPTION OF THE PRIOR ART

Most Web sites today are primarily handmade. From the guy publishing a simple online technology newsletter from his home, to the Fortune 1000 company's multi-tiered site with hundreds of pages of text, images, and animations, the Web developer and each of his HTML-coding and graphics-producing coworkers toil page by page and image by image. Thousands of established online companies employ hundreds of highly-skilled workers just to produce and maintain their Web sites. After all, the Web is now a major selling vehicle and marketing medium for many of these companies. The Web has even sprouted service industries such as, for example, public companies with multi-billion dollar valuations created just to consult and produce Web sites for others.

Most Web developers who use established WYSIWYG tools in the industry still must produce each page on their Web site one by one. The same rate applies to preparing and placing images, animations, and other visual assets. Each page represents its own set of issues ranging from whether to use GIF, JPEG, or PNG file formats, to finding the optimum bit depth for each image to ensure the fastest downloading through the different browsers of the consumer. The bottlenecked state of the customer's workflow to produce graphics for Web pages can be described as follows:

Current Workflow for Creating Web Graphics

- Original Artwork/Asset Creation
  - Use third-party point products
- Asset Editing
  - Scale/reduce/slice
- Asset Format Conversion
  - JPEG/GIF/PNG
- Asset Staging
  - Place in Web file system
  - Edit HTML
- Create/Modify HTML for particular page
- Store HTML on Web server
- View final pages
- Repeat process for each version of each graphic on each page

Estimated time
- Two hours per page times the number of pages

Also, from a user's perspective, the current state of the art is to offer the consumer zooming and panning capabilities so that by clicking on an image the consumer can view more closely or from a different angle. On the horizon are pages with three-dimensional imagery that enable a user to move around a page that can look more like a room than a brochure. While interesting, these features are merely incremental improvements to a consumer's surfing experience.

D. C. A. Bulterman, *Models, Media, and Motion: Using the Web to Support Multimedia Documents,* Proceedings of 1997 International Conference on Multimedia Modeling, Singapore, 17-20 Nov. 1997 discloses "an effort underway by members of industry, research centers and user groups to define a standard document format that can be used in conjunction with time-based transport protocols over the Internet and intranets to support rich multimedia presentations. The paper outlines the goals of the W3C's Synchronized Multimedia working group and presents an initial description of the first version of the proposed multimedia document model and format."

Text and Graphics on UMI's ProQuest Direct: The Best (yet) of both Worlds, Online, vol. 21, no. 2, pp. 73-7, March- April 1997 discloses an information system that offers "periodical and newspaper content covering a wide range of business, news, and professional topics... letting the user search both text and graphics and build the product to suit. Articles can be retrieved in varying levels of detail: citation, abstracts, full text, and text with graphics. Images come in two flavors: Page Image, a virtual photocopy, and Text+Graphics, in which graphics are stored separately from the text and are manipulable as discrete items. ...[The system] comes in two versions: Windows and Web."

John Mills Dudley, *Network-Based Classified Information Systems*, AU-A-53031/98 (27/08/98) discloses a "system for automatically creating databases containing industry, service, product and subject classification data, contact data, geographic location data (CCG-data) and links to web pages from HTML, XML, or SGML encoded web pages posted on computer networks such as Internets or Intranets....The... databases may be searched for references (URLs) to web pages by use of enquiries which reference one or more of the items of the CCG-data. Alternatively, enquiries referencing the CCG-data in the databases may supply contact data without web page references. Data duplication and coordination is reduced by including in the web page CCG-data display controls which are used by web browsers to format for display the same data that is used to automatically update the databases."

Cordell *et al, Automatic Data Display Formatting with A Networking Application*, U.S. Patent No. 5,845,084 (Dec. 1, 1998) discloses a placeholder image mechanism. "When a data request is made, the data transfer rate is monitored. When the receive data transfer rate is slow, and the data contains an embedded graphical image of unknown dimensions, a small placeholder image is automatically displayed for the user instead of the actual data. The small placeholder image holds a place on a display device for the data or the embedded graphical image until the data or embedded graphical image is received. When embedded graphical image is received, the placeholder image is removed, and the display device is reformatted to display the embedded graphical image."

Jonathon R. T. Lewis, *System For Substituting Tags For Non-Editable Data Sets In Hypertext Documents And Updating Web Files Containing Links Between Data Sets Corresponding To Changes Made To The Tags*, U.S. Patent No. 5,355,472 (Oct. 11, 1994) discloses a "hypertext data processing system wherein data sets participating in the hypertext document may be edited, the data processing system inserting tags into the

data sets at locations corresponding to the hypertext links to create a file which is editable by an editor and the data processing system removing the tags, generating a revised data set and updating the link information after the editing process. Its main purpose is to preserve the linking hierarchy that may get lost when the individual data sets get modified."

Wistendahl *et al*, *System for Mapping Hot Spots in Media Content Interactive Digital Media Program*, U.S. Patent No. 5,708,845 (Jan. 13, 1998) discloses a "system for allowing media content to be used in an interactive digital media (IDM) program [that] has Frame Data for the media content and object mapping data (N Data) representing the frame addresses and display location coordinates for objects appearing in the media content. The N Data are maintained separately from the Frame Data for the media content, so that the media content can be kept intact without embedded codes and can be played back on any system. The IDM program has established linkages connecting the objects mapped by the N Data to other functions to be performed in conjunction with display of the media content. Selection of an object appearing in the media content with a pointer results in initiation of the interactive function. A broad base of existing non-interactive media content, such as movies, videos, advertising, and television programming can be converted to interactive digital media use. An authoring system for creating IDM programs has an object outlining tool and an object motion tracking tool for facilitating the generation of N Data. In a data storage disk, the Frame Data and the N Data are stored on separate sectors. In a network system, the object mapping data and IDM program are downloaded to a subscriber terminal and used in conjunction with presentation of the media content."

Rogers *et al*, *Method for Fulfilling Requests of A Web Browser*, U.S. Patent No. 5,701,451 (Dec. 23, 1997) and Lagarde *et al*, *Method for Distributed Task Fulfillment of Web Browser Requests*, U.S. Patent No. 5,710,918 (Jan. 20, 1998) disclose essentially "improvements which achieve a means for accepting Web client requests for information, obtaining data from one or more databases which may be located on multiple platforms at different physical locations on an Internet or on the Internet, processing that data into meaningful information, and presenting that information to the Web client in a text or graphics display at a location specified by the request."

Tyan *et al*, *HTML Generator*, European Patent Application No. EP 0843276 (May 20, 1998) discloses "generating an HTML file based on an input bitmap image, and is particularly directed to automatic generation of an HTML file, based on a scanned-in

document image, with the HTML file in turn being used to generate a Web page that accurately reproduces the layout of the original input bitmap image."

TrueSpectra has a patent pending for the technology employed in its two products, IrisAccelerate and IrisTransactive. These products are designed for zooming and panning and simple image transformations and conversions, respectively. They support 10 file formats and allow developers to add new file formats via their SDK. They do not require the use of Flashpix for images. However, their documentation points out that performance is dependent on the Flashpix format. The system would be very slow if a non-Flashpix format was used.

TrueSpectra allows the image quality and compression to be set for JPEGs only. The compression setting is set on the server and all images are delivered at the same setting.

TrueSpectra has a simple caching mechanism. Images in the cache can be cleared out automatically at certain times and it does not have any dependency features for image propagation. The Web server needs to be brought down in order to update any original assets.

TrueSpectra does not require plug-ins to operate features such as zooming/panning or compositing, but suggests using their plug-ins for better performance. The alternative to plug-ins is using their Javascript or active server page technology. These technologies are used by many Web sites to provide interactivity, but not all Web browsers work correctly with these technologies.

In their latest version, TrueSpectra fixed their software so that communication to the server will not have to be through a certain port. Using TrueSpectra without a port requires the system to use Javascript or Active Server Pages. This requirement is not always possible so firewall issues remain.

TrueSpectra relies on Flashpix as its native file format and does not support media types such as multi-GIFs and sound formats. Flashpix files are typically larger than most file formats. Access to files is faster for zooming and panning, but appears to be quite slow.

The key to IrisTransactive is the compositing subsystem. It requires three things to build a shopping solution using image composition.

1) The original images must be created. It is suggested that the image be converted to Flashpix for better performance.
2) All of the individual images must be described in XML using the image composer program. The program allows the editor to specify anchor points, layer attributes, and layer names. The resulting file is between 5k and 50k.
3) The Web designer must place HTML referring to the XML in the Web site. By specifying parameters to the XML, the Web designer can turn on or off layers.

The herein above process for compositing images enables Web designers to create shopping sites. However, a lot of overhead is the result. The XML documents add 5k-50k to a Web site. The compositing commands that are embedded in the HTML are difficult to understand. And, because the compositing feature requires several steps to implement, it is not suitable for every image on a Web site. The process seems to be designed for the specific purpose of shopping.

The disclosed prior art fail to provide systems and methodologies that result in a quantum leap in the *speed* with which they can modify and add images, video, and sound to sites, in the *volume* of data they can publish internally and externally, and in the *quality* of the output. The development of such an automated media delivery system would constitute a major technological advance.

It would be advantageous to empower an end user with flexibility and control by providing *interactive* page capabilities.

It would be advantageous from an end user's perspective to generate Web pages that contain *active* graphics. For example, clicking on a Corvette image will cause a simple menu to pop up suggesting alternative colors and sizes in which to see the car. Clicking on portions of the image, such as a fender, can call up a close-in view of the fender.

It would be advantageous to provide an automated graphics delivery system that becomes part of the *Web site infrastructure* and operates as part of the *Web page transaction* and that thereby provides a less expensive and less time-consuming process.

It would be advantageous to provide a system for automated processing and delivery of media (images, video, and sound) to a Web server whereby it eliminates the laborious

post-production and conversion work that must be done before a media asset can be delivered on a Web server.

It would be advantageous to create a dynamic Web site, wherein images are generated on demand from original assets, wherein only the original assets need to be updated, and wherein updated changes propagate throughout the site.

It would be advantageous to provide a system that generates media based on current Web server traffic thereby optimizing throughput of the media through the Web server.

It would be advantageous to provide a system that generates media that is optimized for the Web client, wherein client connection speed determines optimum quality and file size.

It would be advantageous to provide a system that generates media, whereby the media is automatically uploaded.

It would be advantageous to provide a system that automatically caches generated media so identical requests can be handled without regeneration of images.

It would be advantageous to provide a system that resides behind the Web server, thereby eliminating security issues.

It would be advantageous to provide a system wherein the client browser does not require a plug-in.

It would be advantageous to provide a system wherein the system does not require any changes to a Web server.

It would be advantageous to provide a system wherein the system manages the Web server media cache.

It would be advantageous to provide a system wherein the Web media is generated only if requested by a client browser.

SUMMARY OF THE INVENTION

An automated media delivery system that becomes part of the Web site infrastructure and operates as part of the Web page transaction is provided. The claimed invention streamlines the post-production process by automating the production of a media through proprietary HTML tags embedded in Web documents. The author simply places the original media in the system and adds proprietary HTML tags to HTML or other browser language. The system automatically processes the proprietary HTML tags and produces the media for the Web client. It also replaces the proprietary HTML tags with standard HTML tags so to be processed correctly by the HTML client.

This invention takes as input the client connection, server traffic, and proprietary HTML tags in order to generate the optimized media for the client. The need for the Web author to create different versions of a Web site is reduced because the need is automatically handled by the claimed invention. The generated media is cached so that further requests for the same media require little overhead.

Because the invention takes the original media and proprietary HTML tags as inputs for generating the Web media, it is possible to modify one or both and have the system automatically update the media on all of the associated Web pages.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic diagram showing the placement of the system within a current Web infrastructure according to the invention;

Fig. 2 is a schematic diagram showing how a typical Web site delivers an HTML document and its graphics to a Web browser according to the prior art;

Fig. 3 is a schematic diagram showing delivery of an HTML document and media to a Web browser according to the invention;

Fig. 4 is a schematic diagram showing the components involved in Web site administration according to the prior art;

Fig. 5 is a schematic diagram showing the components of the system involved in Web site administration according to the invention;

Fig. 6 is a simple overview showing the components of the system according to the invention;

Fig. 7 is a schematic diagram showing the process flow of a proprietary enabled page delivered to a Web browser according to the invention;

Fig. 8 is a flow chart showing an authoring process according to the invention;

Fig. 9 is a flow chart showing an HTML parsing process according to the invention;

Fig. 10 is a flow chart showing a media creation process according to the invention;

Fig. 11 is a screen shot showing an administration tool according to the invention;

Fig. 12 displays a structure of a database record used for the system according to the invention;

Fig. 13 shows original media to be processed according to the invention;

Fig. 14 shows a portion on an HTML document with a proprietary tag according to the invention;

Fig. 15 shows an HTML document and an HTML document source according to the invention; and

Fig. 16 shows a generated GIF image according to the invention.

DETAILED DESCRIPTION OF THE INVENTION

An automated graphics delivery system that becomes part of the Web site infrastructure and operates as part of the Web page transaction is provided. The claimed invention streamlines the post-production process by automating the production of a media through proprietary HTML tags embedded in Web documents. The author simply places the original media in the system and adds proprietary HTML tags to HTML documents. The system automatically processes the proprietary HTML tags and produces the media for the Web client. It also replaces the proprietary HTML tags with standard HTML tags so it can be processed correctly by the HTML client.

This invention takes as input the client connection, server traffic, and proprietary HTML tags in order to generate the optimized media for the client. The need for the Web author to create different versions of a Web site is reduced because the need is automatically handled by the claimed invention. The generated media is cached so that further requests for the same media require little overhead.

Fig. 1 is a schematic diagram showing the placement of the system within a current Web infrastructure according to a preferred embodiment of the invention. The system 100 is attached to a Web server 110, which is connected to multiple client browsers 120(a-d) via the Internet 130.

Fig. 2 is a schematic diagram showing how a typical Web site delivers an HTML document and its graphics to a Web browser according to the prior art. An original media 200 is passed to post-production systems 210, wherein the media 200 is manipulated by hand and prepared for the Web. The result is a Web media 220. The Web media 220 and an associated HTML document 230 referring to the media 220 by media tags are input to a Web server 110 for a Web browser 120 to view via the Internet 130.

Fig. 3 is a schematic diagram showing delivery of an HTML document and media to a Web browser according to a preferred embodiment of the invention. An original media 200 and an HTML document embedded with proprietary media tags 300 are input into the system 100. The system 100 generates a Web-safe media 220 and a modified HTML document

230 that refers to the Web media, and automatically loads them onto the Web server 110 for view by a Web browser 120 via the Internet 160.

Fig. 4 is a schematic diagram showing components involved in Web site administration according to the prior art. Original media assets 400 are original images, video, or sound that have not been prepared for the Web. Web sites usually need to manage the placement of media on the network for easy retrieval by Web designers. Post-production systems 410 vary from Web site to Web site. Post-production systems 410 are usually custom procedures that Web designers use to convert an original media, such as an image, to one that can be displayed on the Web. Post-production systems 410 also upload finished images to Web image systems. Web images 420 are Web versions of the original images. Web images 420 are ready for retrieval by the Web server 110 to be delivered to a Web browser 120. Any image to be modified or updated must pass through the herein above three components before it can be delivered to the Web browser 120. HTML pages 460 have references to Web images 420.

Fig. 5 is a schematic diagram showing the components involved in Web site administration according to a preferred embodiment of the invention. Web site administration is simplified using the claimed invention. Asset management, automatic image manipulation, automatic image conversion, automatic image upload, and automatic disk management 500 are provided by the claimed invention.

Fig. 6 is a simple overview showing the components of the system according to a preferred embodiment of the invention. HTML with proprietary tags 300 is the original HTML document that is embedded with proprietary tags which describe how the images are to be manipulated for the Web. Java servlet engine 600 is a third-party product that allows the system 100 to interface with the Web server 110 and execute Java servlet code. The Web server 110 is third-party software that delivers Web pages to a Browser 120. The Browser 120 views Web pages that are sent from the Web server 110. Modified HTML with system created images 230 are a final result of the system. Modified HTML 230 is a standard HTML document without proprietary embedded tags and with standard Web graphics.

The System.

A preferred embodiment of the system 100 is provided.

HTML parsing subsystem 610 parses through an HTML document and searches for proprietary tags. If it finds a proprietary tag it hands it to a media caching subsystem 620 for further processing. The media caching subsystem 620 returns a standard HTML tag. The HTML parsing subsystem 610 then replaces the proprietary tag it found with the returned tag. The parsing subsystem 610 then continues searching for a next proprietary tag, repeating the process herein above. The process is finished when no more proprietary tags can be found.

The media caching subsystem 620 determines if an image has been created for the requested proprietary tag. If the image has already been created and the files that built that image have not been modified, the media caching subsystem 620 returns an HTML tag that refers to a previously-generated image. If the image has not been created, the media caching subsystem 620 hands the HTML tag to a media creation subsystem 630. The media creation subsystem 630 returns an image to the media caching subsystem 620. The media caching subsystem 620 adds the created image and the HTML tag to a media cache database 640.

The media cache database 640 contains references to the created images 645. In a preferred embodiment, the references are the script used to create the image, the names of the images used to create the image, the dates of those files, and the HTML that represents the created image. The media caching subsystem 620 performs lookups in this database to determine if the image has been created. If the image has not been created the media caching subsystem 620 calls upon the media creation subsystem 630 to create the image and then store the results in the media cache database 640.

The media creation subsystem 630 takes a proprietary tag from the media caching subsystem 620 and generates an image. The image is generated by deciphering the tag and handing it to the media processing engine 650. After the image is created, the media creation subsystem returns the name of the newly created image to the media caching subsystem 620.

The media processing engine 650 interprets the proprietary tag and generates the image. The media processing engine 650 looks up images in a media repository to obtain the location of the original file.

The media repository 660 contains original images 665 used in the system 100.

Fig. 7 is a schematic diagram showing the process flow of a proprietary enabled page delivered to a Web browser according to a preferred embodiment of the invention. An original media 200 is created. The media 200 is placed into the system 100 in the media repository 660. Similarly, an HTML document with proprietary tags 300 is created and placed on a Web server 110. A user requests a Web page from a Web browser 120. The Web server 110 passes the requested page to an HTML parser 610. The HTML parser 610 parses HTML looking for media tags. The parser 610 looks up media tags in a media tags database 640. If the media tag is found, then the system 100 produces a modified HTML document 230. Otherwise, the media creation subsystem 630 uses the media tag to generate a Web media 220. The generated Web media 220 is placed in a media cache subsystem 620. The proprietary media tag is converted by a converter 700 to a standard HTML tag that refers to the generated media 220 in cache. The media tag and the HTML equivalent are stored in the media tags database 640. Media tags are replaced by standard HTML equivalent to provide a modified HTML document 230. The modified HTML document 230 is delivered to the Web server 110. The Web server 100 delivers the modified HTML document 230 to the browser 120 via the Internet for a user to view.

Fig. 8 is a flow chart showing an authoring process according to a preferred embodiment of the invention. The process starts (800) when a user adds an original graphic to the system (810). The user then creates an HTML document that contains proprietary media tags (820). The user then places the HTML document on a Web server (830) and ends the authoring process (840).

Fig. 9 is a flow chart showing an HTML parsing process according to a preferred embodiment of the invention. The process starts (900) when a consumer requests a Web page (910). A Web server hands the request of the Web page to the system (920). The system parses the Web page (930). The system looks for a media tag (940). If found, the system retrieves the HTML equivalent of the media tag (950) and replaces the media tag with the HTML equivalent tag (960). The system continues parsing the Web page for tags (970) by returning to step (940). When no more tags are found, the system delivers the modified Web page to the Web server (980) and therein ends the process (990).

Fig. 10 is a flow chart showing a media creation process according to a preferred embodiment of the invention. The process starts (1000) when the system requests an HTML equivalent to a proprietary media tag (1010). The Media tag is combined with bandwidth information (1020). The subsystem checks if the media tag already exists in the media tag database (1030). If it does, the subsystem checks if any of the original assets used to create the media have been changed (1040). If not, then the subsystem retrieves the HTML equivalent tag from the database (1050) and returns the HTML equivalent tag to the requesting system (1060). If any of the original assets used to create the media have been changed (1040), then the subsystem removes the media tag entry from the media database (1070) and creates the media using the media tag (1080). The subsystem then stores the media in a media cache (1090). The subsystem generates the HTML referring to the generated media (1100) and places the media tag and the HTML equivalent in the media tag database (1110). The HTML equivalent is returned to the requesting system (1060) and the process stops (1120).

The differences between using HTML and the proprietary tags disclosed herein are noted. HTML allows Web designers to create Web page layouts. HTML offers some control of the images. HTML allows the Web designer to set the height and width of an image. However, all of the other image operations disclosed herein are supported by the claimed invention and are not supported by HTML.

Table A herein below provides the claimed proprietary tags according to a preferred embodiment of the invention. The use of the term "freeride" refers to an internal code name for the invention.

Table A

Tags

Generate image
<freerideimage> mediascript </freerideimage>
Generate a standard Web image.

Generate thumbnail image linked to full image
<freerideimagethumbnail> mediascript <xs=size ys=size /freerideimagethumbnail>
Generate a thumbnail of specified size and link it to the full size version.

Generate zoom and pan image

<freerideimagezoom> mediascript </freerideimagezoom>
Generate a zoomable/panable image.

Security
<freerideimagesecure> </freerideimagesecure>
Specifies that all images found between these tags are secured images and the system will determine access before generating.

Table B herein below provides the claimed script commands according to a preferred embodiment of the invention. Additional commands may be added as needed.

Table B

Media processing script commands

Add Noise

Noise_AddNoise([amount=<value 1..999>] [gaussian] [grayscale])
This command adds noise to the image.

Adjust HSB

AdjustHsb([hue @ <value ±255>] [saturation @ <value ±255>] [brightness @ <value ±255>])
This command allows the HSB of an image to be altered. This can be applied to images of all supported bit-depths.

Adjust RGB

AdjustRgb([brightness @ <value ±255>] [contrast @ <value ±255>] [red @ <value ±255>] [green @ <value ±255>] [blue @ <value ±255>] [noclip @ <true, false>] [invert @ <true, false>])
This command allows the contrast, brightness, and color balance of an image to be altered.

Blur

Blur(radius @ <value 0..30>)
This command applies a simple blur filter on the image.

Blur Convolve

Blur_Blur()
This command commands perform a simple 3x3 convolution for blurring.

Blur Convolve More

Blur_MoreBlur()
This command commands perform a stronger 3x3 convolution for blurring.

Blur Gaussian

Blur_GaussianBlur([radius=<value 0.1..250>])

This command applies a Gaussian blur to the image.

Blur Motion

Blur_MotionBlur([distance=<value 1..250>] [angle=<degrees>])

This command applies motion blurring to the image using the specified distance and angle.

Brush Composite

Composite(source @ {<User-Defined Media Object name>} [x @ <pixel>] [y @ <pixel>] [onto] [opacity @ <value 0..255>] [color @ <color in hexadecimal>] [colorize @ <true, false>] [saturation @ <value 0..255>])

This command composites the specified "brush" (foreground) image onto the current "target" (background) image.

Colorize

Colorize(color @ <color in hexadecimal> [saturation @ <value 0..255>])

This command changes the hue of the pixels in the image to the specified color.

Convert

Convert(rtype @ <bit-depth> {dither @ <value 0..10>])

This command converts the image to the specified type/bit-depth.

Convolve

Convolve(Filter @ <filtemame>)

This command applies a basic convolution filter to the image. In a user interface driven system, the filters could be stored in files and edited/created by the user.

Crop/Resize Canvas

Crop([xs @ {<pixels>, <percentage + "%">}] [ys @ {<pixels>, <percentage + "%">}] [xo @ <left pixel>]
[yo @ <top pixel>] [padcolor @ <color in hexadecimal>] [padindex @ <value 0..255>])

This command crops the media to a specified size.

Discard

Discard()

This command removes the designated Media Object from memory.

Drop Shadow

DropShadow([dx @ <pixels>] [dy @ <pixels>] [color @ <color in hexadecimal>] [opacity @ <value 0..255>] [blur @ <value 0..30>] [enlarge @ <true, false>])

This command adds a drop shadow to the image based on its alpha channel.

Equal

Equal(source @ {<User-Defined Media Object name>})

This command compares the current media with the one specified. If the media are different in any way, an error value is returned.

Equalize

Equalize([brightness @ <-1, 0..20>] [saturation @ <-1, 0..20>])

This command equalizes the relevant components of the media. Equalization takes the used range of a component and expands it to fill the available range.

Export Channel

ExportGun(Channel @ <channelname>)

This command exports a single channel of the source as a grayscale image.

Find Edges

Stylize_FindEdges([threshold=<value 0..255>] [grayscale] [mono] [invert])

This command finds the edges of the image based on the specified threshold value.

Fix Alpha

FixAlpha()

This command adjusts the RGB components of an image relative to its alpha channel.

Flip

Flip(<horizontal, vertical> @ <true, false>)

This command flips the media vertically or horizontally.

Frame Add

FrameAdd(Source @ <filename>)

This command adds the given frame(s) to the specified Media Object.

Glow/Halo

Glow(Size @ <value 0..30> [halo @ <value 0..size>] [color @ <color in hexadecimal>] [opacity @ <value 0..255>] [blur @ <value 0..30>] [enlarge @ <true, false>])

This command produces a glow or halo around the image based on the image's alpha.

High Pass

Other_HighPass([radius=<value 0.1..250>])

This command replaces each pixel with the difference between the original pixel and a Gaussian blurred version of the image.

Import Channel

ImportGun(channel @ <channel name> source @ {<User-Defined Media Object name>} [rtype @ <bit-depth>])

This command imports the specified source image (treated as a grayscale) and replaces the selected channel in the original.

Load

Load(Name @ <filename> [type @ <typename>] [transform @ <true, false>])

This command loads a media from the specified file.

Maximum

Other_Maximum([radius=<value 1..10>])

This command scans the area specified by the radius surrounding each pixel, and then replaces the pixel with the brightest pixel found.

Minimum

Other_Minimum([radius=<value 1..10>])

This command scans the area specified by the radius surrounding each pixel, and then replaces the pixel with the darkest pixel found.

Normalize

Normalize([clip @ <value 0..20>])

This command expands the volume of the sample to the maximum possible.

Pixellate Mosaic

Pixellate_Mosaic([size=<value 2..64>])

This command converts the image to squares of the specified size, where each square contains the average color for that part of the image.

Pixellate Fragment

Pixellate_Fragment([radius=<value 1..16>])

This command produces four copies of the image displaced in each direction (up, down, left, right) by the specified radius distance and then averages them together.

Quad Warp

QuadWarp([tlx=<position>] [tly=<position>] [trx=<position>] [try=<position>] [blx=<position>] [bly=<position>] [brx=<position>] [bry=<position>] [smooth])

This command takes the corners of the source image and moves them to the specified locations, producing a warped effect on the image.

Reduce to Palette

Reduce([colors @ <num colors>] [netscape @ <true, false>] [b&w @ <true, false>] [dither @ <value 0..10>] [dithertop @ <value 0..10>] [notbackcolor] [pad @ <true, false>])

This command applies a specified or generated palette to the image.

Rotate

Rotate(Angle @ <value 0..359> [smooth @ <true, false>] [enlarge @ <true, false>] [xs @ <pixels>] [ys @ <pixels>])

This command rotates the media by the specified angle in degrees.

Rotate 3D

Rotate3d([anglex @ <angle ±89>] [angley @ <angle ±89>] [distance @ <value>])

This command rotates the image in 3D about either the x-axis or y-axis.

Save

Save([type @ <image-type>])

This command saves a media to the specified file.

Scale

Scale([xs @ {<pixels>, <percentage + "%">}] [ys @ {<pixels>, <percentage + "%">}] [constrain @ <true, false>] [alg @ {"fast", "smooth", "outline"}] [x1 @ <pixels>] [y1 @ <pixels>] [x2 @ <pixels>] [y2 @ <pixels>])

This command scales the image to the specified size.

Select

Selection([source @ <User-Defined media Object>}] [remove @ <true, false>] [invert @ <true, false>] [backcolor] [color=<color>] [index=<value>] [opacity @ <value 0..255>])

This command manages the selected region for the current Media Object.

Set Color

SetColor([backcolor @ <color in hexadecimal>] [forecolor @ <color in hexadecimal>] [backindex @ <value 0..255>] [foreindex @ <value 0..255>] [transparency @ ("on","off")])

This command allows the background color, foreground color, and transparency state of an image to be set.

Set Resolution

SetResolution([dpi @ <value>] [xdpi @ <value>] [ydpi @ <value>])

This command changes the DPI of the image in memory.

Sharpen

Sharpen_Sharpen()

This command sharpens the image by enhancing the high-frequency component of the image.

Sharpen More

Sharpen_SharpenMore()

This command sharpens the image by enhancing the high-frequency component of the image, but is stronger than the standard sharpening.

Stylize Diffuse

Stylize_Diffuse([radius=<value 0..>] [lighten] [darken])

This command diffuses the image by randomizing the pixels within a given pixel radius.

Stylize Embose

Stylize_Emboss([height=<value 1..10>] [angle=<degrees>] [amount=<percentage 1..500>])

This command converts the image to an embossed version.

Text Drawing

DrawText(Text @ <string> Font @ <font file> [size @ <value>]
[color @ <color in hexadecimal>] [smooth @ <true, false>] [<left, right, top, bottom> @ <true, false>]
[x @ <pixel>] [y @ <pixel>] [wrap @ <pixel-width>] [justify @ {left,center,right}] [angle @ <angle>])

This command composites the specified text string onto the image.

Text Making

MakeText(text @ <string> font @ <font file> [path @ <path to font directory>] [size @ <value 1..4095>]
[color @ <color in hexadecimal>] [smooth @ <true, false>] [wrap @ <pixel-width>]
[justify @ {left,center,right}] [angle @ <angle>])

This command creates a new image that includes only the specified text.

Trace Contour

Stylize_TraceContour([level=<value 0..255>] [upper] [invert])

This command traces the contour of the image at the specified level (for each gun).

Unsharpen Mask

Sharpen_UnsharpMask([amount=<percentage 1..500>] [radius=<value 0.1..250>]
[threshold=<value 0..255>])

This command enhances the edges and detail of an image by exaggerating differences between the image and a gaussian blurred version of the same image.

Zoom

Zoom([xs @ <pixels>] [ys @ <pixels>] [scale @ <value>] [x @ <left pixel>] [y @ <top pixel>])

This command zooms in on a specified portion of the media and fits it to the specified size. This constitutes a crop followed by a scale.

Table C herein below provides a list of features provided by a preferred embodiment of the invention. It is noted that the list of features included in Table C is by no means complete. In other embodiments, the list of features is expanded or reduced as needed.

Table C

T0230

System Feature List

- **Reads and writes various file formats**
  - BMP, GIF, JPG, PNG, TIF, PICT, TGA, PSD, FPX
- **Supports many image processing operations**
- **Dynamically creates Web images from original assets**
- **Dynamically creates thumbnail images**
- **Dynamically creates images that can be panned and zoomed without browser plug-ins or special file formats**
- **Automatically propagates changes of original assets throughout a Web site**
- **Uses an intelligent caching mechanism**
  - Clean up image cache on demand
  - Eliminates orphaned image files
  - Optimizes Web server cache by providing most recent images
- **Renders TrueType fonts on the server instead of browser**
- **Uses intelligent scaling of line drawings**
- **Allows Web designers to manipulate images with proprietary tags**
- **Preserves original image assets**
- **Optimizes Web server traffic by adjusting the bandwidth of graphics**
- **Optimizes images for client connection speed**
- **Allows clients to specify the quality of images on a Web site**
- **Allows Web designers to dynamically create images by manipulating proprietary tags in their applications (server or client side)**

Fig. 11 is a screen shot showing an administration tool according to a preferred embodiment of the invention. Specifically, Fig. 11 shows an administration page that contains cached images of generated scripts. The use of the term "freeride" refers to an internal code name for the invention.

Fig. 12 displays a structure of a database record used for the system according to a preferred embodiment of the invention. A Script Table 1200 has 5 columns, Media Script 1210, HTML Equivalent 1220, Bandwidth 1230, Generated File 1240, and Dependency List 1250. A Dependency Table 1260 has two columns, File Name 1270 and Modification Date 1280.

Snowboard Store Example.

Background.

The snowboard store highlights several features of the claimed system. The snowboard store is an imaginary store that allows a user to configure his or her snowboard. The store consists of five logos, five board colors, and four boards. The consumer clicks on the buttons to change the snowboard represented in the middle of the screen. When the consumer has configured the snowboard they the snowboard can be purchased by selecting a buy button.

Prior Art Method.

To create the snowboard site today, the Web designer must render all possible combinations of the board. The number of combinations is five logos x five board colors x four boards = 100. The designer also must render all the buttons. The creation process is very tedious and involves a lot of production work. Typically, most Web sites do not even attempt such an endeavor. Also, other issues must be addressed, such as, for example, updating the Web site and scripting. For example, updating a single logo involves updating a minimum of 20 images.

The prior art method sustains a graphic intensive site that requires management of at least 100 images. Updates to the Web site are time-consuming and prone to human error.

The Claimed Method.

A preferred embodiment of the method scripts the image creation process in HTML to create a dynamic Web site. There is no need to create over 100 images. The claimed system generates images on demand. The Web site only needs to create original assets. The scripting process involves writing the proprietary scripts. In the current example herein, scripting buttons is very simple. Once one button is created, simply copy and paste the HTML to create another button or many buttons. Only the name of the image to be overlaid on the button must be changed. The Webmaster then creates a simple program

that reads what object a user has clicked on and generates a proprietary tag. The tag is then sent to the claimed system to generate a center image.

The claimed method allows the creation of all 100 combinations automatically. When the Web site receives an updated image, only the original image needs to be updated. Any change to the original image automatically propagates throughout the system. The Web site is easier to manage. Testing of the Web site is easier because there is no need to test all 100 combinations. A small subset of combinations will guarantee adequate coverage.

Processing of an Image Tag Example (Fig. 13-16).

Fig. 13 shows two original images 1300 and 1310 to be processed according to a preferred embodiment of the invention.

Fig. 14 shows a portion on an HTML document with a proprietary tag 1400, <freerideimage></freerideimage> according to a preferred embodiment of the invention. The use of the term "freeride" refers to an internal code name for the invention.

Fig. 15 shows an HTML document 1500 as viewed in a browser and an HTML document source 1510, according to a preferred embodiment of the invention. The use of the term "freeride" refers to an internal code name for the invention.

Fig. 16 shows a generated GIF image 1600 according to a preferred embodiment of the invention.

Accordingly, although the invention has been described in detail with reference to a particular preferred embodiment, persons possessing ordinary skill in the art to which this invention pertains will appreciate that various modifications and enhancements may be made without departing from the spirit and scope of the claims that follow.

CLAIMS

1. A process for delivering HTML or browser language, including ASP, JSP, and CGI, and associated Web media to a Web server, comprising the steps of:

said system taking as input an original media and HTML or browser language having proprietary media tags relating to said original media;

said system generating a specified Web media from said original media and placing it on Web server; and

said system generating HTML or browser language that refers to said Web media and placing it on Web server.

2. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

reading and writing various file formats.

3. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

supporting a plurality of media operations.

4. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating said Web media from said original media.

5. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating thumbnail images.

6. The process of Claim 1, wherein generating Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating images that can be panned and zoomed without browser plug-ins or special file formats.

7. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

automatically propagating changes of original media assets throughout a Web site.

8. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

providing an intelligent caching mechanism.

9. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

rendering TrueType fonts on said Web server instead of on a browser.

10. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

providing intelligent scaling of line drawings.

11. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing a Web designer to manipulate images with a plurality of proprietary tags.

12. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

preserving original image assets.

13. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

optimizing Web server traffic by adjusting bandwidth of graphics.

14. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

optimizing images for client connection speed.

15. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing clients to specify quality of images on a Web site.

16. The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing a Web designer to dynamically create images by manipulating proprietary tags in server-side applications and client-side applications.

17. A system for delivering HTML or browser language, including ASP, JSP, and CGI, and associated Web media to a Web server, comprising:

means for accepting as input an original media and a first HTML document having proprietary media tags;

means for generating said Web media and said HTML or browser language to said Web server; and

wherein said generated HTML or browser language refers to said generated Web media.

18. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for reading and writing various media file formats.

19. The process of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for supporting a plurality of media operations.

20. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for dynamically creating said Web media from said original media.

21. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for dynamically creating thumbnail images.

22. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for dynamically creating images that can be panned and zoomed without browser plug-ins or special file formats.

23. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for automatically propagating changes of original assets throughout a Web site.

24. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for providing an intelligent caching mechanism.

25. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for rendering TrueType fonts on said Web server instead of by a browser.

26. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for providing intelligent scaling of line drawings.

27. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing a Web designer to manipulate images with a plurality of proprietary tags.

28. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for preserving original image assets.

29. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for optimizing Web server traffic by adjusting bandwidth of graphics.

30. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for optimizing images for client connection speed.

31. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing clients to specify quality of images on a Web site.

32. The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing a Web designer to dynamically create images by manipulating proprietary tags in server-side applications and client-side applications.

33. A process for administrating and maintaining on a network a plurality of original computer implemented assets, each asset coupled to an HTML page, for delivery to a Web browser, comprising the steps of:

providing automatic management of said original assets;

providing automatic manipulation of said original assets;

providing automatic conversion of said original assets;

providing automatic upload of said converted assets through said network to said Web browser; and

providing automatic disk management for said converted images.

34. A system for administrating and maintaining on a network a plurality of original computer implemented assets, each asset coupled to an HTML page, for delivery to a Web browser, comprising:

means for providing automatic management of said original assets;

means for providing automatic manipulation of said original assets;

means for providing automatic conversion of said original assets;

means for providing automatic upload of said converted assets through said network to said Web browser; and

means for providing automatic disk management for said converted images.

Sub A1

35. A process for delivering an original media, comprising the steps of:

placing said original media in a network system;

creating an HTML document or browser language having proprietary media tags and placing said HTML document or browser language onto a Web server;

actuating a user request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

parsing said HTML document or browser language on said parser by looking for said proprietary media tags;

looking up said proprietary media tags in a media tags database on said network system;

if at least one media tag of said proprietary media tags is not found,

generating a Web media by using said at least one media tag; placing said generated Web media in a media cache on said network system;

converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

modifying said HTML document or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

delivering said modified HTML document or browser language from said network system to said Web server; and

delivering said modified HTML document or browser language from said Web server to said customer browser for said customer to view.

36. A network system for delivering an original media, comprising:

means for placing said original media in said network system;

means for creating HTML or browser language having proprietary media tags and placing said HTML or browser language onto a Web server;

means for actuating a request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

means for parsing said HTML document on said parser by looking for said proprietary media tags;

means for looking up said proprietary media tags in a media tags database on said network system;

if at least one media tag of said proprietary media tags is not found,

means for generating a Web media by using said at least one media tag; placing said generated Web media in a media cache on said network system;

means for converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

means for storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

means for generating HTML or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

means for delivering said generated HTML or browser language from said network system to said Web server; and

means for delivering said modified generated HTML or browser language from said Web server to said customer browser for said customer to view.

37. An media delivery system using a Java servlet engine, a Web server, and a customer browser for generating HTML or browser language, said generated HTML or browser language having a proprietary image, from an original HTML document or browser language embedded with a proprietary tag, comprising:

an HTML parser subsystem adapted to search for a proprietary tag in said original HTML or browser language and to replace said proprietary tag with a standard HTML tag;

a media caching subsystem adapted to determine a status of existing or needs to be created of said proprietary image for said proprietary tag, and to send said standard HTML tag to said media creation subsystem;

a media cache database adapted to store data associated with said proprietary image;

a media creation subsystem adapted to decipher said proprietary tag;

a media processing engine adapted to receive from said media creation subsystem said deciphered proprietary tag and to interpret said tag to generate said proprietary media; and

a media repository adapted to store at least one original media associated with said proprietary media.

38. The system of Claim 37, wherein said original HTML or browser language is embedded with a plurality of proprietary tags, said proprietary tags associated with a plurality of proprietary media and associated with a plurality of original media.

39. The system of Claim 37, wherein said stored data associated with said proprietary media further comprises:

a script used to create said proprietary media, said script having an associated date ;

a name of said at least one original media used to create said proprietary media, said name having an associated date; and

said generated HTML or browser language.

40. The system of Claim 37, wherein said HTML parser subsystem further comprises:

means for sending said proprietary tag to said media caching subsystem for further processing;

means for receiving from said media caching subsystem said standard HTML tag;

means for searching for a next proprietary tag to replace said next proprietary tag with a next standard HTML tag; and

means for determining that no more proprietary tags exist in said original HTML document or browser language.

41. The system of Claim 37, wherein said media caching subsystem further comprises:

means for determining if said proprietary media has been modified.

42. The system of Claim 39, wherein said media caching subsystem further comprises:

means for determining if said associated script data and said associated original media date have been modified.

43. The system of Claim 37, wherein said media cache database further comprises:

a script table having a media processing script column, an HTML Equivalent column, a Bandwidth column, a Generated File column, and a Dependency List column; and

a dependency table having a File Name column and a Modification Date column.

44. An authoring process for a user of a proprietary media delivery system on a Web server, said system having proprietary tags, comprising the steps of:

adding an original media asset to said proprietary media delivery system;

creating an HTML document or browser language containing at least one of said proprietary tags; and

placing said created HTML document or browser language on said Web server.

45. A process for creating a media associated with an HTML equivalent tag and associated with a media tag for a system, comprising the steps of:

receiving a request from said system for said HTML equivalent tag;

combining said media tag with bandwidth information;

determining if a media tag entry associated with said media tag exists in a media tag database;

if said media tag entry exists in said media database,

determining if at least one original asset used to create said has changed;

if said at least one original asset used to create said has not changed,

retrieving said HTML equivalent tag from said database; and

return said HTML equivalent tag to said system;

if said at least one original asset used to create said has changed,

removing said media tag entry from said database;

create said media using said media tag;

storing said media in a media cache;

generating an HTML document referring to said generated media;

placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system;

if said media tag entry does not exist in said media database,

create said media using said media tag;

storing said media in a media cache;

generating HTML or browser language referring to said generated media;

placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system.

Attorney Docket No. EQUI000

AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

ABSTRACT

A system is provided for the automatic process and delivery of media, such as images, video, and sound to a Web server. A primary feature of the invention is that it eliminates the laborious post-production work that must be done before a media asset can be delivered on a Web server. This system uses as input the original media, an HTML document or browser language having proprietary tags, Web server traffic, and Web-client capabilities. This system uses the input to generate an optimized Web media, generates HTML to refer to the generated media, and automatically deploys the HTML and media to the Web server. The Web authoring process involves the creation of the media, the assignment of a unique name to the media, and the modification of the HTML document or browser language to contain a proprietary tag that contains the media's unique name, the modification to be performed on the media, and the Web page format for the media. Once the authoring is complete, it may be viewed by a client browser. The client browser retrieves the page containing the media in a standard way. A Web server passes the HTML or browser language, including ASP, JSP, and CGI, the client browser capabilities, and current server traffic to the system, which parses the HTML or browser language searching for the proprietary tags. If the proprietary tag is found, the tag is processed to generate a Web media. The system replaces the proprietary tag with standard HTML tags containing the generated media and the Web page delivery to the browser. The proprietary tag is combined with current server load statistics and client browser capabilities to generate a key. The key is looked up in the system's database. If the key is found, the associated HTML tag is received and the proprietary tag is replaced as discussed above. If the key is not found, the system uses the HTML tag along with the client browser to generate an optimized media for the client. An HTML tag is created based on the proprietary tag and contains the generated media. The information is stored in the system database in case identical proprietary tags are processed.

PRINT OF DRAWINGS
AS ORIGINALLY FILED

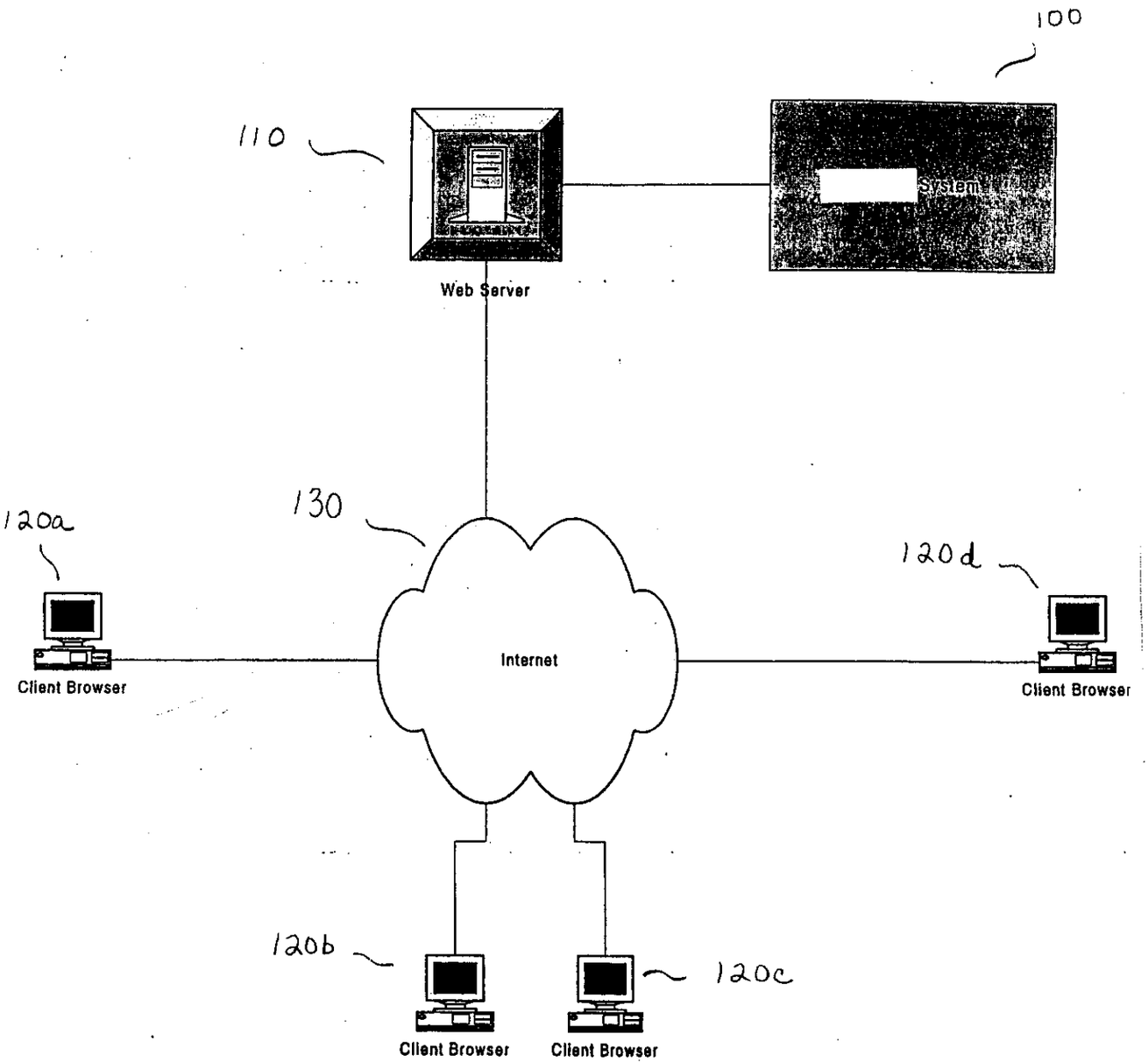

Fig. 1

PRINT OF DRAWINGS
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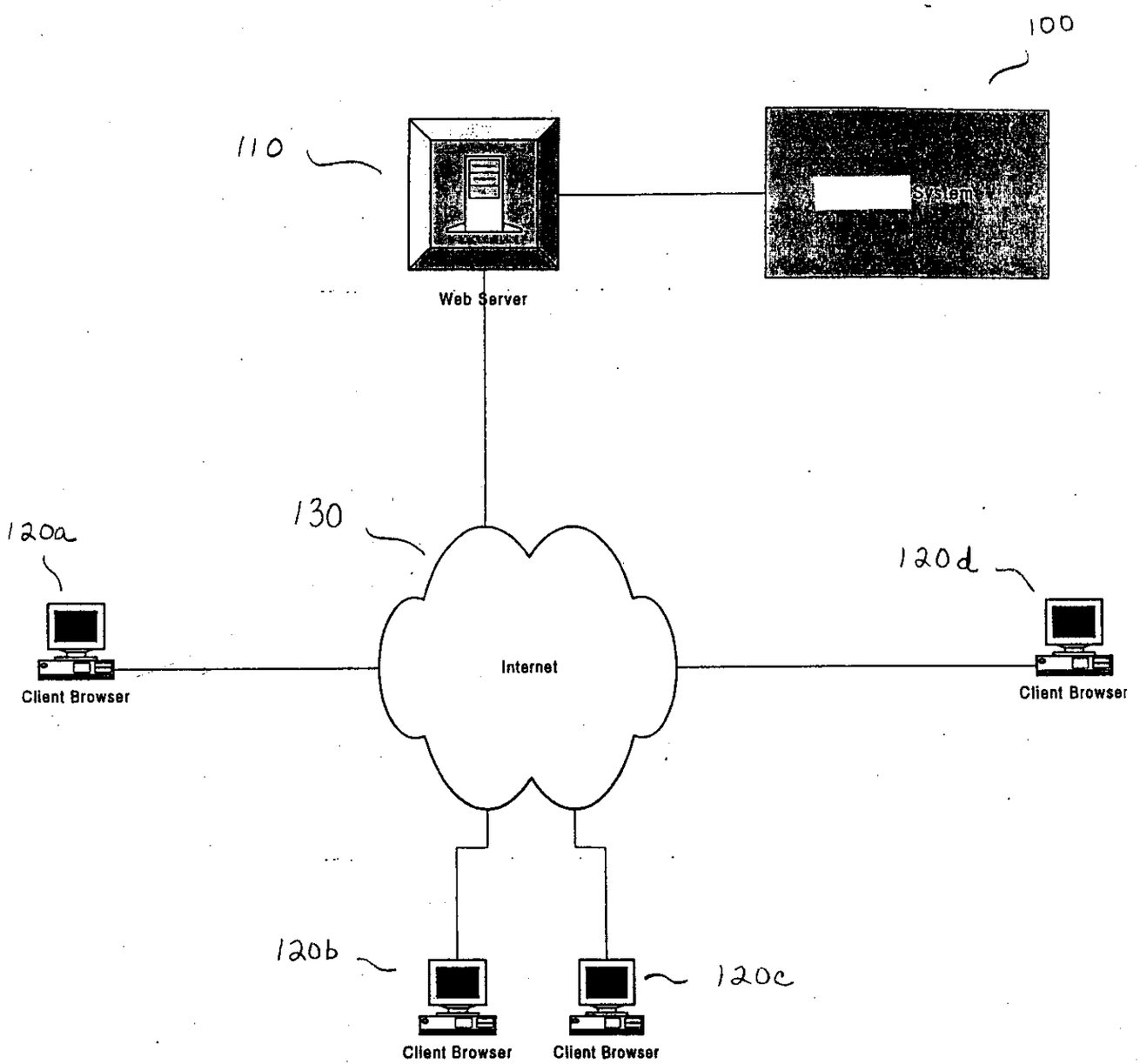

Fig. 1

PRINT OF DRAWINGS
AS ORIGINALLY FILED

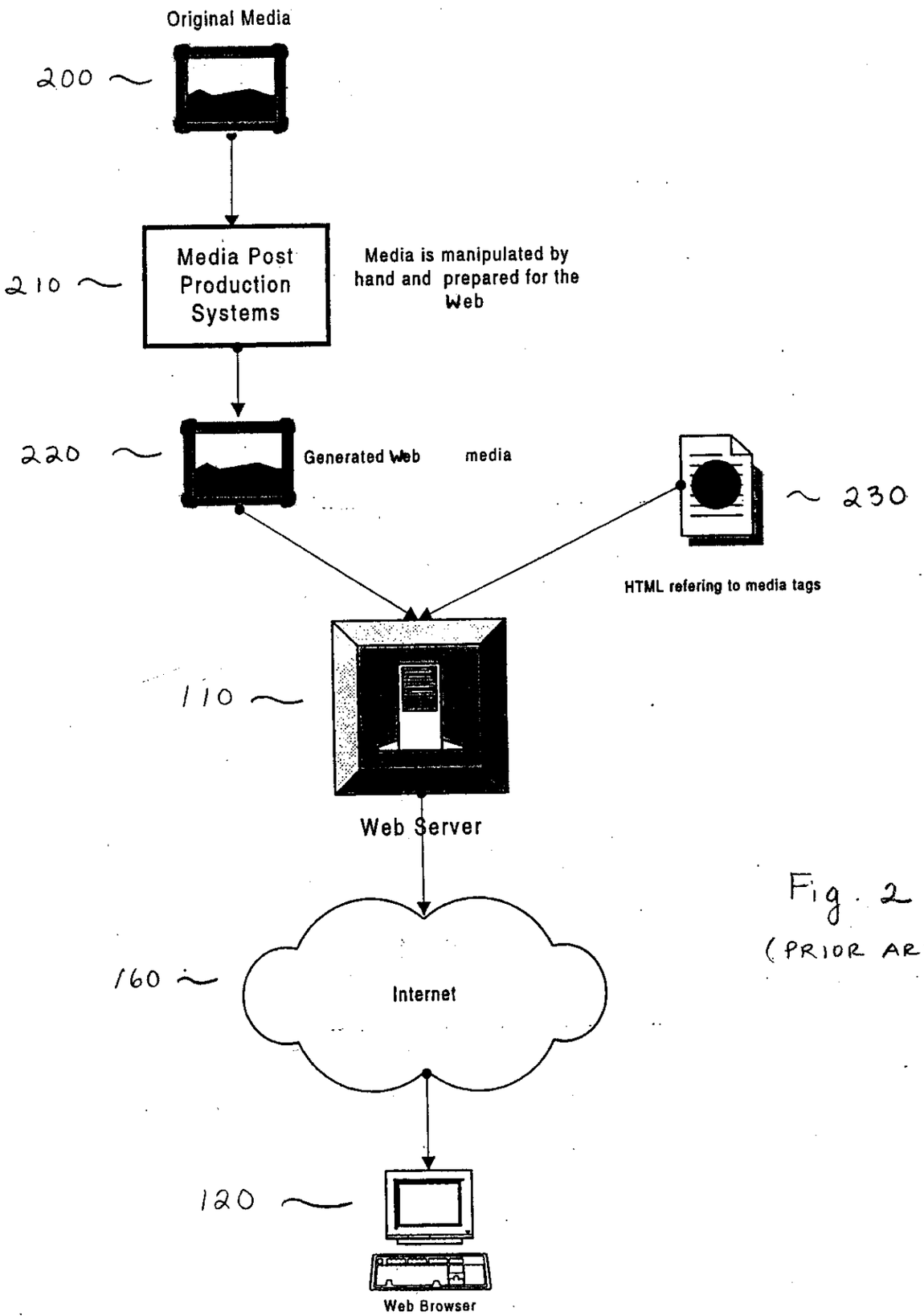

Fig. 2
(PRIOR ART)

PRINT OF DRAWINGS
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Fig. 3

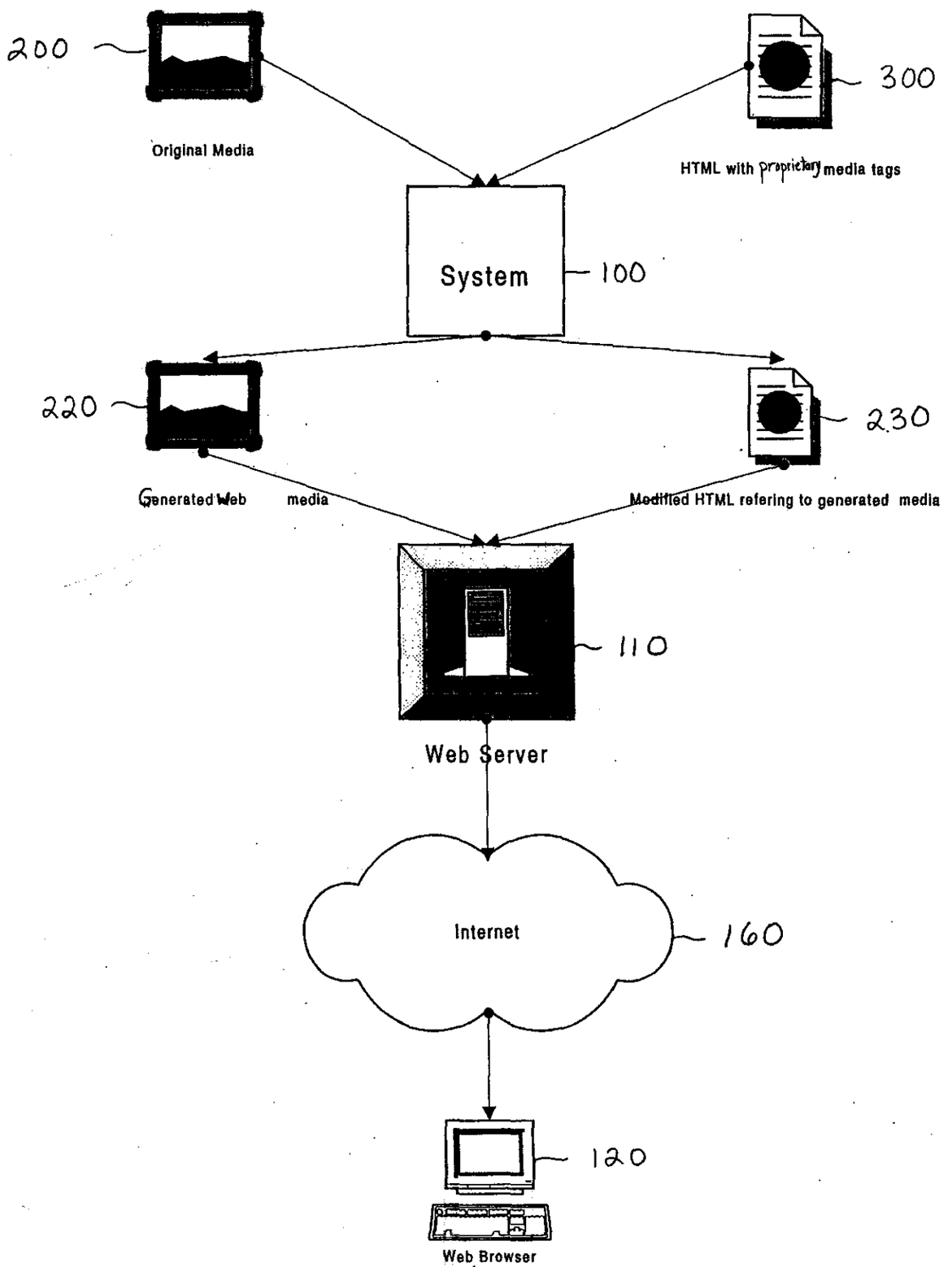

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Fig. 4 (PRIOR ART)

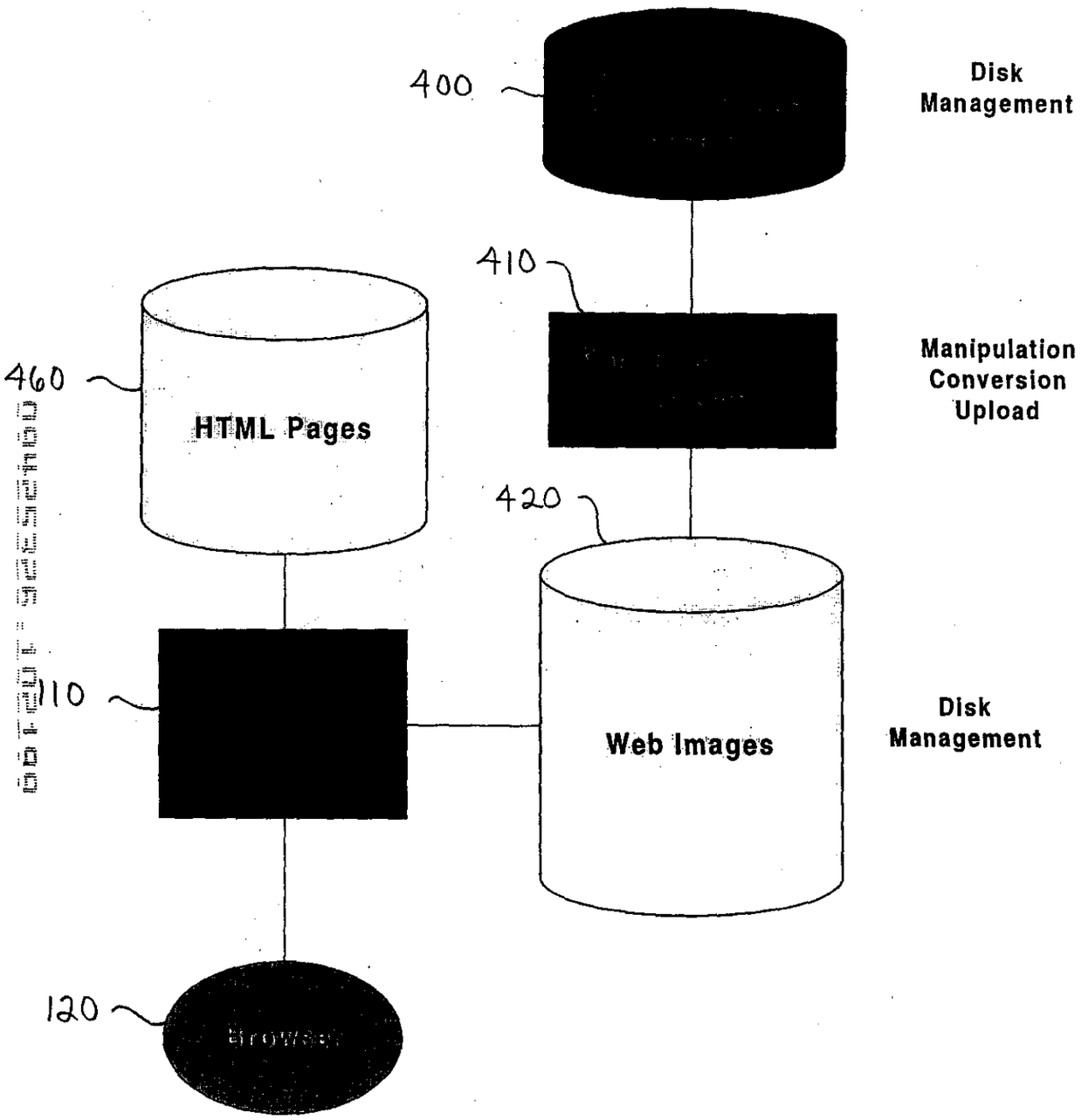

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Fig. 5

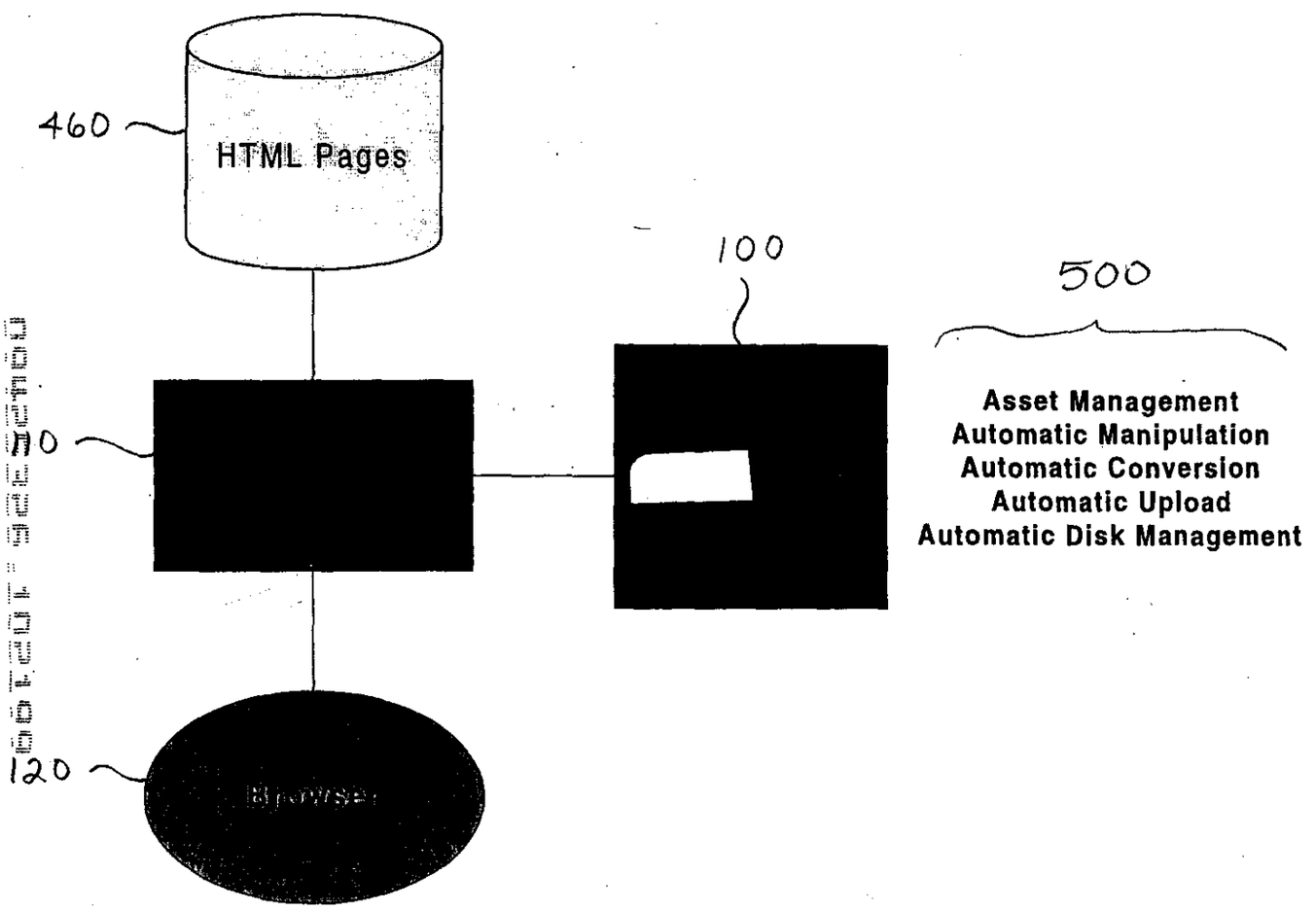

Fig. 6

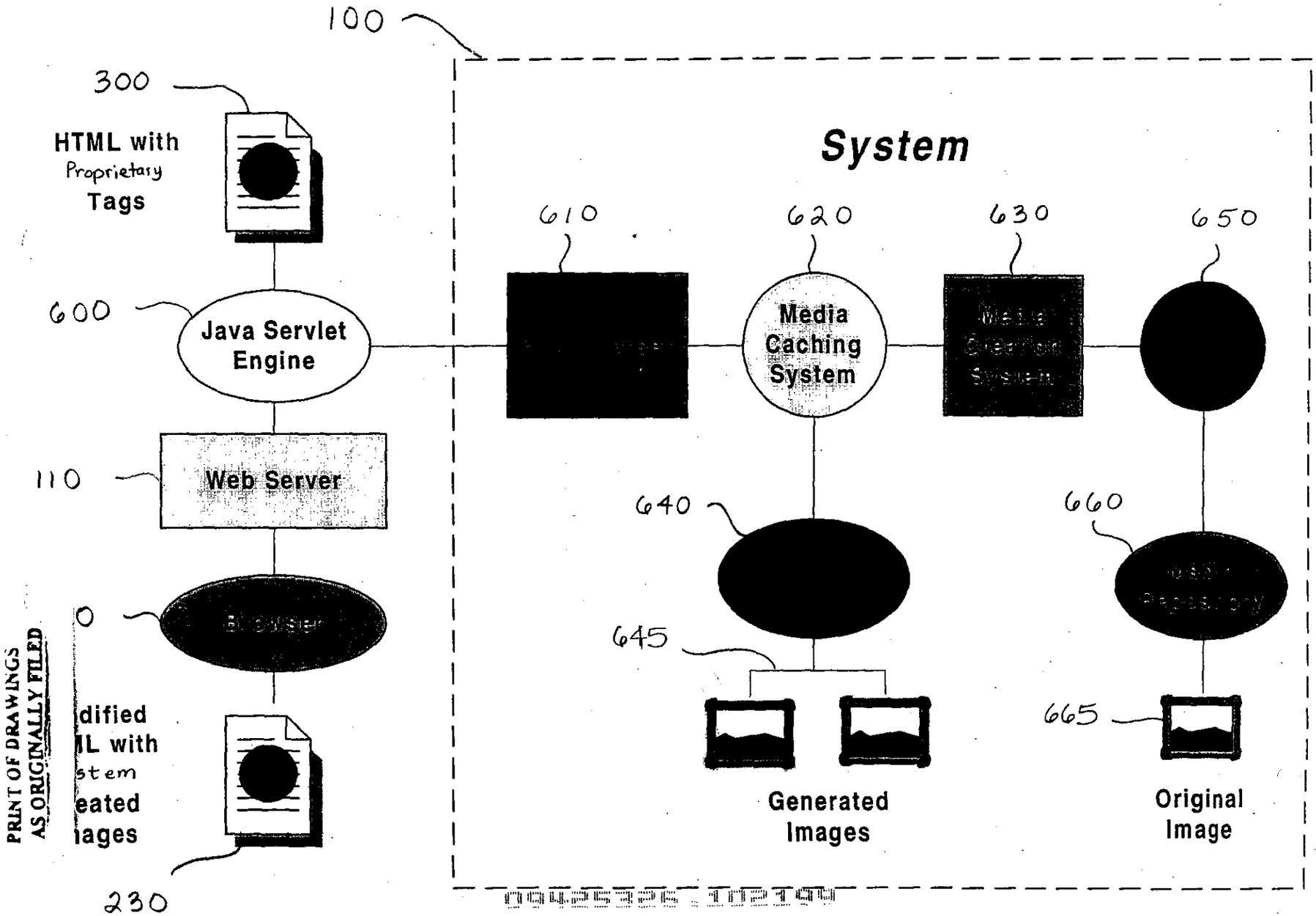

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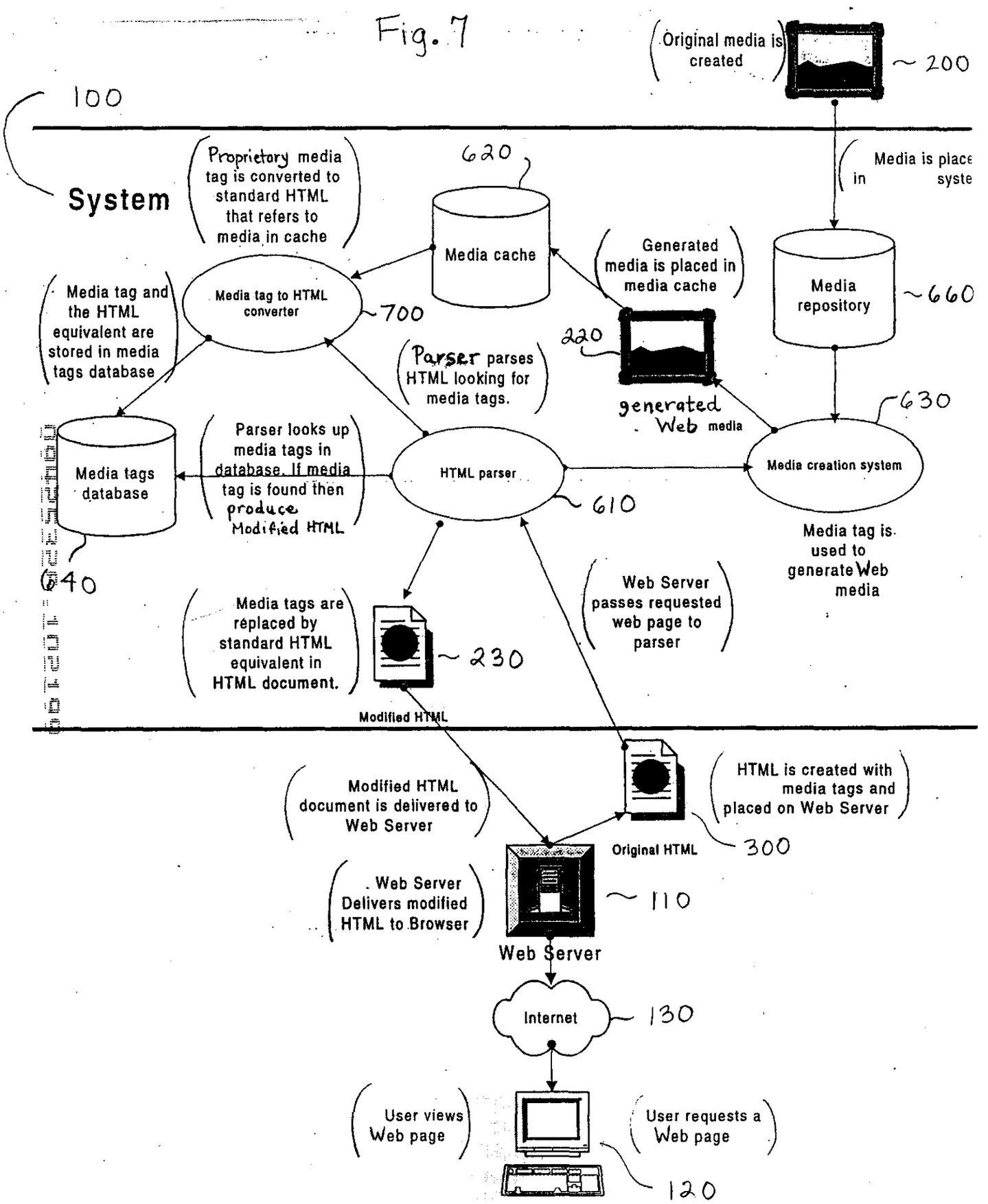
Fig. 7



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Authoring Flowchart

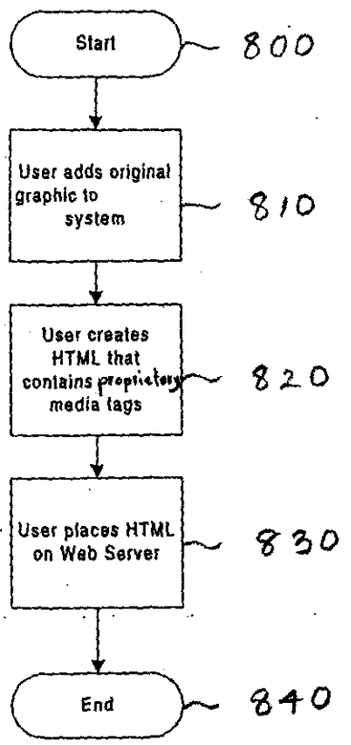

Fig. 8

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HTML Parsing Flowchart

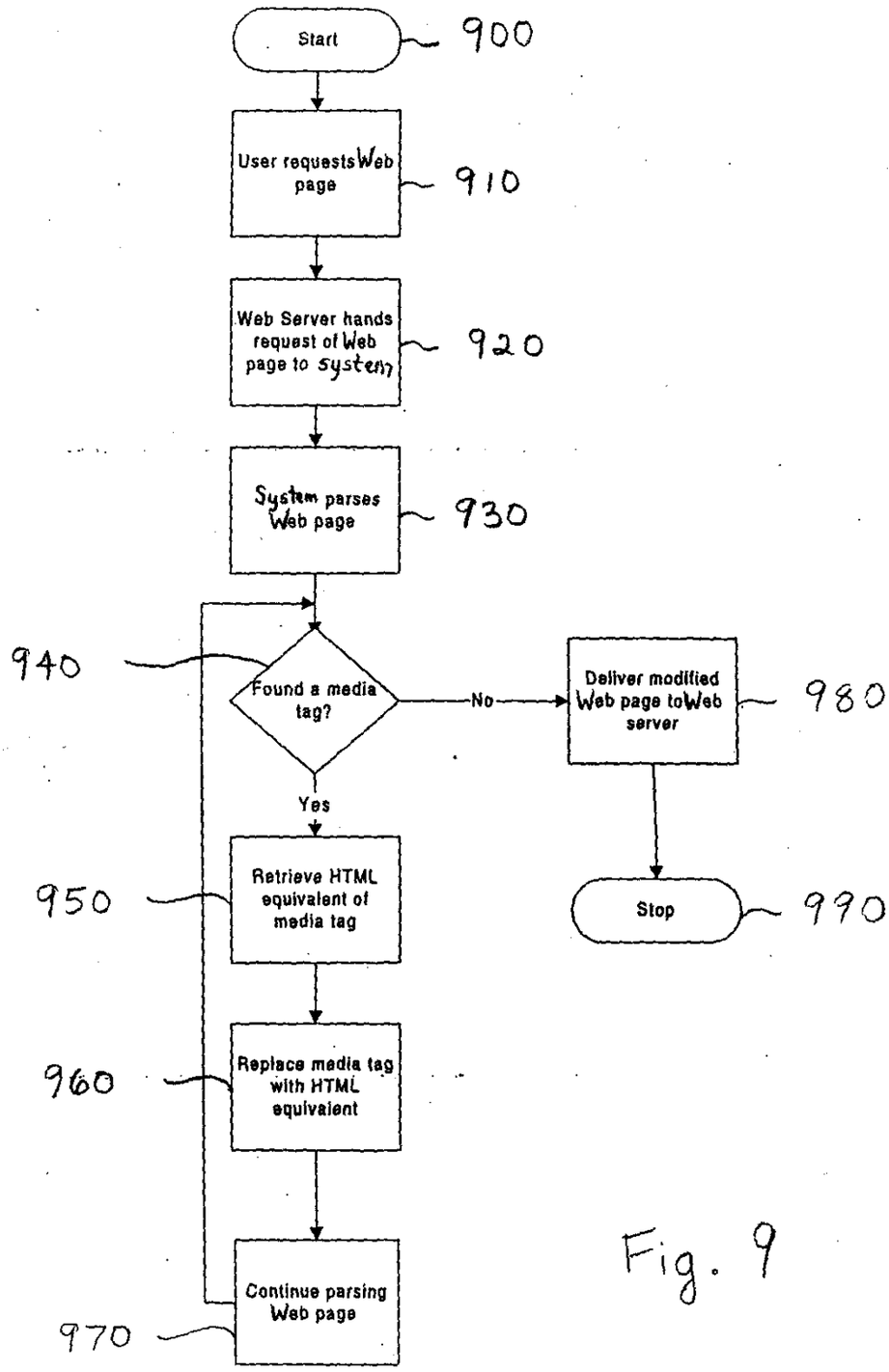

Fig. 9

PRINT OF DRAWINGS AS ORIGINALLY FILED

[illegible] Creation Flow [illegible]hart

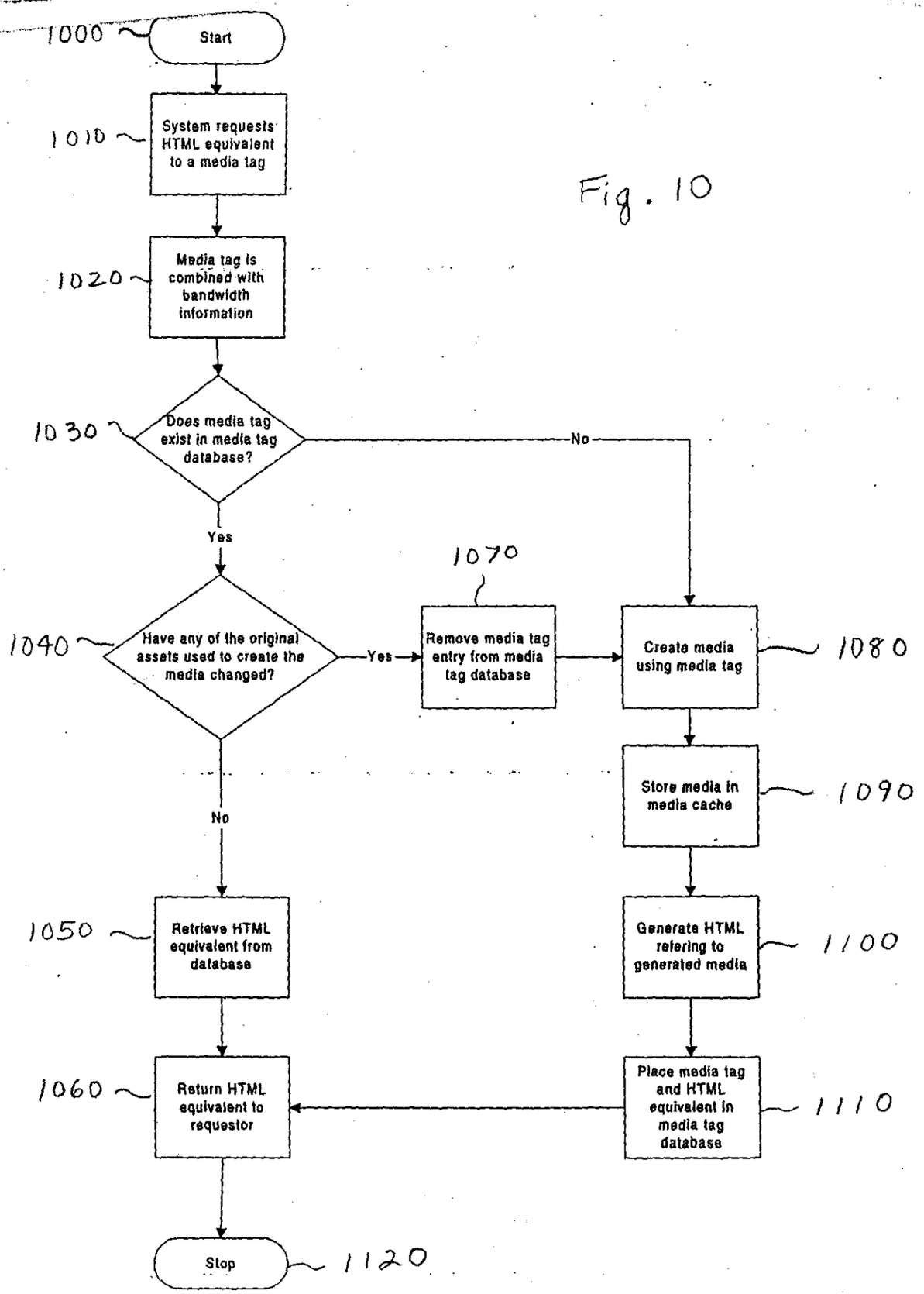

Fig. 10

Fig. 11

File Edit View Go Favorites Window Help Internet Explorer 4.01

Equilibrium Freeride Adminstration

Back Forward Stop Refresh Home Search Mail Favorites Larger Smaller Preferences

Address: http://miles.equilibrium.com/Admin/Administration.asp

Live Home Page | Apple Computer | Apple Support | Apple Store | MSN | Office for Macintosh | Internet Explorer

Channels Favorites History Search

POWERED BY FREERIDE

Equilibrium Freeride Adminstration

Clear the Freeride Database

Check Dependencies

Media Currently in the Freeride Database

MediaScript	Bandwidth	Generated File(s)	Dependencies
#include "includes/board.ms" BoardLogo();	112k	"/ImageServerCache/3264321469_3764525602_3-0.gif"	bgcolor.tga 920674832000
#include "includes/board.ms" BoardLogo();	112k	"/ImageServerCache/3264321469_3764525602_3-0.gif"	bgcolor.tga 920674832000 includes/board.ms 936761026781 page_title.tga 920674836000
var i = new Media(); i.Load(name @ "top_right.tga"); i.Scale(xs @ 232 , ys @ 130); i.Save(type @ "jpeg");	112k	"/ImageServerCache/333740569_3956878100_3-0.jpg"	top_right.tga 920674832000
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Internet zone

PRINT OF DRAWINGS AS ORIGINALLY FILED

09425326 .102199

IPR2023-00330 Page 00056

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Database Description

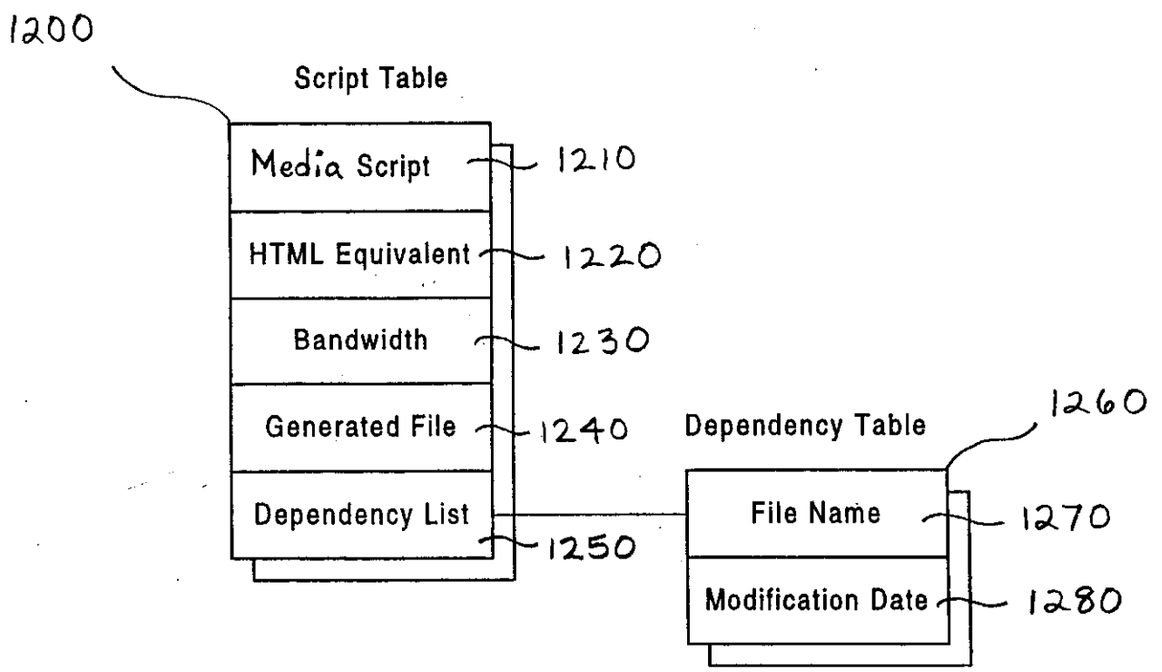

Fig. 12

PRINT OF DRAWINGS
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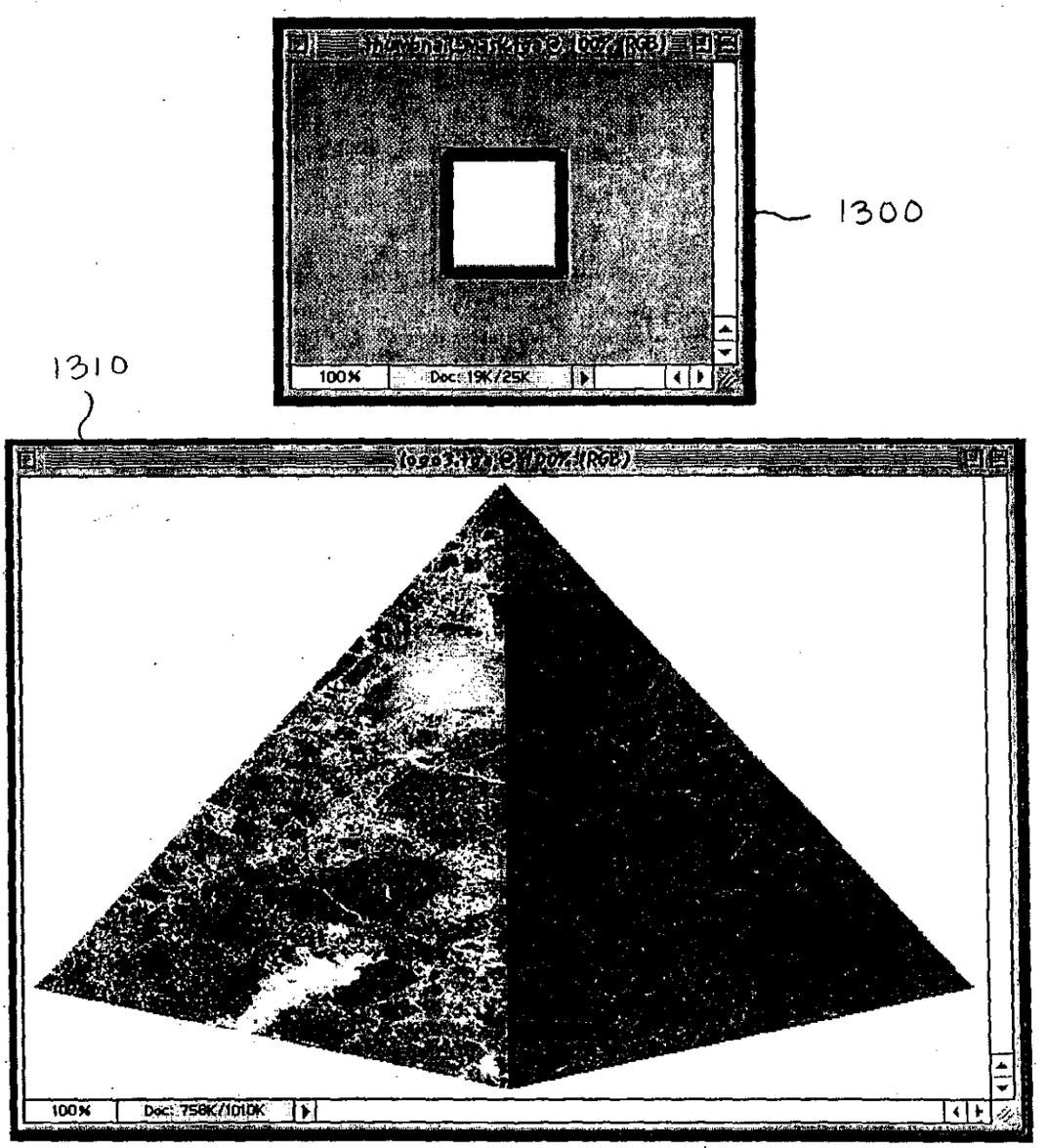
Fig. 13

Original Images



PRINT OF DRAWINGS
AS ORIGINALLY FILED

HTML Document with Proprietary Tag

1400

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Title Frame
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@ "smooth"); i.Reduce(); i.Save(type @ "gif"); </freerideimage>
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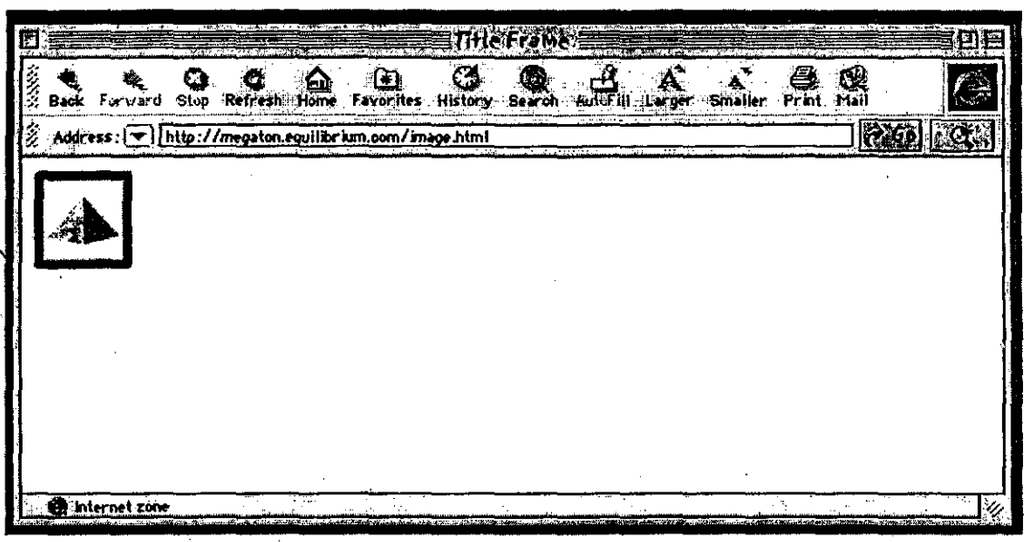
Fig. 14

PRINT OF DRAWINGS
AS ORIGINALLY FILED

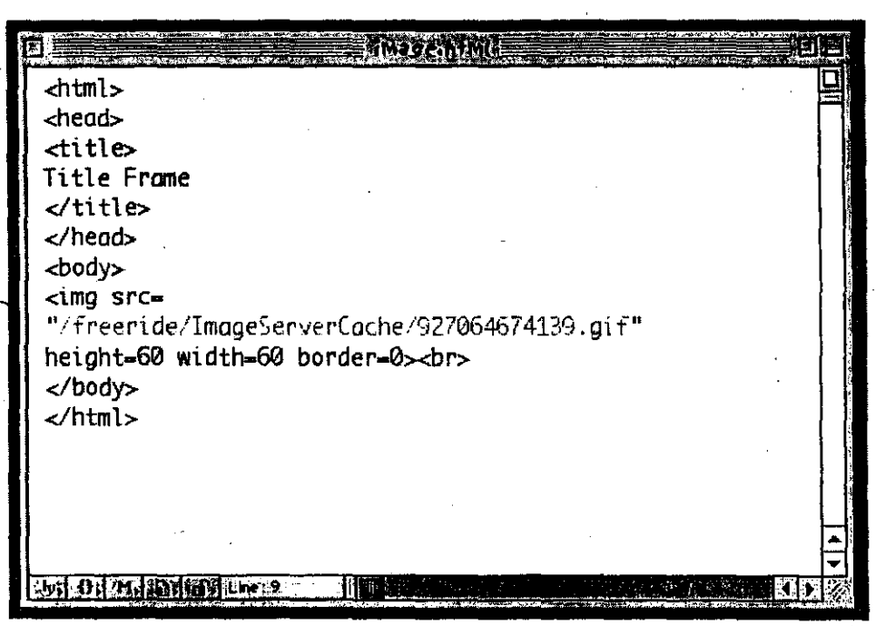
Fig. 15

HTML document viewed in browser



1500

HTML document source



1510

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Generated GIF image

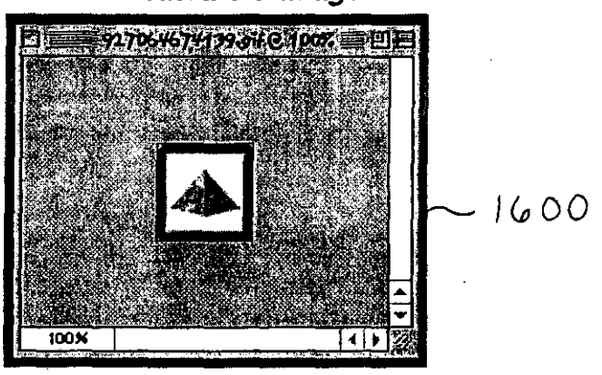


Fig. 16

Attorney Docket No. EQUIT

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

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

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AUTOMATIC PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

the specification of which (check one) X is attached hereto, or __ was filed on _____ as Application Serial No. _____ and was amended on _____ (if applicable).

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

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

==========

I hereby claim foreign priority benefits under Title 35, United Sates Code, Section 119 of any 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 having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed Yes	No
_____ Number Country Day/Month/Year Filed	____	____
_____ Number Country Day/Month/Year Filed	____	____

==========

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

MICHAEL A. GLENN, Reg. No. 30,176
DONALD M. HENDRICKS, Reg. No. 40,355
KIRK D. WONG, Reg. No. 43,284

SEND CORRESPONDENCE TO:

MICHAEL A. GLENN, 125 Lake Road, Portola Valley, CA 94028

==========

Attorney Docket No. EQUIC

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

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

==========

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

Full name of sole or first inventor: CHRISTOPHER SAMANIEGO

Inventor's signature Christopher Samaniego Apt 117 10-19-99 — Date 10-19-99

Residence 461 Second Street, San Francisco, California 94107

Post Office Address Same

Citizenship United States of America

Full name of second joint inventor: NELSON H. "ROCKY" OFFNER

Inventor's signature Nelson H. Offner A.K.A. Rocky Offner — Date 10/19/99

Residence 172 Ardmore Road, Kensington, California 94707

Post Office Address Same N.H.O.

Citizenship United States of America

Full name of third joint inventor: ADRIAN D. THEWLIS

Inventor's signature Adrian D Thewlis — Date

Residence 439 Sherwood Drive, Apt. 204, Sausalito, California 94965

Post Office Address Same APT

Citizenship Australia

Attorney Docket No. EQUIT 1

Full name of fourth joint inventor: DAVID R. BOYD

Inventor's signature _____ 10/19/99
Date

Residence 1256 Kearny Street, San Francisco, California 94133

Post Office Address Same DRB

Citizenship United States of America

Application Assignment Record

According to the application transmittal letter, an assignment recording ownership was filed with this application; however, a copy of this record was not located in the original file history record obtained from the United States Patent and Trademark Office. Upon your request, we will attempt to obtain the assignment documents from the Assignment Recordation Branch of of the United States Patent and Trademark Office or from a related application case (if applicable). Please note that additional charges will apply for this service.

This page is not part of the official USPTO record. It has been determined that content identified on this document is missing from the original file history record.

#2/Prior Art
mail
2/9/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC678 U.S. PTO
09/425326
10/21/99

In re Application of: Samaniego et al. **Docket No. :** EQUI0001
Serial No. : Unknown **Art Unit:** Unknown
Filed: Herewith **Examiner:** Unknown
Title: Automated Processing and Delivery of Media to Web Servers

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted:

(X) under 37 CFR 1.97(b), or
(within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

( ) under 37 CFR 1.97(c) together with either a:
( ) Certification under 37 CFR 1.97(e), or
( ) a $220.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97(d) together with a:
( ) Certification under 37 CFR 1.97(e), and
( ) a $220.00 fee under 37 CFR 1.17(d)(2)(ii), and
( ) a $130.00 petition fee set forth in 37 CFR 1.17(i)(1)
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

( ) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. _____). A copy of this sheet is enclosed for accounting purposes.

(X) Applicant(s) submit herewith Form PTO 1449 -- Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.25.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 156(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,

Michael A. Glenn
Attorney For Applicant
Reg. No. 30,176

125 Lake Road
Portola Valley, CA 94028
(650) 851-7138

Form 1449 (Modified)	Atty Docket No. EQUI0001	Serial No.: ~~Unknown~~ 09/425,326
Information Disclosure Statement By Applicant	Applicant: Samaniego et al.	Group: 2176
(Use Several Sheets if Necessary)	Filing Date: Herewith	~~Unknown~~

JC678 U.S. PTO 09/425326 10/21/99

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
[illegible]	A	5,355,472	10/11/94	Lewis	395	600	11/19/90
[illegible]	B	5,701,451	12/23/97	Rogers et al.	395	600	6/7/95
[illegible]	C	5,708,845	1/13/98	Wistendahl et al.	395	806	9/29/95
[illegible]	D	5,710,918	1/20/98	Lagarde et al.	395	610	6/7/95
	E						
[illegible]	F	5,845,084	12/1/98	Cordell et al.	395	200.64	4/18/96

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
[illegible]	G	0747842A1	12/11/96	EPO	G06F	17/30	X	
[illegible]	H	0843276A1	5/20/98	EPO	G06K	9/20	X	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication

Examiner William F Baxter	Date Considered 10/18/2003

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

PAPER #2

Attorney Docket No. QUI0001

Applicant/Patentee: Christopher Samaniego, Nelson H. "Rocky" Offner, Adrian D. Thewlis and David R. Boyd
Serial or Patent No. _____ Atty Docket No. EQUI0001
Filed or Issued: _____
For: AUTOMATIC PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
37 CFR 1.9(f) and 1.27(c)--SMALL BUSINESS CONCERN

I hereby declare that I am
[ ] the owner of the small business concern identified below:
[X] an official empowered to act on behalf of the small business concern identified below:

NAME OF CONCERN: EQUILIBRIUM

ADDRESS: Three Harbor Drive, Suite 111, Sausalito, California 94965

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

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled: AUTOMATIC PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS, by inventor(s) Christopher Samaniego, Nelson H. "Rocky" Offner, Adrian D. Thewlis and David R. Boyd, described in

[X] the specification filed herewith.
[ ] application Serial No. _____ filed _____
[ ] patent #_____ issued _____

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *Note: separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)
Name: _____
Address: _____
[ ] individual [ ] small business concern [ ] nonprofit organization

Attorney Docket No. QUI0001

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

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

NAME OF PERSON SIGNING: Steve Denebeim

TITLE IN ORGANIZATION: Chief Executive Officer

ADDRESS OF PERSON SIGNING: Three Harbor Drive, Suite 111, Sausalito, California 94965

SIGNATURE _____ DATE 10-15-99

Attorney Docket N QUI0001

Applicant/Patentee: Christopher Samaniego, Nelson H. "Rocky" Offner, Adrian D. Thewlis and David R. Boyd

Serial or Patent No. _____ Atty Docket No. EQUI0001

Filed or Issued: Herewith

For: AUTOMATIC PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS 37 CFR 1.9(f) and 1.27(b)--INDEPENDENT INVENTOR

As a below-named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled: ADJUSTABLE VENT APPARATUS described in

[X] the specification filed herewith
[] application serial no. _____, filed _____.
[ ] patent no. _____, issued _____

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

[ ] no such person, concern, or organization
[X] person, concerns or organizations listed below*

FULL NAME Equilibrium

ADDRESS Three Harbor Drive, Suite 111, Sausalito, California 94965

( ) INDIVIDUAL (X) SMALL BUSINESS CONCERN ( ) NONPROFIT ORGANIZATION

Attorney Docket No QUI0001

***NOTE:** Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

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

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

Christopher Samaniego	10-19-99 Date
Nelson H. "Rocky" Offner	10/19/99 Date
Adrian D. Thewlis	10/19/99 Date
David R. Boyd	10/19/99 Date

OIPE
NOV 12 1999

2755
11-20-99

0260

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the Commissioner of Patents and Trademarks, Washington, D.C., 20231, on the below date of deposit.					
Date of Deposit:	11/9/99	Name of Person Making the Deposit:	Jessica Pallach	Signature of the Person Making the Deposit:	Jessica Pallach

K Ward
2/16/00
#3 Erin
Art
Wattch

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
DEC 0 1 1999
GROUP 2700

In re Application of: Samaniego et al.
Serial No. : 09/425,326
Filed: 10/21/1999
Title: Automated Processing and Delivery of Media to Web Servers

Docket No. : EQUI0001
Art Unit: Unknown
Examiner: Unknown

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted:

(X) under 37 CFR 1.97(b), or
(within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

( ) under 37 CFR 1.97(c) together with either a:
( ) Certification under 37 CFR 1.97(e), or
( ) a $220.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97(d) together with a:
( ) Certification under 37 CFR 1.97(e), and
( ) a $220.00 fee under 37 CFR 1.17(d)(2)(ii), and
( ) a $130.00 petition fee set forth in 37 CFR 1.17(i)(1)
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

( ) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. _____). A copy of this sheet is enclosed for accounting purposes.

(X) Applicant(s) submit herewith Form PTO 1449 -- Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.25.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 156(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,

Kirk D. Wong
Attorney For Applicant
Reg. No. 43,284

125 Lake Road
Portola Valley, CA 94028
(650) 851-7138

OIPE JC NOV 12 1999 PATENT & TRADEMARK OFFICE

OIPE JC NOV 12 1999 PATENT & TRADEMARK OFFICE

RECEIVED DEC 01 1999 GROUP 2700

Form 1449 (Modified)	Atty Docket No.	Serial No.:
Information Disclosure Statement By Applicant	EQUI0001	09/425,326
	Applicant: Samaniego et al.	Group: 2176 ~~Unknown~~
(Use Several Sheets if Necessary)	Filing Date: 10/21/1999	

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,088,052	2/11/92	Spielman et al.	395	158	7/15/88
	B	5,530,852	6/25/96	Meske, Jr. et al.	395	600	12/20/94
	C	5,737,619	4/7/98	Judson	395	761	9/9/96
	D	5,745,908	4/28/98	Anderson et al.	707	513	3/29/96
	E	5,793,964	8/11/98	Rogers et al.	395	200.32	6/7/95
	F	5,822,436	10/13/98	Rhoads	380	54	4/25/96
	G	5,845,299	12/1/98	Arora et al.	707	513	7/29/96
	H	5,860,068	1/12/99	Cook	705	26	12/4/97
	I	5,860,073	1/12/99	Ferrel et al.	707	522	7/17/95
	J	5,861,881	1/19/99	Freeman et al.	345	302	2/8/96
	K	5,862,325	1/19/99	Reed et al.	395	200.31	9/27/96

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
	L	782,085	7/2/97	EPO	G06F	17/30	X	
	M	818,907	1/14/98	EPO	H04L	29/06	X	
	N	833,068	12/9/98	EPO	G06F	17/30	X	
	O	876,034	11/4/98	EPO	H04L	29/06	X	
	P	886,409	12/23/98	EPO	H04L	29/06	X	
	Q	895,171	2/3/99	EPO	G06F	17/60	X	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication

Examiner William L. Bashore	Date Considered 10/18/2023

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

PAPER #3

PTO-1449	Applicant's Docket Number	Serial Number
INFORMATION DISCLOSURE STATEMENT BY APPLICANT **LIST OF ITEMS** (Use several sheets if necessary)	[illegible]-5848	09/604,990
	Name of Applicant Robert R Gallucci et al	
	Filing Date June 28, 2000	Group ~~Not yet assigned~~ 1732

U.S. PATENT DOCUMENTS

* Examiner Initials	Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate
LBT	AA	4	4	7	9	7	1	8	10/30/84	Alman			
	AB	5	6	7	4	9	4	8	10/7/97	Vonk			
	AC	2	4	6	5	3	1	9	3/22/49	Whinfield			
	AD	3	0	4	7	5	3	9	7/31/62	Pengilly			
	AE	5	1	6	4	2	6	1	11/17/92	Windley			
	AF	3	8	4	6	5	0	7	11/5/74	Thomm et al			
	AG	3	8	9	8	2	0	0	8/5/75	Lofquist			
	AH	4	5	7	9	7	6	2	4/1/86	Ucci			
	AI	3	5	4	2	7	4	3	11/24/70	Flamand			
	AJ	5	1	0	8	6	8	4	4/28/92	Anton et al			
	AK	4	6	8	0	2	1	2	7/14/87	Blyth et al			
LBT	AL	4	7	8	0	0	9	9	10/25/88	Greschler et al			

OIPE JC46 SEP 1 8 2000 PATENT & TRADEMARK OFFICE

RECEIVED SEP 22 2000 TC 1700 MAIL ROOM

FOREIGN PATENT DOCUMENTS

		Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO
LBT	AM	WO 00/04095 A1	01/2000	~~World~~ WIPO			
LBT	AN	WO 96/17982 A1	06/1996	~~World~~ WIPO			
LBT	AO	WO 97/07962 A1	03/1997	~~World~~ WIPO			
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent)

	AQ	
	AR	
	AS	

EXAMINER	DATE CONSIDERED
LEO B. TENTONI	3/27/02

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

PTO-1449	Attorney's Docket Number 8CV-5848	Serial Number 09/604,990
INFORMATION DISCLOSURE STATEMENT BY APPLICANT **LIST OF ITEMS**	Name of Applicant Robert R. Gallucci	
(Use several sheets if necessary)	Filing Date June 28, 2000	Group ~~Not yet assigned~~ 1732

U.S. PATENT DOCUMENTS

* Examiner Initials	Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate
LBT	AA	4	3	9	1	9	6	8	7/5/83	Merani et al			
LBT	AB	4	3	7	4	6	4	1	2/22/83	Burlone			
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
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OIPE JC49 SEP 18 2000 PATENT & TRADEMARK OFFICE

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FOREIGN PATENT DOCUMENTS

	Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO
	AM					
	AN					
	AO					
	AP					

OTHER INFORMATION (Including Author, Title, Date, Pertinent)

AQ	
AR	
AS	

EXAMINER	DATE CONSIDERED
LEO B. TENTONI	3/27/02

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

D.J.

UNITED STATES DEPARTMENT OF COMMERCE
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ASSISTANT SECRETARY AND COMMISSIONER
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#4 9/19/00
Change of address

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CHANGE OF ADDRESS/POWER OF ATTORNEY

FILE LOCATION 27C1 SERIAL NUMBER 09425326 PATENT NUMBER

THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 22862

THE PRACTITIONERS OF RECORD HAVE BEEN CHANGED TO CUSTOMER # 22862

THE FEE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 22862

ON 08/17/00 THE ADDRESS OF RECORD FOR CUSTOMER NUMBER 22862 IS:

GLENN PATENT GROUP
3475 EDISON WAY
SUITE L
MENLO PARK CA 94025

AND THE PRACTITIONERS OF RECORD FOR CUSTOMER NUMBER 22862 ARE:

30176 40355 43284 44804 45005

PTO INSTRUCTIONS: PLEASE TAKE THE FOLLOWING ACTION WHEN THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER NUMBER: RECORD, ON THE NEXT AVAILABLE CONTENTS LINE OF THE FILE JACKET, 'ADDRESS CHANGE TO CUSTOMER NUMBER'. LINE THROUGH THE OLD ADDRESS ON THE FILE JACKET LABEL AND ENTER ONLY THE 'CUSTOMER NUMBER' AS THE NEW ADDRESS. FILE THIS LETTER IN THE FILE JACKET. WHEN ABOVE CHANGES ARE ONLY TO FEE ADDRESS AND/OR PRACTITIONERS OF RECORD, FILE LETTER IN THE FILE JACKET.
THIS FILE IS ASSIGNED TO GAU 2776.

PPA

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

22862 7590 06/18/2003
GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER
BASHORE, WILLIAM L

ART UNIT	PAPER NUMBER
2176	5

DATE MAILED: 06/18/2003

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

PTO-90C (Rev. 07-01)

PPG

Office Action Summary	Application No.	Applicant(s)	
	09/425,326	SAMANIEGO ET AL.	
	Examiner	Art Unit	
	William L. Bashore	2176	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☒ Responsive to communication(s) filed on 9/5/2000 (change of address) .

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

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

Disposition of Claims

4)☒ Claim(s) 1-45 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☐ Claim(s) _____ is/are rejected.

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

8)☒ Claim(s) 1-45 are subject to restriction and/or election requirement.

Application Papers

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

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

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

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

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

Priority under 35 U.S.C. §§ 119 and 120

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

a)☐ All b)☐ Some * c)☐ None of:

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

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

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

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

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-32, 35-45, drawn to creation/application of a structured document (i.e. HTML, etc.) , classified in class 715, subclass 513.

II. Claims 33, 34, drawn to administration and maintenance on a network the management and manipulation of assets (data) delivered to a browser (remote data accessing), classified in class 709, subclass 218 .

2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case invention I deals substantially with creation and application of an HTML (structured) document. Invention II deals substantially with administration and maintenance on a network, a plurality of assets (data) for delivery/display on a browser.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is **(703) 308-5807**. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached on **(703) 308-5186**.

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

7. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 746-7239 (for formal communications intended for entry)

or:

(703) 746-7240 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

or:

(703) 746-7238 (for after-final communications)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).

William L. Bashore
June 15, 2003

JOSEPH H. FEILD
PRIMARY EXAMINER

Notice of References Cited	ation/Control No. 09/604,990	Applicant(s)/Patent Under Reexamination GALLUCCI ET AL.	
	Examiner Leo B. Tentoni	Art Unit 1732	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6133382-A	10-2000	Studholme	525/425
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Transaction History Date 2003-07-18
Date information retrieved from USPTO Patent Application Information Retrieval (PAIR) system records at www.uspto.gov

PTO/SB/21 (03-03)
Approved for use through 04/30/2003. OMB 0651-0031
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission: 17

Application Number	09/425,326
Filing Date	10/21/1999
First Named Inventor	Samaniego
Art Unit	2176
Examiner Name	Bashore, William
Attorney Docket Number	EQUI0001

ENCLOSURES *(Check all that apply)*

- [ ] Fee Transmittal Form
  - [ ] Fee Attached
- [x] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [ ] Response to Missing Parts/ Incomplete Application
  - [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
- [ ] After Allowance Communication to a Technology Center (TC)
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- [ ] Proprietary Information
- [ ] Status Letter
- [ ] Other Enclosure(s) (please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Michael A. Glenn, Reg. No. 30,176
Signature	
Date	July 18, 2003

703-746-7239 CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: July 18, 2003

Typed or printed	Rhonda Dunn		
Signature	Rhonda Dunn	Date	July 18, 2003

This collection of information is required by 37 CFR 1.5. 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, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Received from < 650 474 8401 > at 7/18/03 12:25:04 PM [Eastern Daylight Time]

7/18/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Samaniego, *et al*

Serial No. : 09/425,326

Filed: 21 October 1999

Docket No.: EQUI0001

Art Unit: 2176

Examiner: Bashore, W. L.

Title: Automatic Processing and Delivery of Media to Web Servers

July 18, 2003

Mail Stop No-Fee Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

AMENDMENT

Sir:

This Amendment is responsive to the Office Action, dated 18 June 2003, for the above-identified patent application. Amended Claims are attached.

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REMARKS

7/18/03

1. Claims 1-45 are subject to restriction and/or election requirement.

2. Applicant has elected Group I: Claims 1-32, and 35-45, drawn to creation/application of a structured document (*i.e.* HTML, etc.), classified in class 715, subclass 513.

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7/18/03

CONCLUSION

Accordingly, Applicant earnestly solicits the Examiner's withdrawal of the rejection raised in the above referenced Office Action.

Respectfully Submitted,

Michael A. Glenn

Reg. No. 30,176

Customer No. 22862

Received from < 650 474 8401 > at 7/18/03 12:25:04 PM [Eastern Daylight Time]

Claims

7/18/03

Please cancel Claims 33 and 34.

1. (original) A process for delivering HTML or browser language, including ASP, JSP, and CGI, and associated Web media to a Web server, comprising the steps of:

said system taking as input an original media and HTML or browser language having proprietary media tags relating to said original media;

said system generating a specified Web media from said original media and placing it on Web server; and

said system generating HTML or browser language that refers to said Web media and placing it on Web server.

2. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

reading and writing various file formats.

3. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

supporting a plurality of media operations.

4. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating said Web media from said original media.

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5. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating thumbnail images.

6. (original) The process of Claim 1, wherein generating Web media and said HTML or browser language for said Web server further comprises the step of:

dynamically creating images that can be panned and zoomed without browser plug-ins or special file formats.

7. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

automatically propagating changes of original media assets throughout a Web site. Sidoure

8. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

providing an intelligent caching mechanism.

9. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

rendering TrueType fonts on said Web server instead of on a browser.

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10. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

providing intelligent scaling of line drawings.

11. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing a Web designer to manipulate images with a plurality of proprietary tags.

12. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

preserving original image assets.

13. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

optimizing Web server traffic by adjusting bandwidth of graphics.

14. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

optimizing images for client connection speed.

15. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing clients to specify quality of images on a Web site.

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16. (original) The process of Claim 1, wherein generating said Web media and said HTML or browser language for said Web server further comprises the step of:

allowing a Web designer to dynamically create images by manipulating proprietary tags in server-side applications and client-side applications.

17. (original) A system for delivering HTML or browser language, including ASP, JSP, and CGI, and associated Web media to a Web server, comprising:

means for accepting as input an original media and a first HTML document having proprietary media tags;

means for generating said Web media and said HTML or browser language to said Web server; and

wherein said generated HTML or browser language refers to said generated Web media.

18. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for reading and writing various media file formats.

19. (original) The process of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for supporting a plurality of media operations.

20. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

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means for dynamically creating said Web media from said original media.

21. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for dynamically creating thumbnail images.

22. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for dynamically creating images that can be panned and zoomed without browser plug-ins or special file formats.

23. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for automatically propagating changes of original assets throughout a Web site.

24. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for providing an intelligent caching mechanism.

25. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for rendering TrueType fonts on said Web server instead of by a browser.

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26. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for providing intelligent scaling of line drawings.

27. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing a Web designer to manipulate images with a plurality of proprietary tags.

28. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for preserving original image assets.

29. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for optimizing Web server traffic by adjusting bandwidth of graphics.

30. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for optimizing images for client connection speed.

31. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing clients to specify quality of images on a Web site.

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32. (original) The system of Claim 17, wherein means for generating said Web media and said HTML or browser language for said Web server further comprises:

means for allowing a Web designer to dynamically create images by manipulating proprietary tags in server-side applications and client-side applications.

33. (canceled)

34. (canceled)

35. (original) A process for delivering an original media, comprising the steps of:

placing said original media in a network system;

creating an HTML document or browser language having proprietary media tags and placing said HTML document or browser language onto a Web server;

actuating a user request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

parsing said HTML document or browser language on said parser by looking for said proprietary media tags;

looking up said proprietary media tags in a media tags database on said network system;

if at least one media tag of said proprietary media tags is not found,

generating a Web media by using said at least one media tag; placing said generated Web media in a media cache on said network system;

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converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

modifying said HTML document or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

delivering said modified HTML document or browser language from said network system to said Web server; and

delivering said modified HTML document or browser language from said Web server to said customer browser for said customer to view.

~~36.~~ 32 (original) A network system for delivering an original media, comprising:

means for placing said original media in said network system;

means for creating HTML or browser language having proprietary media tags and placing said HTML or browser language onto a Web server;

means for actuating a request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

means for parsing said HTML document on said parser by looking for said proprietary media tags;

means for looking up said proprietary media tags in a media tags database on said network system;

if at least one media tag of said proprietary media tags is not found,

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means for generating a Web media by using said at least one media tag;

placing said generated Web media in a media cache on said network system;

means for converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

means for storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

means for generating HTML or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

means for delivering said generated HTML or browser language from said network system to said Web server; and

means for delivering said modified generated HTML or browser language from said Web server to said customer browser for said customer to view.

~~37~~. 3 (original) An media delivery system using a Java servlet engine, a Web server, and a customer browser for generating HTML or browser language, said generated HTML or browser language having a proprietary image, from an original HTML document or browser language embedded with a proprietary tag, comprising:

an HTML parser subsystem adapted to search for a proprietary tag in said original HTML or browser language and to replace said proprietary tag with a standard HTML tag;

a media caching subsystem adapted to determine a status of existing or needs to be created of said proprietary image for said proprietary tag, and to send said standard HTML tag to said media creation subsystem;

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29

A

a media cache database adapted to store data associated with said proprietary image;

a media creation subsystem adapted to decipher said proprietary tag;

a media processing engine adapted to receive from said media creation subsystem said deciphered proprietary tag and to interpret said tag to generate said proprietary media; and

a media repository adapted to store at least one original media associated with said proprietary media.

4 ~~38~~. (original) The system of Claim 3 ~~37~~, wherein said original HTML or browser language is embedded with a plurality of proprietary tags, said proprietary tags associated with a plurality of proprietary media and associated with a plurality of original media.

5 ~~39~~. (original) The system of Claim 3 ~~37~~, wherein said stored data associated with said proprietary media further comprises:

a script used to create said proprietary media, said script having an associated date ;

a name of said at least one original media used to create said proprietary media, said name having an associated date; and

said generated HTML or browser language.

1 ~~40~~. (original) The system of Claim 3 ~~37~~, wherein said HTML parser subsystem further comprises:

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means for sending said proprietary tag to said media caching subsystem for further processing;

means for receiving from said media caching subsystem said standard HTML tag;

means for searching for a next proprietary tag to replace said next proprietary tag with a next standard HTML tag; and

means for determining that no more proprietary tags exist in said original HTML document or browser language.

41. (original) The system of Claim 37, wherein said media caching subsystem further comprises:

means for determining if said proprietary media has been modified.

42. (original) The system of Claim 39, wherein said media caching subsystem further comprises:

means for determining if said associated script data and said associated original media date have been modified.

43. (original) The system of Claim 37, wherein said media cache database further comprises:

a script table having a media processing script column, an HTML Equivalent column, a Bandwidth column, a Generated File column, and a Dependency List column; and

a dependency table having a File Name column and a Modification Date column.

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44. (original) An authoring process for a user of a proprietary media delivery system on a Web server, said system having proprietary tags, comprising the steps of:

adding an original media asset to said proprietary media delivery system;

creating an HTML document or browser language containing at least one of said proprietary tags; and

placing said created HTML document or browser language on said Web server.

45. (original) A process for creating a media associated with an HTML equivalent tag and associated with a media tag for a system, comprising the steps of:

receiving a request from said system for said HTML equivalent tag;

combining said media tag with bandwidth information;

determining if a media tag entry associated with said media tag exists in a media tag database;

if said media tag entry exists in said media database,

determining if at least one original asset used to create said has changed;

if said at least one original asset used to create said has not changed,

retrieving said HTML equivalent tag from said database; and

return said HTML equivalent tag to said system;

if said at least one original asset used to create said has changed,

removing said media tag entry from said database;

create said media using said media tag;

storing said media in a media cache;

generating an HTML document referring to said generated media;

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placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system;

if said media tag entry does not exist in said media database,

create said media using said media tag;

storing said media in a media cache;

generating HTML or browser language referring to said generated media;

placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system.

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33

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

22862 7590 10/28/2003

GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER
BASHORE, WILLIAM L

ART UNIT	PAPER NUMBER
2176	7

DATE MAILED: 10/28/2003

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

PTO-90C (Rev. 10/03)

Office Action Summary	Application No.	Applicant(s)
	09/425,326	SAMANIEGO ET AL.
	Examiner	Art Unit
	William L. Bashore	2176

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *18 July 2003*.

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

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

Disposition of Claims

4)☒ Claim(s) *1-32 and 35-45* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) *35, 36, 45* is/are allowed.

6)☒ Claim(s) *1-32,37-42 and 44* is/are rejected.

7)☒ Claim(s) *43* is/are objected to.

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

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

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

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

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

Priority under 35 U.S.C. §§ 119 and 120

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

a)☐ All b)☐ Some * c)☐ None of:

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

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

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

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

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *2, 3*.
4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

1. This action is responsive to communications: original application filed **10/21/1999**, IDS filed 10/21/1999 (as paper 2), and 11/12/1999 (as paper 3).

2. The examiner acknowledges Applicant's election of Group I (claims 1-32 and 35-45) for examination on the merits.

3. Claims 1-32, 35-45 are pending. Claims 33, 34 have been canceled. Claims 1, 17, 35, 36, 37, 44, 45 are independent claims.

Specification

4. Applicant is reminded of the proper language and format for an abstract of the disclosure. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

5. The abstract of the disclosure is objected to because said abstract is greater then 150 words. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. **Claim 45 is 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 regard to independent claim 45, the phrase "*...to create said has changed*", and "*... to create said has not changed*" throughout said claim is vague and indefinite. It is unclear to the examiner what is being referred to. The examiner's suggestion of changing each instance of said phrase to "*...to create said media has changed*", and "*...to create said media has not changed*", respectively, will overcome this rejection.

Allowable Subject Matter

8. **Claims 35, and 36** are allowed.

9. **Claim 45** would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action (see above). It is noted that the allowability of claim 45 is based in part on incorporation of the examiner's suggestion to overcome said 35 U.S.C. 112, second paragraph rejection as set forth above.

10. **Claim 43** 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.

Claim Rejections - 35 USC § 103

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

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

12. **Claims 1-4, 8, 11-12, 16-20, 24, 27-28, 32, 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis et al. (hereinafter Davis), U.S. Patent No. 5,937,160 issued August 1999.**

In regard to independent claim 1, Davis teaches updating a hypertext document (residing on a server) via an e-mail message (Davis Abstract). Davis teaches a target web page containing special tags (<RPM> tags) identifying where content from said e-mail is to be inserted, said e-mail containing CGI commands (Davis Figure 7, 14A, column 9 lines 26-37, column 10 lines 30-41). Davis also teaches said e-mail incorporating revisions/additions to other data formats, including graphics, audio, video, etc. (i.e. Web media) (Davis column 3 lines 36-42). Compare with claim 1 "*A process for delivering HTML or browser language, including ASP, JSP, and CGI, and associated Web media to a Web server, comprising the steps of:*".

Davis teaches a hypertext page containing proprietary HTML tags indicating where data (from the incoming e-mail) is to be inserted and/or modified (Davis column 10 lines 30-41, column 14 lines 65-67 to column 15 lines 1-34). Davis does not specifically teach that said proprietary tags are related to an original media, as claimed. However, Davis teaches that an incoming e-mail can include additions to other media formats associated with the hypertext document (i.e. graphics, audio, video media, etc.) (Davis column 3 lines 36-41). Since Davis's proprietary <RPM> tag is replaced by the e-mail's contents (Davis Abstract), and since special tags (i.e. <RPMTD>) can be included within said e-mail and/or HTML document (Davis column 3 lines

49-52, column 15 lines 20-25), the combined teachings provides the claimed equivalent of a proprietary tag related to original (i.e. video) media. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Davis in this fashion, providing Davis the benefit of adding multimedia to a web page, for enhancement purposes (compare with claim 1 "*said system taking as input an original media and HTML or browser language having proprietary media tags relating to said original media*").

Davis teaches generating a web page (on a server) incorporating replacement of proprietary tags with e-mail content, said content comprising CGI commands and other media related data (Davis Abstract, Figure 14A; compare with claim 1 "*said system generating a specified Web media from said original media and placing it on Web server*", and "*said system generating HTML or browser language that refers to said Web media and placing it on Web server.*").

In regard to dependent claim 2, Davis teaches hypertext revisions can take the form of other data formats associated with a hypertext document (i.e. graphics, audio, video, etc.) (Davis column 3 lines 35-42).

In regard to dependent claim 3, Davis teaches an e-mail submission including CGI commands, said submission replaces various hypertext code, resulting in a final document (Davis Figures 14A, 14D-1). Within said Figure 14D1, the applied CGI creates a "Profile Questionaire" submission form (below item 95), when activated, therefore supporting a plurality of media operations (i.e. editing of an input form, etc.).

In regard to dependent claim 4, Davis teaches "real time" (dynamic) web page updating utilizing e-mail submissions (Davis column 8 lines 40-46).

In regard to dependent claim 8, Davis teaches a cache used in a computer for holding data related to communication purposes (Davis column 6 lines 55-59). Since typical operating systems generally incorporate specific (i.e. intelligent) algorithms to manage hardware/software caches for temporarily storing frequently used

data, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate an intelligent caching mechanism for holding various data, providing the benefit of caching for quicker data access.

In regard to dependent claim 11, Davis teaches a user submitting an e-mail for the purpose of revising a web page, said revising comprising manipulation of various data and proprietary <RPM> tags (Davis Abstract).

In regard to dependent claim 12, Davis teaches hypertext document can be revised with various other formatted data (i.e. graphics, audio, video, etc.). Since said other data is submitted via an e-mail message, the original assets are preserved (Davis column 3 lines 36-41).

In regard to dependent claim 16, Davis teaches utilizing various editors on a computer (i.e. client/server) for creating and sending an e-mail for submission, as well as a target Web page residing on a Web server, or other server (Davis Abstract, column 8 lines 45-50, column 10 lines 7-14).

In regard to claims 17-20, 24, 27-28, 32, claims 17-20, 24, 27-28, 32 reflect the system comprising computer executable (process) methods as claimed in claims 1-4, 8, 11-12, 16, respectively, and are rejected along the same rationale.

In regard to independent claim 44, claim 44 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

13. **Claims 5, 10, 21, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, in view of Qureishi et al. (hereinafter Qureshi), U.S. Patent No. 6,456,305 issued September 2002.**

In regard to dependent claims 5, 10, Davis does not specifically teach thumbnail images, or scaling of images. However, Qureshi teaches sizing and positioning HTML objects including thumbnail images and scaling of images utilizing HTML (Qureshi Abstract, Figures 11-13, column 5 lines 1-10). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Qureshi's thumbnails and scaling as content included in Davis's e-mail message, providing Davis the benefit of adding said contents to a web page to enrich its displayed contents.

In regard to dependent claim 21, 26, claims 21, 26 reflect the system comprising computer executable (process) methods as claimed in claims 5, 10, respectively, and are rejected along the same rationale.

14. **Claims 6, 13-14, 22, 29-30, 37-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, in view of Halliday et al. (hereinafter Halliday), U.S. Patent No. 5,880,740 issued March 1999.**

In regard to dependent claim 6, Davis does not specifically teach panning/zooming without plugins or special formats. However, Halliday teaches manipulation of HTML based composite graphic images utilizing changes in image size (i.e. zooming, panning, etc.) (Halliday column 3 lines 40-46). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Halliday's zooming feature into Davis's updatable web pages, providing Davis the benefit of zooming/panning to see image more clearly.

In regard to dependent claims 13, 14, Davis does not specifically teach optimizing network traffic by adjusting graphic bandwidth, or of optimizing images for speed. However, Halliday teaches composite images

whereby only the composite image definition data is transmitted to a destination (instead of the images themselves), thus adjusting bandwidth and optimizing transmission (Halliday Abstract, column 8 lines 29-34). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Halliday to Davis, providing Davis the benefit of reducing bandwidth and optimizing transfer for increasing overall speed.

In regard to dependent claims 22, 29-30, claims 22, 29-30 reflect the system comprising computer executable (process) methods as claimed in claims 6, 13-14, respectively, and are rejected along the same rationale.

In regard to independent claim 37, claim 37 reflects the system comprising computer executable (process) methods as claimed in claim 1, and in further view of the following, is rejected along the same rationale.

Davis teaches an implementation using Java, and a browser (Davis Figure 12A, column 17 lines 29-32; compare with claim 37 "*Java servlet engine*").

Davis does not specifically teach "*a proprietary image*", as claimed. However, Davis teaches e-mail content (i.e. video) associated with a proprietary tag for updating purposes (Davis Abstract, column 3 lines 36-42, 49-51, column 10 lines 30-45, column 14 lines 65-67 to column 15 lines 1-34), which provides the claimed equivalent of a proprietary image (due to its association). It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Davis in this fashion, providing Davis the benefit of updating specific images intended for transmission.

Davis does not specifically teach parsing of data, as claimed. However, it is known in the art that in order for HTML content to be interpreted, the tags and data must be parsed for identification of each said tag and data, therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate parsing to search for specific tags within an HTML document, providing the benefit of parsing to efficiently find tags (compare with claim 37 "*an HTML parser subsystem*").

Davis teaches a cache used in a computer for holding data related to communication purposes (Davis column 6 lines 55-59). Since typical operating systems generally incorporate specific (i.e. intelligent) algorithms to manage hardware/software caches for temporarily storing frequently used data, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate an intelligent caching mechanism for holding and transferring various data, providing the benefit of caching for quicker data access (compare with claim 37 "*a media caching subsystem*", and "*a media cache*").

Davis teaches its invention bundled with a database (Davis column 17 lines 19-21). Davis does not specifically teach said database used for storing media of its invention. However, Halliday teaches clip-art elements, as well as image sets stored in a database (Halliday Figure 10 item 158, column 1 lines 35-40; compare with claim 37 "*database*", and "*media repository*"). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Halliday to Davis, providing Davis the benefit of database repository storage for indexed retrieval.

In regard to dependent claim 38, Davis teaches proprietary tags associated with content. Davis does not specifically teach proprietary tags associated with images and original media, as claimed. However, Davis teaches e-mail content (i.e. video image data) associated with a proprietary tag for updating purposes (Davis Abstract, column 3 lines 36-42, 49-51, column 10 lines 30-45, column 14 lines 65-67 to column 15 lines 1-34), which provides the claimed equivalent of propriety tags associated with media and original media. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Davis in this fashion, providing Davis the benefit of updating specific images intended for transmission.

In regard to dependent claim 39, Davis teaches an e-mail comprising CGI (script) commands for insertion into a web page, as well as proprietary tag <RPMTD>, specifically used for time/date updating, and images known by file names (Davis column 4 lines 9-14, column 15 lines 20-26).

In regard to dependent claim 40, Davis teaches an e-mail submission involving revision of a plurality of sections of a web page, therefore the entire web page is scanned (parsed) accordingly (Davis Figure 13A).

In regard to dependent claims 41, 42, Davis teaches web pages, as well as a Netscape browser (Davis Figure 12B-1, column 2 lines 35-44). Since it is known in the art that Netscape incorporates its own cache for checking web page data modification, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate said cache within Davis, providing Davis the benefit of keeping media and scripts up to date.

15. **Claims 7, 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, in view of Dozier et al. (hereinafter Dozier), U.S. Patent No. 5,870,552 issued February 1999.**

In regard to dependent claim 7, Davis does not specifically teach automatically propagating changes of original media throughout a web site. However, Dozier teaches a method of editing/publishing HTML documents over a network whereby a global search function is used to replace common portions of content (i.e. an updated company logo, or URL shared by many or all documents in a (web site) collection (Dozier Abstract, column 8 lines 29-36). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Dozier to Davis, providing Davis the benefit of updating (via e-mail) site related media for consistency within related pages of a web site.

In regard to dependent claim 23, claim 23 reflects the system comprising computer executable (process) methods as claimed in claim 7, and is rejected along the same rationale.

16. **Claims 9, 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, in view of Sakaguchi et al. (hereinafter Sakaguchi), A browsing tool of multi-lingual documents for users without multi-lingual fonts, ACM International Conference On Digital Libraries, 1996, pages 63-71.**

In regard to dependent claim 9, Davis teaches a web page ultimately displayed on a browser (Davis Figure 14D-1). Since it is known that Netscape (at least Netscape version 1.1 onward) can utilize true type font (TTF) selection for display (i.e. "Courier New"), it would have been obvious to one of ordinary skill in the art at the time of the invention to utilize true type fonts in said display of HTML, for the benefit of visual clarity.

Davis does not specifically teach said TTF on a web server instead of a browser. However, Sakaguchi teaches translation of web pages via proxy servers, using font glyphs (Sakaguchi page 67 sections 3.2 and 3.3). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Sakaguchi to Davis, providing Davis the benefit of TTF on a server in order to free up resources of a client browser.

In regard to dependent claim 25, claim 25 reflects the system comprising computer executable (process) methods as claimed in claim 9, and is rejected along the same rationale.

17. **Claims 15, 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, in view of Bhagwat et al. (hereinafter Bhagwat), U.S. Patent No. 6,563,517 issued May 2003.**

In regard to dependent claim 15, Davis does not specifically teach clients specifying image quality on a web site. However, Bhagwat teaches a user interface for adjusting quality of images associated with a web page (Bhagwat Figure 11, column 4 lines 60-64, column 11 lines 45-55). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Bhagwat to Davis, providing Davis the benefit of adjustment for coping with variability of network characteristics during transmission (see Bhagwat column 3 lines 28-30).

In regard to dependent claim 31, claim 31 reflects the system comprising computer executable (process) methods as claimed in claim 15, and is rejected along the same rationale.

18. **Prior art made of record and not relied upon is considered pertinent to disclosure.**

Motoyama et al.	U.S. Patent No. 6,009,436	issued	12-1999
Orr	U.S. Patent No. 6,591,280	issued	07-2003
Orr et al.	U.S. Patent No. 5,895,476	issued	04-1999
Lakritz	U.S. Patent No. 6,623,529	issued	09-2003
Sidana	U.S. Patent No. 5, 890,170	issued	03-1999

Conclusion

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is **(703) 308-5807**. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on **(703) 305-9792**.

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

20. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).

William L. Bashore
Patent Examiner, AU 2176
October 16, 2003

Notice of References Cited	Application/Control No. 09/425,326	Applicant(s)/Patent Under Reexamination SAMANIEGO ET AL.	
	Examiner William L. Bashore	Art Unit 2176	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,937,160	08-1999	Davis et al.	709/203
	B	US-5,880,740	03-1999	Halliday et al.	345/629
	C	US-6,456,305	09-2002	Qureshi et al.	345/800
	D	US-5,870,552	02-1999	Dozier et al.	709/219
	E	US-6,563,517	05-2003	Bhagwat et al.	345/735
	F	US-6,009,436	12-1999	Motoyama et al.	707/102
	G	US-6,591,280	07-2003	Orr, Stephen Jonathan	715/513
	H	US-5,895,476	04-1999	Orr et al.	715/517
	I	US-6,623,529	09-2003	Lakritz, David	715/536
	J	US-5,890,170	03-1999	Sidana, Ashmeet S.	715/501.1
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Sakaguchi et al., A browsing tool of multi-lingual documents for users without multi-lingual fonts, ACM International Conference On Digital Libraries, 1996, pages 63-71.
	V	
	W	
	X	

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

Other Prior Art

According to the information contained in form PTO-1449 or PTO-892, there are one or more other prior art/non-patent literature documents missing from the original file history record obtained from the United States Patent and Trademark Office. Upon your request we will attempt to obtain these documents from alternative resources. Please note that additional charges will apply for this service.

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1 An Illustra technical white paper 87%
John Gaffney
ACM SIGMOD Record March 1996
Volume 25 Issue 1
Illustra's Web DataBlade module is a comprehensive toolset for creating Web-enabled database applications that dynamically retrieve and update Illustra database content. You can construct simple query front ends in a matter of minutes and powerful Web applications in just a few hours with the Web DataBlade module. The Illustra Web DataBlade makes it easy for you to take full advantage of the Illustra server's many important features, including extensible data types, an underlying rules syst ...

2 Tools and approaches for developing data-intensive Web applications: a survey 85%
Piero Fraternali
ACM Computing Surveys (CSUR) September 1999
Volume 31 Issue 3
The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

3 The Satchel system architecture: mobile access to documents and services 84%
Mike Flynn , David Pendlebury , Chris Jones , Marge Eldridge , Mik Lamming
Mobile Networks and Applications December 2000
Volume 5 Issue 4

Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as

09/425,326

easily as with paper, face‐‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

4 An efficient and lightweight embedded Web server for Web-based network element management 83%
Hong-Taek Ju , Mi-Joung Choi , James W. Hong
International Journal of Network Management September 2000
Volume 10 Issue 5
An Embedded Web Server (EWS) is a Web server which runs on an embedded system with limited computing resources to serve embedded Web documents to a Web browser. By embedding a Web server into a network device, it is possible to provide a Web‐based management user interface, which are user‐friendly, inexpensive, cross‐platform, and network‐ready. This article explores the topic of an efficient and lightweight embedded Web server for Web‐based netw ...

5 Web page presenter 82%
Rumen Kostadinov
The Journal of Computing in Small Colleges May 2002
Volume 17 Issue 6
Currently, PowerPoint presentations have many useful features. The basic features are dividing the presentation into slides, dividing the slides into segments, displaying the slides and the segments sequentially and applying special effects to the slides and/or segments.However, the PowerPoint software has a few significant limitations: • The presentation files are large and in proprietary format. • The presentation could be posted on the Web, but then it loses the special effects ? ...

6 Special section on advanced XML data processing: Preservation of digital data with self-validating, self-instantiating knowledge-based archives 82%
Bertram Ludäscher , Richard Marciano , Reagan Moore
ACM SIGMOD Record September 2001
Volume 30 Issue 3
Digital archives are dedicated to the long-term preservation of electronic information and have the mandate to enable sustained access despite rapid technology changes. Persistent archives are confronted with heterogeneous data formats, helper applications, and platforms being used over the lifetime of the archive. This is not unlike the interoperability challenges, for which mediators are devised. To prevent technological obsolescence over time and across platforms, a migration approach for per ...

7 Model-driven development of Web applications: the AutoWeb system 82%
Piero Fraternali , Paolo Paolini
ACM Transactions on Information Systems (TOIS) October 2000
Volume 18 Issue 4
This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

8 Representing internet streaming media metadata using MPEG-7 multimedia description schemes 82%

Eric Rehm
Proceedings of the 2000 ACM workshops on Multimedia November 2000

Singingfish.com uses MPEG-7 description schemes to model the metadata characteristics of Internet streaming media. Further it has used MPEG-7 description schemes as the basis for a number of internal experiments, processes, as well as interchange with commercial content partners. This paper describes our selection of description schemes from the MPEG-7 Multimedia Description Schemes (MDS) Working Drafts, their ability (or lack thereof) to represent Internet streaming media metadata, and our e ...

9 Interactive mathematics via the Web using MathML 82%
Francis J. Wright
ACM SIGSAM Bulletin June 2000
Volume 34 Issue 2
MathML is a mathematical markup language intended for displaying mathematics in web browsers. At present, it can be used to display mathematics generated dynamically in response to interactive queries only if the browsing and generating facilities are chosen carefully. This paper examines the background and possible options, and describes some of the details of the use of MathML to display the output from a web-based demonstration of an ordinary differential equation solver running in REDUCE ...

10 Managing the software design documents with XML 82%
Junichi Suzuki , Yoshikazu Yamamoto
Proceedings of the 16th annual international conference on Computer documentation September 1998

11 Integrating and customizing heterogeneous e-commerce applications 80%
Anat Eyal , Tova Milo
The VLDB Journal — The International Journal on Very Large Data Bases August 2001
Volume 10 Issue 1
A broad spectrum of electronic commerce applications is currently available on the Web, providing services in almost any area one can think of. As the number and variety of such applications grow, more business opportunities emerge for providing new services based on the integration and customization of existing applications. (Web shopping malls and support for comparative shopping are just a couple of examples.) Unfortunately, the diversity of applications in each specific domain and the dispar ...

12 Information storage and management in large web-based applications using XML 80%
Manirupa Das , Pamela B. Lawhead
The Journal of Computing in Small Colleges June 2003
Volume 18 Issue 6
The Extensible Markup Language [XML], was intended to be a meta-language, when it was initially approved as a Web Standard by the World Wide Web Consortium (W3C), in February of 1998. Since then, it has come a very long way in applicability and popularity and is fast becoming the Standard for Data Interchange over the Web. XML has now formed the foundation for a completely new way of communicating across the Internet. The power of XML to be applied universally to a number of areas lies in the fa ...

13 Database: Integrating XML into a database systems course 80%
Paul J. Wagner , Thomas K. Moore
Proceedings of the 34th SIGCSE technical symposium on Computer science education February

2003
eXtensible Markup Language (XML) is becoming a standard tool for data storage and transmission. Integrating XML into current database systems courses provides students with an understanding of the growing role of XML in data management and manipulation. We have successfully designed and implemented several exercises for a database systems course in the context of a real-world software project that educate students as to how XML relates to current Database Systems course topics.

14 Live documents with contextual, data-driven information components 80%
Anke Weber , Holger M. Kienle , Hausi A. Müller
Proceedings of the 20th annual international conference on Computer documentation October 2002
We introduce the notion of a live document and we describe our concept of live documents with contextual, data driven information components. The dynamic and interactive features of live documents provide a consistent data source for multimedia presentations targeted to various audiences and multiple platforms. Therefore, they contribute to the solution of key challenges in single sourcing and repurposing. We motivate the use of live documents with sample scenarios from the field of systems docu ...

15 Integrating web sites and databases 80%
Mike Morrison , Joline Morrison , Anthony Keys
Communications of the ACM September 2002
Volume 45 Issue 9
Web site developers creating 'data-based Web pages' that interact with organizational databases need to know server- and client-side processing.

16 Ubiquitous WWW: Profiles for the situated web 80%
Lalitha Suryanarayana , Johan Hjelm
Proceedings of the eleventh international conference on World Wide Web May 2002
The World Wide Web is evolving into a medium that will soon make it possible for conceiving and implementing situation-aware services. A situation-aware or situated web application is one that renders the user with an experience (content, interaction and presentation) that is so tailored to his/her current situation. This requires the facts and opinions regarding the context to be communicated to the server by means of a profile, which is then applied against the description of the application o ...

17 Building efficient and effective metasearch engines 80%
Weiyi Meng , Clement Yu , King-Lup Liu
ACM Computing Surveys (CSUR) March 2002
Volume 34 Issue 1
Frequently a user's information needs are stored in the databases of multiple search engines. It is inconvenient and inefficient for an ordinary user to invoke multiple search engines and identify useful documents from the returned results. To support unified access to multiple search engines, a metasearch engine can be constructed. When a metasearch engine receives a query from a user, it invokes the underlying search engines to retrieve useful information for the user. Metasearch engines have ...

18 Software: An open software architecture for virtual reality interaction 80%
Gerhard Reitmayr , Dieter Schmalstieg
Proceedings of the ACM symposium on Virtual reality software and technology November 2001
This article describes OpenTracker, an open software architecture that provides a framework for the different tasks involved in tracking input devices and processing multi-modal input data in virtual

environments and augmented reality application. The OpenTracker framework eases the development and maintenance of hardware setups in a more flexible manner than what is typically offered by virtual reality development packages. This goal is achieved by using an object-oriented design based on XML, ...

19 Workshop: Documenting software systems with views II: an integrated approach based on XML 80%
Jochen Hartmann , Shihong Huang , Scott Tilley
Proceedings of the 19th annual international conference on Computer documentation October 2001
Software engineers rely on program documentation as an aid in understanding the functional nature, high-level design, and implementation details of complex applications. Without such documentation, engineers are forced to rely solely on source code. This is a time-consuming and error-prone process, especially when one considers the amount of information assimilation and domain mapping that is required to understand the architecture of a large-scale software system. This paper describes an integr ...

20 Effective Web data extraction with standard XML technologies 80%
Jussi Myllymaki
Proceedings of the tenth international conference on World Wide Web April 2001

Results 1 - 20 of 156 short listing

Prev Next
1 2 3 4 5 6 7 8

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09/425/326

Form PTO 948 (Rev. 8-98) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 425326

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 10/21/95 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. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

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

COMMENTS

REVIEWER [signature] DATE 12/20/95 TELEPHONE NO. ____

ATTACHMENT TO PAPER NO. 7

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Certificate of Transmission Under 37 C.F.R. §1.8
I hereby certify that this document and the documents referred to herein as attached are being transmitted via facsimile to the United States Patent and Trademark Office, Attn: William Bashore to facsimile number (703) 872-9306 on the below indicated date of deposit.

Date of Deposit:	1/14/2004	Name of Person Making the Deposit:	Rhonda Dunn	Signature of the Person Making the Deposit:	Rhonda Dunn

In re Application of: Samaniego, *et al.*
Serial No. : 09/425,326
Filed: 21 October 1999

Docket No.: EQUI0001
Art Unit: 2176
Examiner Bashore, W. L.

Title: Automatic Processing and Delivery of Media to Web Servers

DATE: JANUARY 14, 2004

Re: **Fax Transmittal of Non-Final Amendment**

To: United States Patent and Trademark Office
Fax: (703) 872-9306
Attention: William Bashore Art Unit 2176

Pages (including coversheet): 15

Attached to this facsimile coversheet please find the following document:

- Amendment (14 pages)

#8/B 4-22/04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Samaniego, *et al.* Docket No.: EQUI0001

Serial No. : 09/425,326 Art Unit: 2176

Filed: 21 October 1999 Examiner: Bashore, W. L.

Title: Automatic Processing and Delivery of Media to Web Servers

January 14, 2004

Commissioner for Patents

Mail Stop Non Fee Amendment

P.O. Box 1450

Alexandria, VA 22313-1450

AMENDMENT

Sir:

This Amendment is responsive to the Office Action, dated 28 October 2003, for the above-identified patent application. Amended Specification is attached. Amended Claims are attached.

PAGE 2/15 * RCVD AT 1/14/2004 6:03:02 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:650 474 8401 * DURATION (mm-ss):03-08

REMARKS

1. Applicant thanks the Examiner for the Examiner's comments which have greatly assisted Applicant in responding.

It should be appreciated that Applicant has elected to cancel Claims 1-32, 43, and 44 without prejudice (33 and 34 were previously canceled without prejudice) and amend Claims 37 and 45 solely for the purpose of expediting the patent application process in a manner consistent with the PTO's Patent Business Goals, 65 Fed. Reg. 54603 (9/8/00). In making such amendment, Applicant has not and does not in any way narrow the scope of protection to which Applicant considers the invention herein to be entitled. Rather, Applicant reserves Applicant's right to pursue such protection at a later point in time and merely seeks to pursue protection for the subject matter presented in this submission.

2. **Specification.** The Examiner objected to the Abstract of the disclosure because it is greater than 150 words and required correction.

Applicant has amended the Abstract to overcome the Examiner's objection. Accordingly, Applicant respectfully requests that the Examiner withdraw the objection.

3. **35 U.S.C. § 112.** The Examiner has rejected Claim 45 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. Applicant has

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amended Claim 45 as to address the Examiner's comments. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §112, second paragraph.

4. **Claim 37, its dependent claims, and Claim 43**. The Examiner objected to Claim 43 as being dependent upon a rejected base claim (Claim 37), but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. It should be appreciated that Claim 43 depends directly from Claim 37, *i.e.* no intervening claims. Applicant has canceled Claim 43 without prejudice and has amended Claim 37 to incorporate the limitations of Claim 43. Therefore, amended Claim 37 and its dependent claims are in allowable condition. Accordingly, Applicant respectfully requests that the Examiner withdraw the objection.

5. **35 U.S.C. §103(a)**. The Examiner has rejected Claims 1-4, 8, 11-12, 16-20, 24, 27-28, 32, and 44 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160).

The rejection of Claims 1-4, 8, 11-12, 16-20, 24, 27-28, 32, and 44 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

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6. **35 U.S.C. §103(a).** The Examiner has rejected Claims 5, 10, 21, and 26 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160), in view of Qureshi *et al* (U.S. Patent number 6,456,305).

The rejection of Claims 15, 10, 21, and 26 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

7. **35 U.S.C. §103(a).** The Examiner has rejected Claims 6, 13-14, 22, 29-30, 37-42 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160), in view of Halliday *et al* (U.S. Patent number 5,880,740).

The rejection of Claims 6, 13-14, 22, 29-30, 37-42 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

8. **35 U.S.C. §103(a).** The Examiner has rejected Claims 7 and 23 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160), in view of Dozier *et al* (U.S. Patent number 5,870,552).

The rejection of Claims 7 and 23 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

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9. **35 U.S.C. §103(a).** The Examiner has rejected Claims 9 and 25 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160), in view of Sakaguchi *et al*, A browsing tool of multi-lingual documents for users without multi-lingual fonts, ACM International Conference On Digital libraries, 1996, pages 63-71.

The rejection of Claims 9 and 25 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

10. **35 U.S.C. §103(a).** The Examiner has rejected Claims 15 and 31 under 35 U.S.C. §103(a) as being unpatentable over Davis *et al* (U.S. Patent number 5,937,160), in view of Bhagwat *et al*, (U.S. Patent No. 6, 563,517).

The rejection of Claims 15 and 31 under 35 U.S.C. §103(a) is deemed moot in view of Applicant's comments hereinabove. Therefore, Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. §103(a).

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CONCLUSION

Based on the foregoing, Applicant considers the present invention to be distinguished from the art of record. Accordingly, Applicant earnestly solicits the Examiner's withdrawal of the objections and rejections raised in the above referenced Office Action, such that a Notice of Allowance is forwarded to Applicant, and the present application is therefore allowed to issue as a United States patent.

Respectfully Submitted,

Michael A. Glenn

Reg. No. 30,176

Customer No. 22862

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Amendment to the Specification

On page 34, Abstract, please replace the single paragraph with the following paragraph, as follows.

B1

~~A system is provided for the automatic process and delivery of media, such as images, video, and sound to a Web server. A primary feature of the invention is that it eliminates the laborious post-production work that must be done before a media asset can be delivered on a Web server. This system uses as input the original media, an HTML document or browser language having proprietary tags, Web server traffic, and Web client capabilities. This system uses the input to generate an optimized Web media, generates HTML to refer to the generated media, and automatically deploys the HTML and media to the Web server. The Web authoring process involves the creation of the media, the assignment of a unique name to the media, and the modification of the HTML document or browser language to contain a proprietary tag that contains the media's unique name, the modification to be performed on the media, and the Web page format for the media. Once the authoring is complete, it may be viewed by a client browser. The client browser retrieves the page containing the media in a standard way. A Web server passes the HTML or browser language, including ASP, JSP, and CGI, the client browser capabilities, and current server traffic to the system, which parses the HTML or browser language searching for the proprietary tags. If the proprietary tag is found, the tag is processed to generate a Web media. The system replaces the proprietary tag with standard HTML tags containing the generated media and the Web page delivery to the browser. The proprietary tag is combined with current server load~~

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~~statistics and client browser capabilities to generate a key. The key is looked up in the system's database. If the key is found, the associated HTML tag is received and the proprietary tag is replaced as discussed above. If the key is not found, the system uses the HTML tag along with the client browser to generate an optimized media for the client. An HTML tag is created based on the proprietary tag and contains the generated media. The information is stored in the system database in case identical proprietary tags are processed.~~

B1

A system using as input original media, an HTML document or browser language having proprietary tags, Web server traffic, and Web-client capabilities to generate an optimized Web media and HTML to refer to the generated media, and to automatically deploy the HTML and media to the Web server is provided. A Web authoring process is provided for facilitating creation of the media, assignment of a unique name to the media, and modification of the HTML document or browser language to contain a proprietary tag. Viewing capability is provided by the Web server passing the HTML or browser language, client browser capabilities, and current server traffic to the system, which parses the HTML or browser language searching for the proprietary tags. If a proprietary tag is found, the tag is processed to generate the Web media. Information is stored in the system database in case identical proprietary tags are processed.

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Amendment to the Claims

Claims 1-34 (canceled)

35. (original) A process for delivering an original media, comprising the steps of:

placing said original media in a network system;

creating an HTML document or browser language having proprietary media tags and placing said HTML document or browser language onto a Web server;

actuating a user request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

parsing said HTML document or browser language on said parser by looking for said proprietary media tags;

looking up said proprietary media tags in a media tags database on said network system;

If at least one media tag of said proprietary media tags is not found,

generating a Web media by using said at least one media tag; placing said generated Web media in a media cache on said network system;

converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

modifying said HTML document or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

delivering said modified HTML document or browser language from said network system to said Web server; and

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delivering said modified HTML document or browser language from said Web server to said customer browser for said customer to view.

2 ~~36~~. (original) A network system for delivering an original media, comprising:

means for placing said original media in said network system;

means for creating HTML or browser language having proprietary media tags and placing said HTML or browser language onto a Web server;

means for actuating a request from a customer browser for a Web page by having said Web server pass said requested Web page to an HTML parser on said network system;

means for parsing said HTML document on said parser by looking for said proprietary media tags;

means for looking up said proprietary media tags in a media tags database on said network system;

if at least one media tag of said proprietary media tags is not found,

means for generating a Web media by using said at least one media tag;

placing said generated Web media in a media cache on said network system;

means for converting said at least one media tag to at least one standard HTML equivalent tag that refers to said media in said cache; and

means for storing said at least one media tag and said at least one standard HTML equivalent tag in said database;

means for generating HTML or browser language by replacing said at least one media tag by said at least one standard HTML equivalent tag;

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means for delivering said generated HTML or browser language from said network system to said Web server; and

means for delivering said modified generated HTML or browser language from said Web server to said customer browser for said customer to view.

3 ~~37~~. (currently amended)An media delivery system using a Java servlet engine, a Web server, and a customer browser for generating HTML or browser language, said generated HTML or browser language having a proprietary image, from an original HTML document or browser language embedded with a proprietary tag, comprising:

B2

an HTML parser subsystem adapted to search for a proprietary tag in said original HTML or browser language and to replace said proprietary tag with a standard HTML tag;

a media caching subsystem adapted to determine a status of existing or needs to be created of said proprietary image for said proprietary tag, and to send said standard HTML tag to said media creation subsystem;

a media cache database adapted to store data associated with said proprietary image;

a media creation subsystem adapted to decipher said proprietary tag;

a media processing engine adapted to receive from said media creation subsystem said deciphered proprietary tag and to interpret said tag to generate said proprietary media; and

a media repository adapted to store at least one original media associated with said proprietary media;

<u>wherein said media cache database further comprises:</u>

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37

 B

a script table having a media processing script column, an HTML Equivalent column, a Bandwidth column, a Generated File column, and a Dependency List column; and

a dependency table having a File Name column and a Modification Date column.

~~38~~ 3. (original) The system of Claim ~~37~~ 3, wherein said original HTML or browser language is embedded with a plurality of proprietary tags, said proprietary tags associated with a plurality of proprietary media and associated with a plurality of original media.

39. (original) The system of Claim 37, wherein said stored data associated with said proprietary media further comprises:

a script used to create said proprietary media, said script having an associated date ;

a name of said at least one original media used to create said proprietary media, said name having an associated date; and

said generated HTML or browser language.

~~40~~ 1. (original) The system of Claim ~~37~~ 3, wherein said HTML parser subsystem further comprises:

means for sending said proprietary tag to said media caching subsystem for further processing;

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means for receiving from said media caching subsystem said standard HTML tag;

means for searching for a next proprietary tag to replace said next proprietary tag with a next standard HTML tag; and

means for determining that no more proprietary tags exist in said original HTML document or browser language.

8 ~~41~~. (original) The system of Claim 3 ~~37~~, wherein said media caching subsystem further comprises:

means for determining if said proprietary media has been modified.

6 ~~42~~. (original) The system of Claim 5 ~~39~~, wherein said media caching subsystem further comprises:

means for determining if said associated script data and said associated original media date have been modified.

43. (canceled)

44. (canceled)

9 ~~45~~. (currently amended)A process for creating a media associated with an HTML equivalent tag and associated with a media tag for a system, comprising the steps of:

receiving a request from said system for said HTML equivalent tag;

combining said media tag with bandwidth information;

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determining if a media tag entry associated with said media tag exists in a media tag database;

if said media tag entry exists in said media database,

determining if at least one original asset used to create said media has changed;

if said at least one original asset used to create said media has not changed,

retrieving said HTML equivalent tag from said database; and

return said HTML equivalent tag to said system;

if said at least one original asset used to create said media has changed,

removing said media tag entry from said database;

create said media using said media tag;

storing said media in a media cache;

generating an HTML document referring to said generated media;

placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system;

if said media tag entry does not exist in said media database,

create said media using said media tag;

storing said media in a media cache;

generating HTML or browser language referring to said generated media;

placing said media tag and said HTML equivalent tag in said media database; and

return said HTML equivalent tag to said system.

PAGE 15/15 * RCVD AT 1/14/2004 6:03:02 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:650 474 8401 * DURATION (mm-ss):03-08

Transaction History Date 2004-05-04
Date information retrieved from USPTO Patent Application Information Retrieval (PAIR) system records at www.uspto.gov

Notice of Allowability	Application No.	Applicant(s)
	09/425,326	SAMANIEGO ET AL.
	Examiner	**Art Unit**
	William L. Bashore	2176

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *1/14/2004*.

2. ☒ The allowed claim(s) is/are *35-42, 45, renumbered as 1-5, 7-8, 6, 9, respectively*.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☒ to Paper No./Mail Date *7*.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

SANJIV SHAH
PRIMARY EXAMINER

UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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NOTICE OF ALLOWANCE AND FEE(S) DUE

22862 7590 05/04/2004

GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER
BASHORE, WILLIAM L

ART UNIT	PAPER NUMBER
2176	9

DATE MAILED: 05/04/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

TITLE OF INVENTION: AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$665	$0	$665	08/04/2004

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.

PTOL-85 (Rev. 11/03) Approved for use through 04/30/2004.

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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.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

TITLE OF INVENTION: AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$665	$0	$665	08/04/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
BASHORE, WILLIAM L	2176	715-513000

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

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4b. Payment of Fee(s):

❑ A check in the amount of the fee(s) is enclosed.
❑ Payment by credit card. Form PTO-2038 is attached.
❑ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

22862 7590 05/04/2004

GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER
BASHORE, WILLIAM L

ART UNIT	PAPER NUMBER
2176	

DATE MAILED: 05/04/2004

Determination of Patent Term Extension under 35 U.S.C. 154 (b)
(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) 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.

PTOL-85 (Rev. 11/03) Approved for use through 04/30/2004.

TT MA #10

Glenn Patent Group
3475 Edison Way, Suite L
Menlo Park CA 94025
Tel: 650 474 8400
Fax 650 474 8401
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Express Mail Label EV 189442203 US		Date of Deposit: 8/4/2004			
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Date of Deposit:	8/4/2004	Name of Person Making the Deposit:	Rhonda Dunn	Signature of the Person Making the Deposit:	Rhonda Dunn

In re Application of: Samaniego, *et al.*
Serial No. : 09/425,326
Filed: 21 October 1999

Docket No.: EQUI0001
Art Unit: 2176
Examiner Bashore, W. L.

Title: Automatic Processing and Delivery of Media to Web Servers

DATE: AUGUST 4, 2004

To: United States Patent and Trademark Office
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Alexandria, VA 22313-1450

Enclosed for the above-referenced patent are the following:

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2. Part B – Fee Transmittal (1 sheet);
3. 16 Sheets of Formal Drawings; and
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Rhonda Dunn

#10

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Samaniego, *et al.* Docket No.: EQUI0001

Serial No.: 09/425,326 Art Unit: 2176

Filed: 21 October 1999 Examiner: Bashore, W. L.

Title: Automatic Processing and Delivery of Media to Web Servers

August 4, 2004

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

ISSUE FEE AUTHORIZATION AND TRANSMITTAL FORMAL DRAWINGS

Dear Sir:

Enclosed for the above-referenced patent are the following:

1. Certificate of Express Mail (1 sheet);
2. Part B – Fee Transmittal (1 sheet);
3. 16 Sheets of Formal Drawings; and
4. Return Postcard

The Commissioner is authorized to charge the Issue Fee of $665.00, and any additional fees, or credit any overpayments, to Deposit Account No. 07-1445 (Order No. EQUI0001). A copy is enclosed for this purpose.

Respectfully submitted,

Michael Glenn
Reg. No. 30,176

Customer No. 22862

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Rhonda Dunn (Depositor's name)
Rhonda Dunn (Signature)
August 4, 2004 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/425,326	10/21/1999	CHRISTOPHER SAMANIEGO	EQUI000	9401

TITLE OF INVENTION: AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$665	$0	$665	08/04/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
BASHORE, WILLIAM L	2176	715-513000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

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1 Glenn Patent Group
2 Michael A. Glenn
3

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Equilibrium Technologies Sausalito, California

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☐ Payment by credit card. Form PTO-2038 is attached.
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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) (Date)
Michael A. Glenn, Reg. No. 30,176 8/4/2004

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01 FC:2501 665.00 DA

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09/425,326

6792575

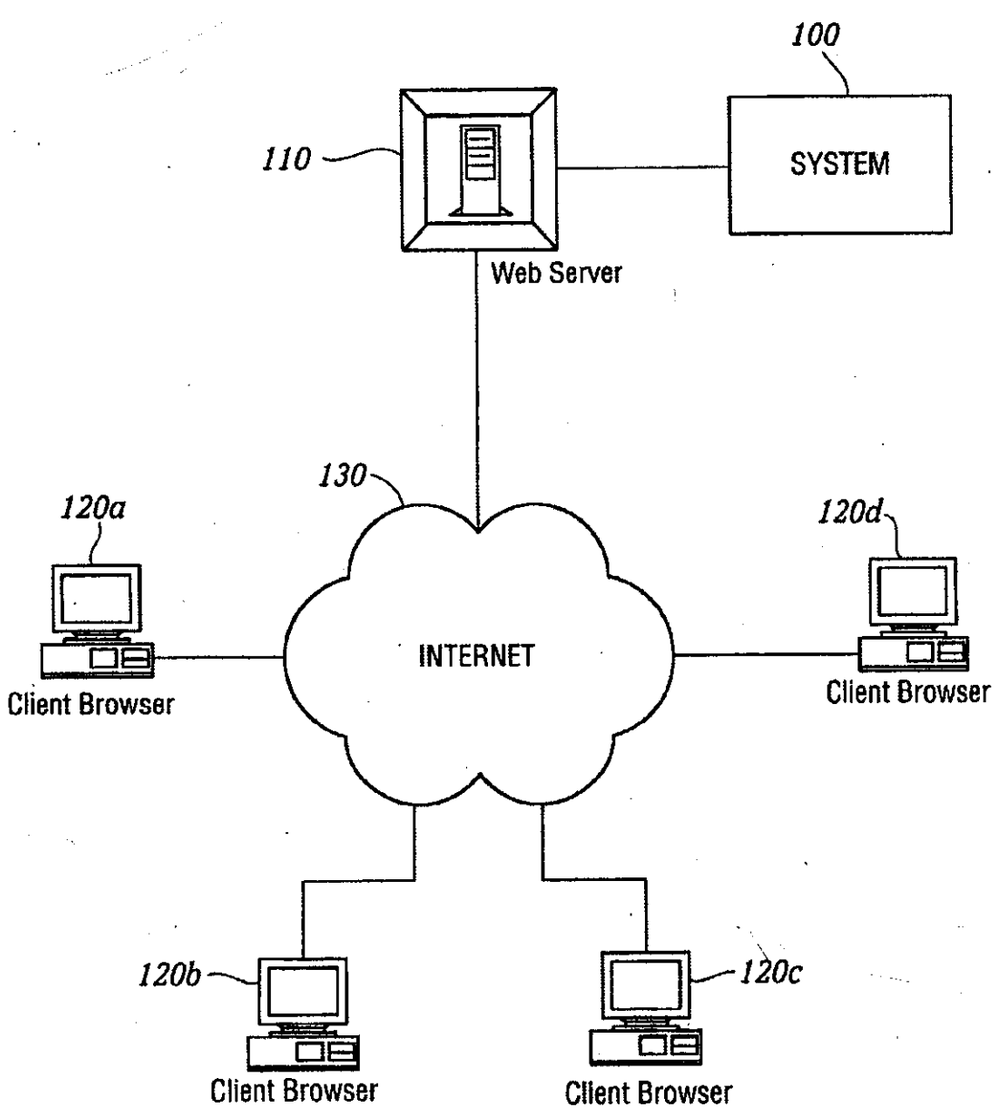

FIG. 1

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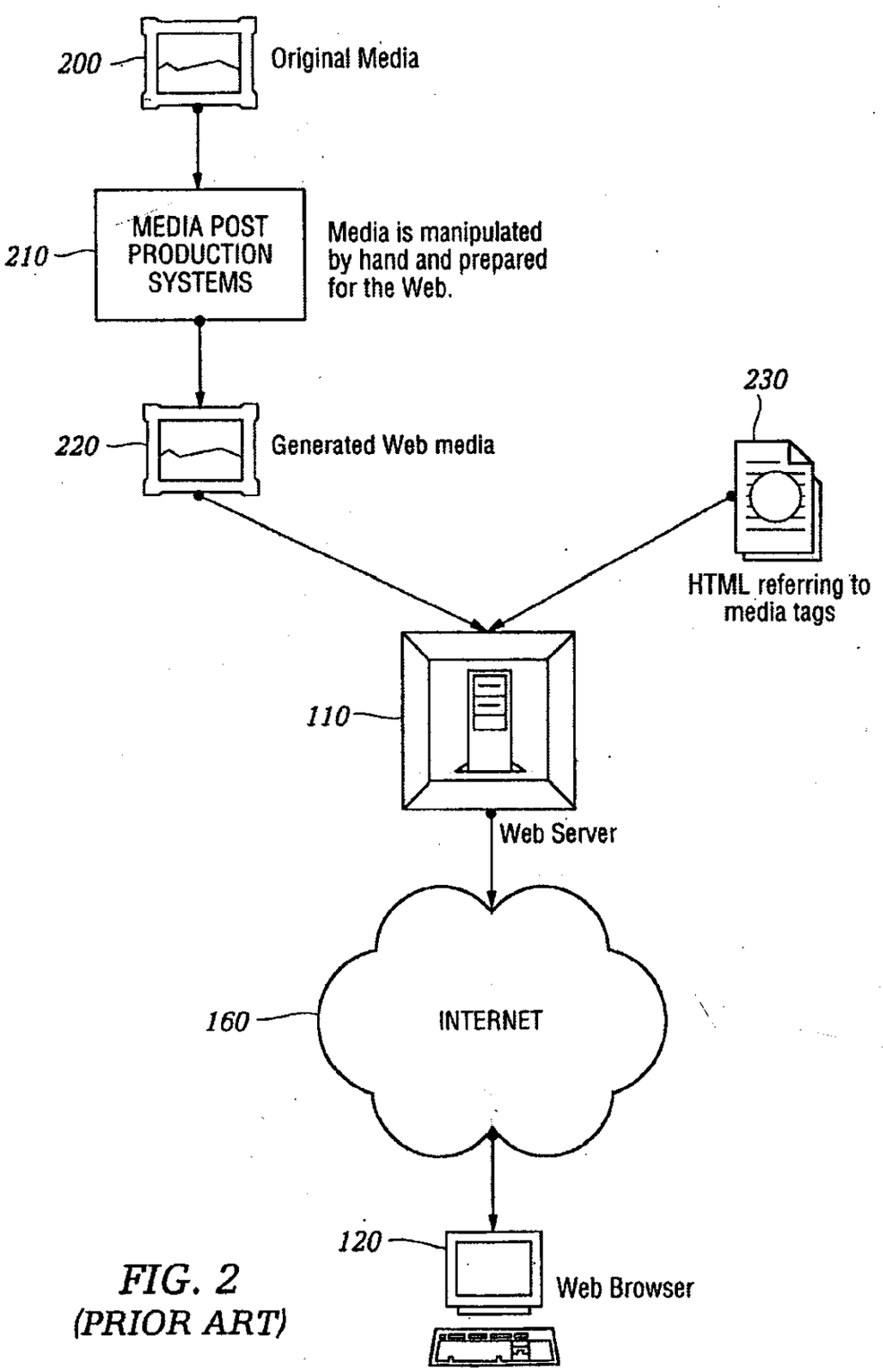

FIG. 2
(PRIOR ART)

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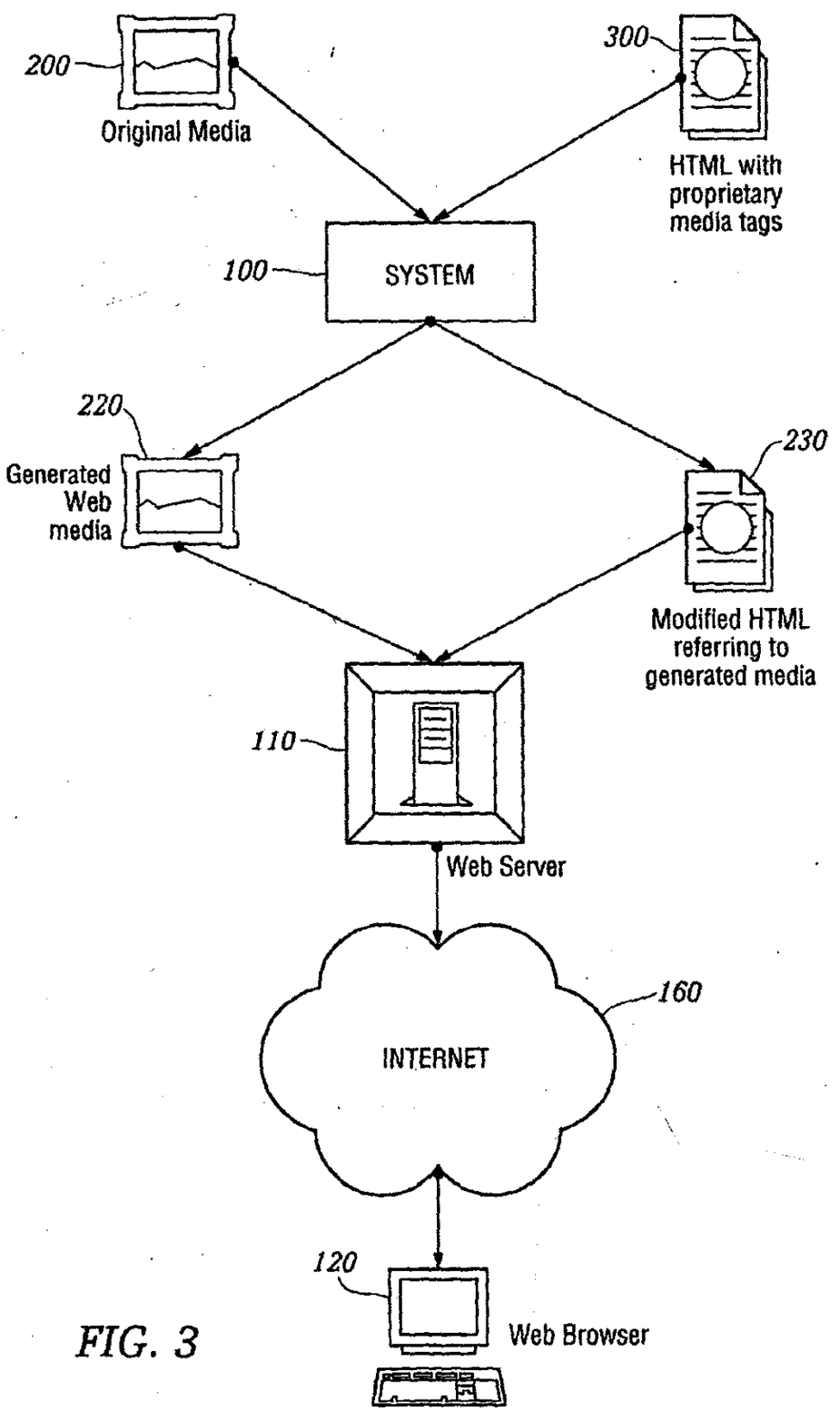

FIG. 3

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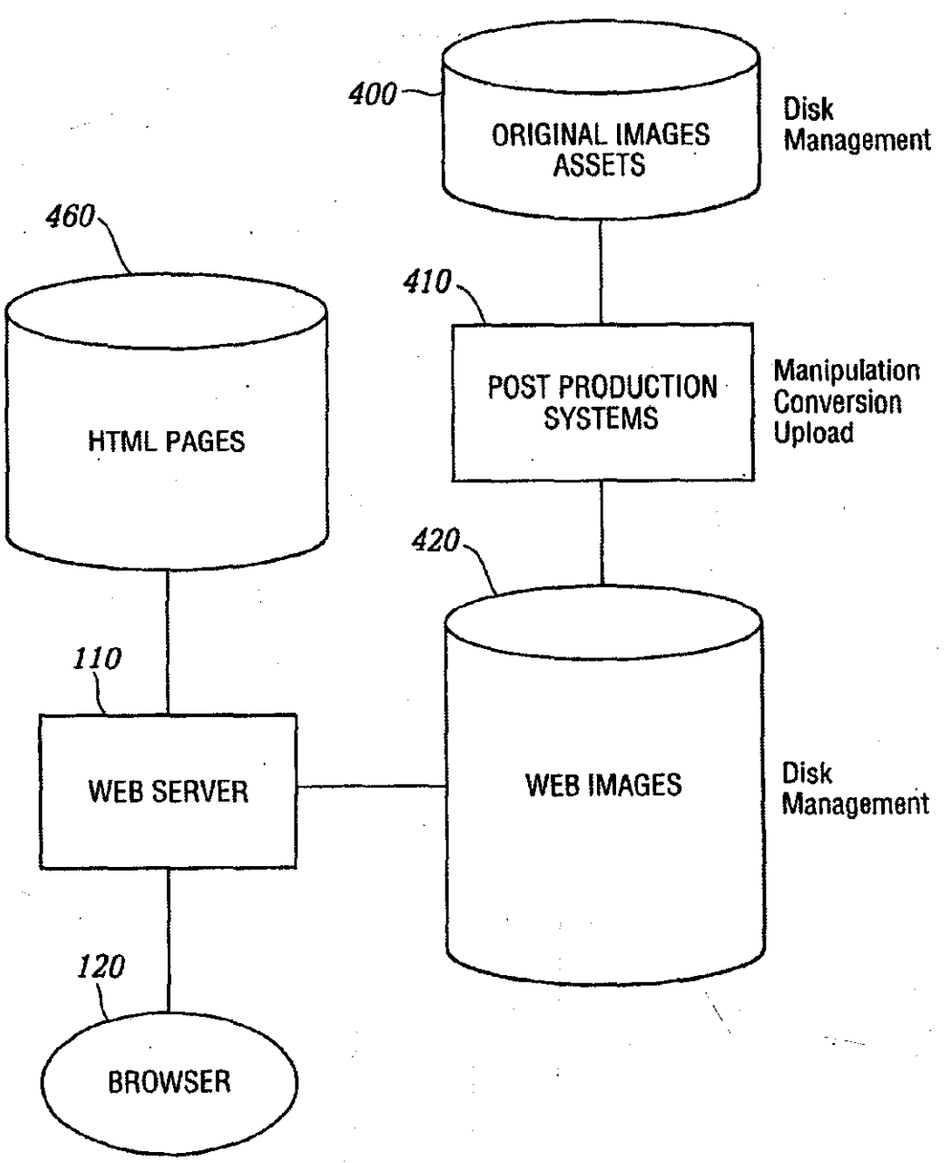

FIG. 4
(PRIOR ART)

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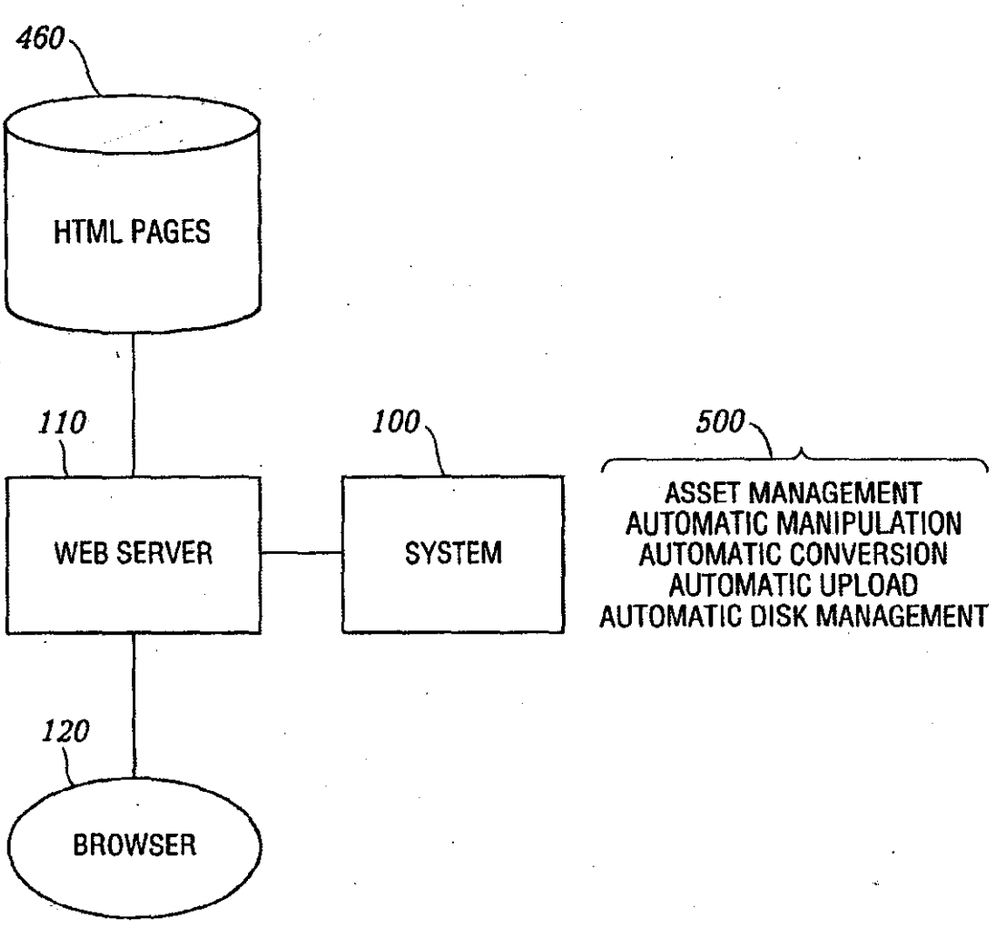

FIG. 5

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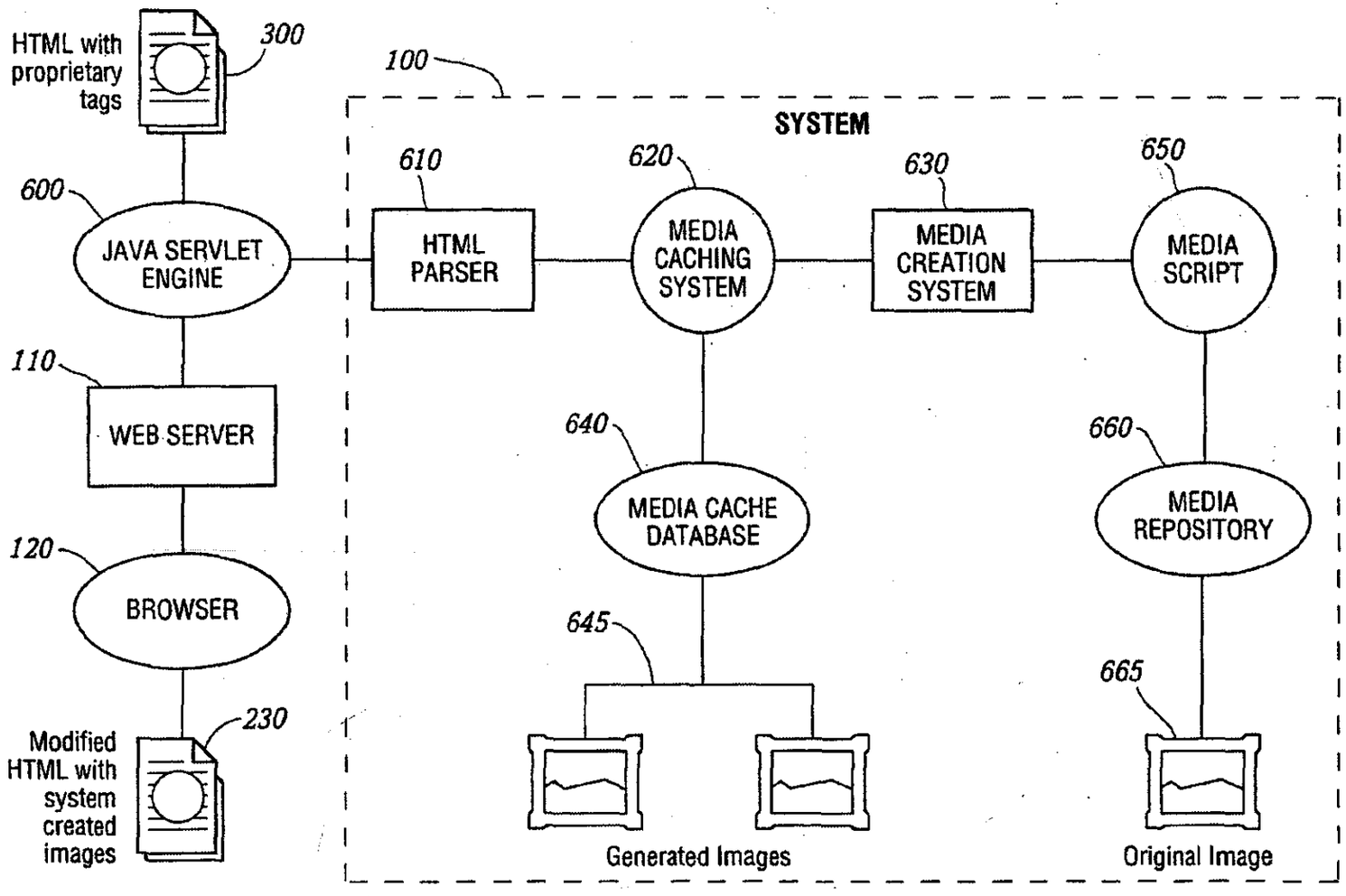

FIG. 6

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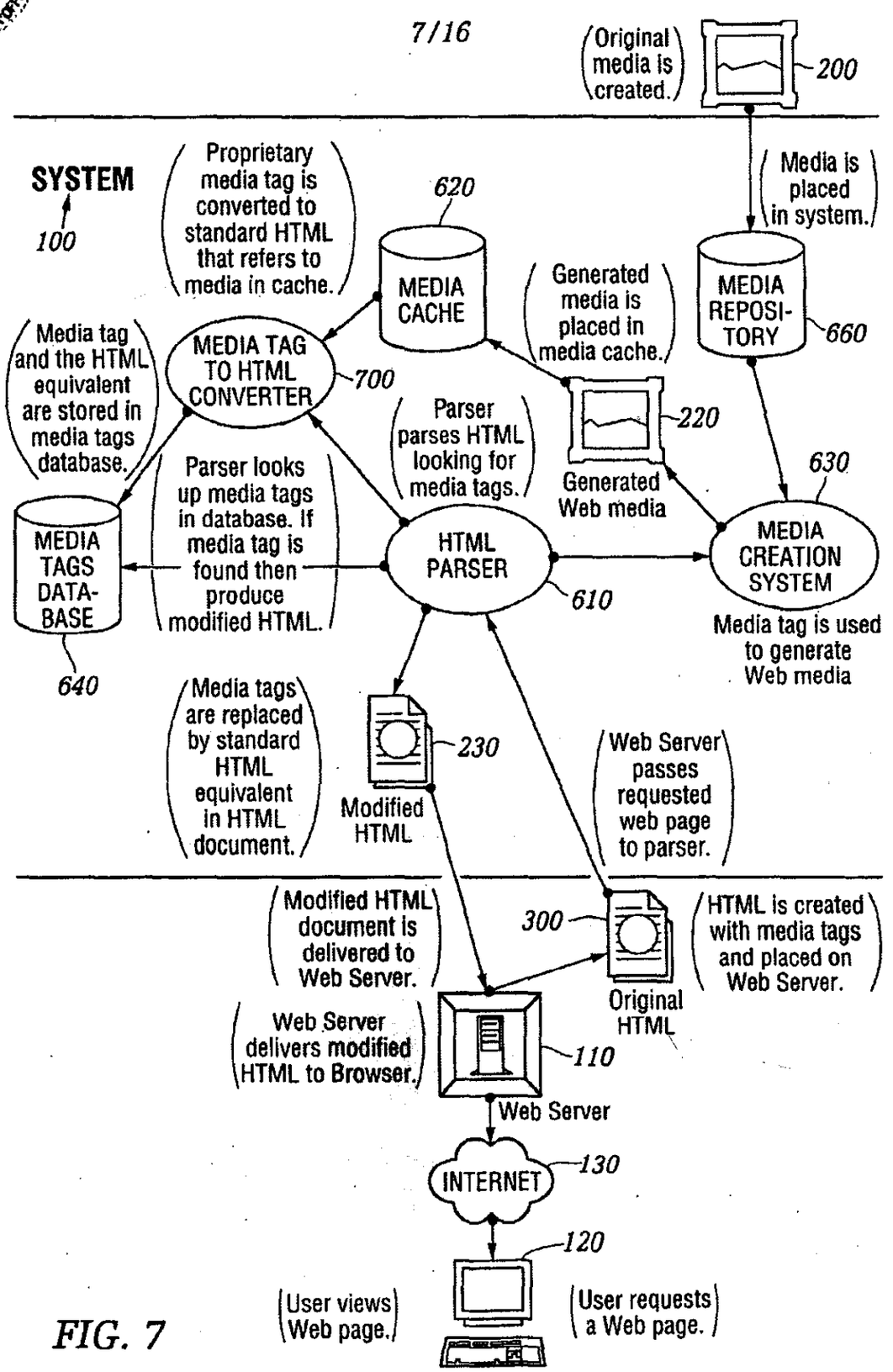

FIG. 7

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AUTHORING FLOWCHART

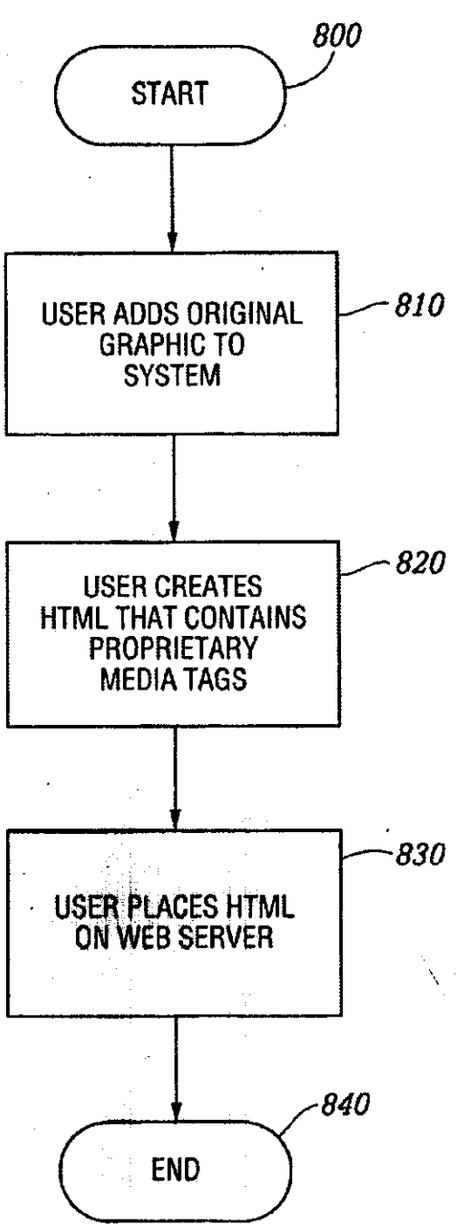

FIG. 8

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HTML PARSING FLOWCHART

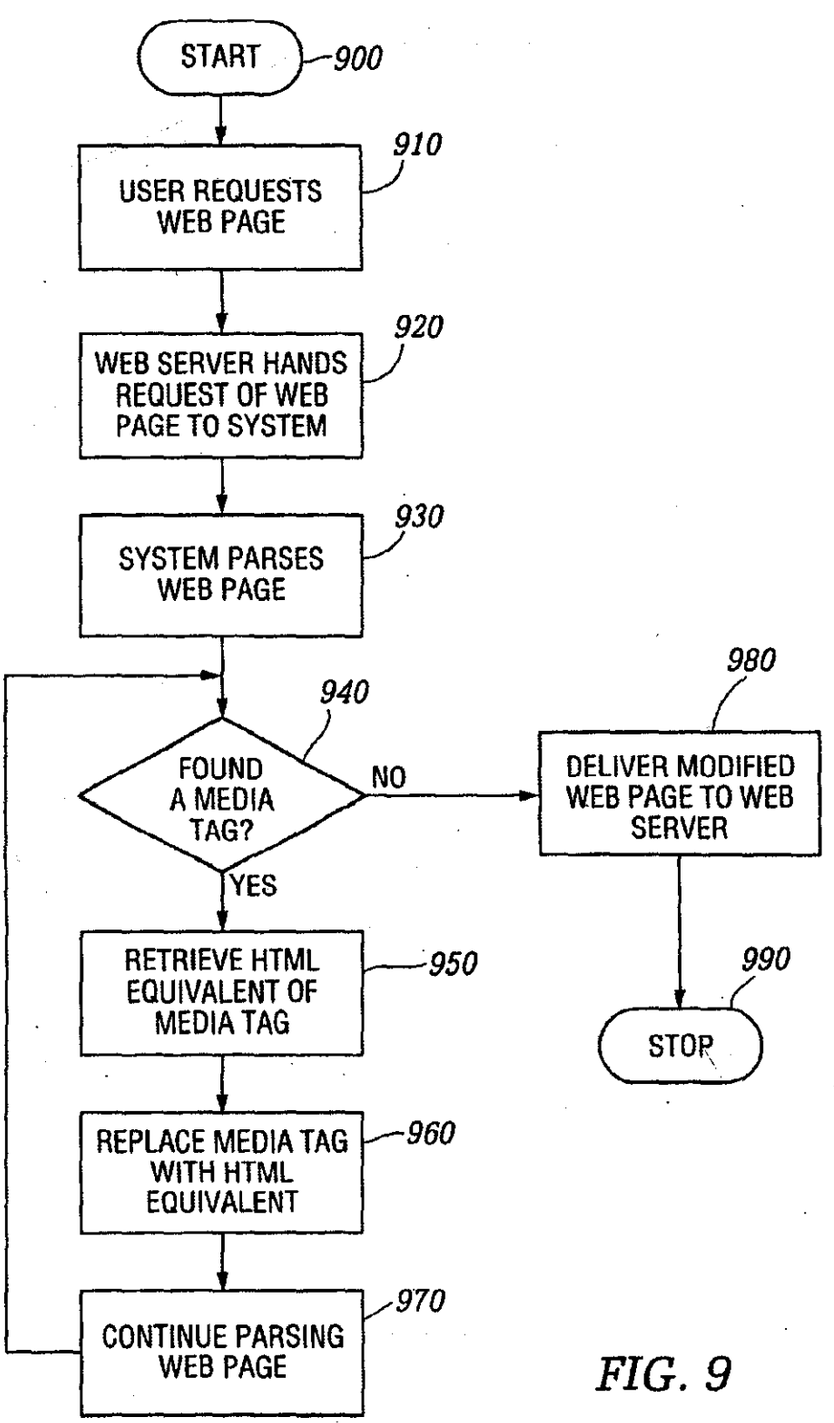

FIG. 9

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MEDIA CREATION FLOWCHART

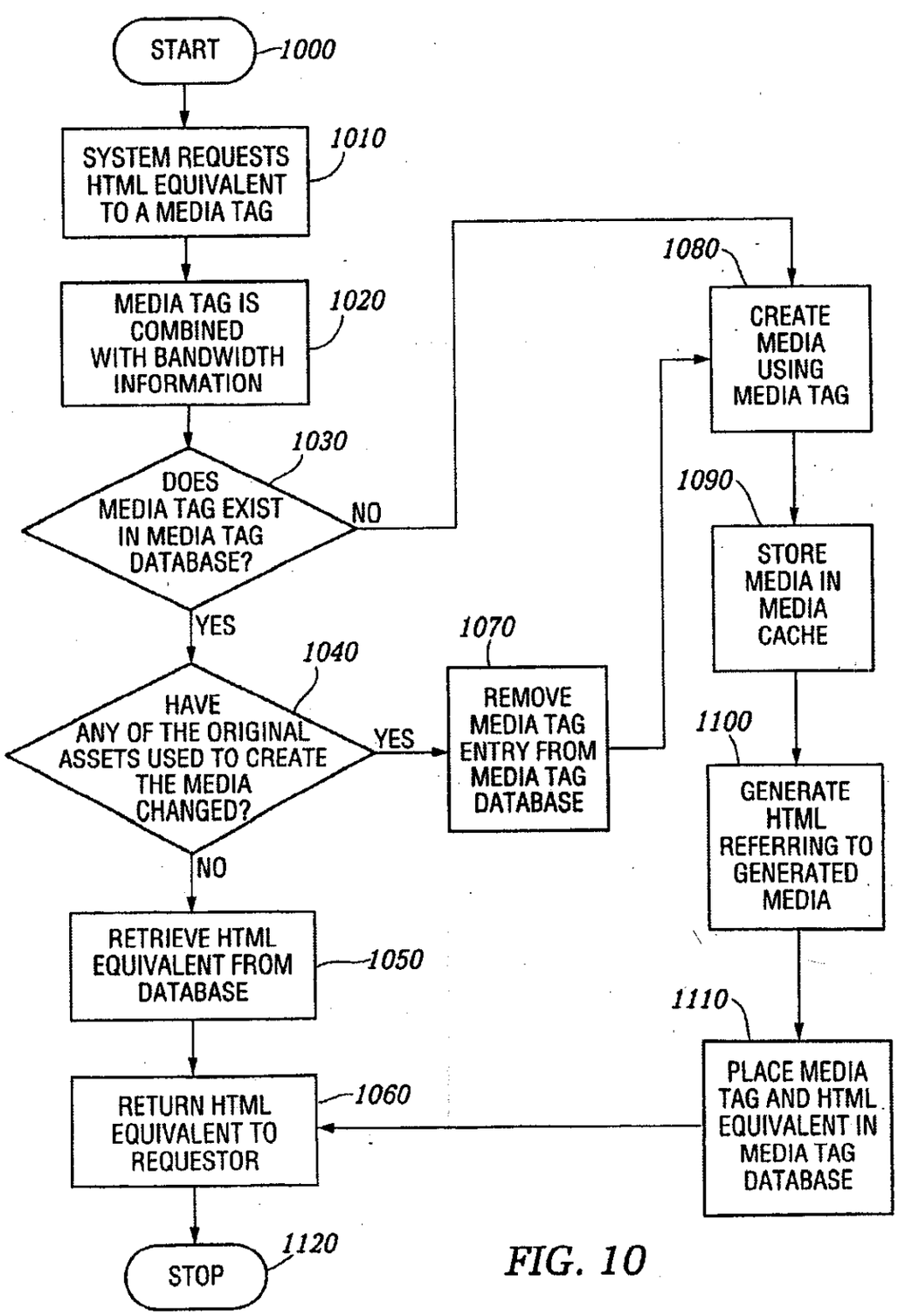

FIG. 10

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Equilibrium Freeride Administration

POWERED BY FREERIDE

Equilibrium Freeride Administration

Clear the Freeride Databse

Check Dependencies

MEDIA CURRENTLY IN THE FREERIDE DATABASE

MediaScript	Bandwidth	Generated File(s)	Dependencies
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

FIG. 11

OIPE JC42
AUG 0 4 2004
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DATABASE DESCRIPTION

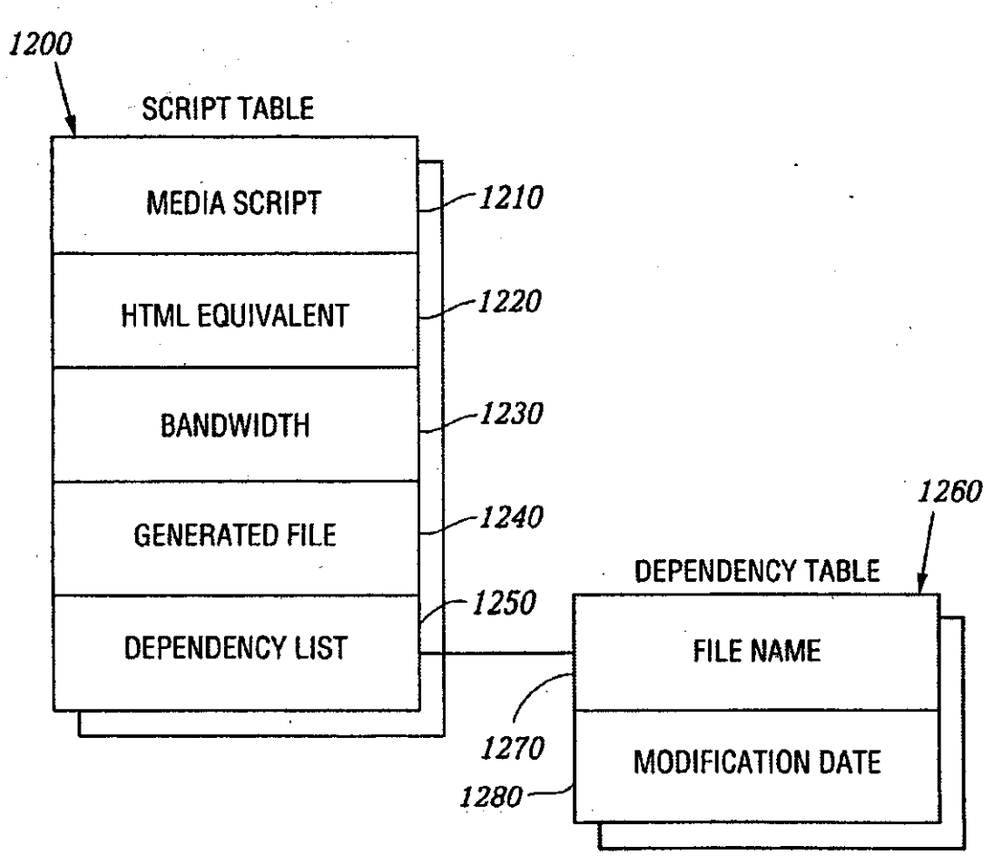

FIG. 12

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ORIGINAL IMAGES

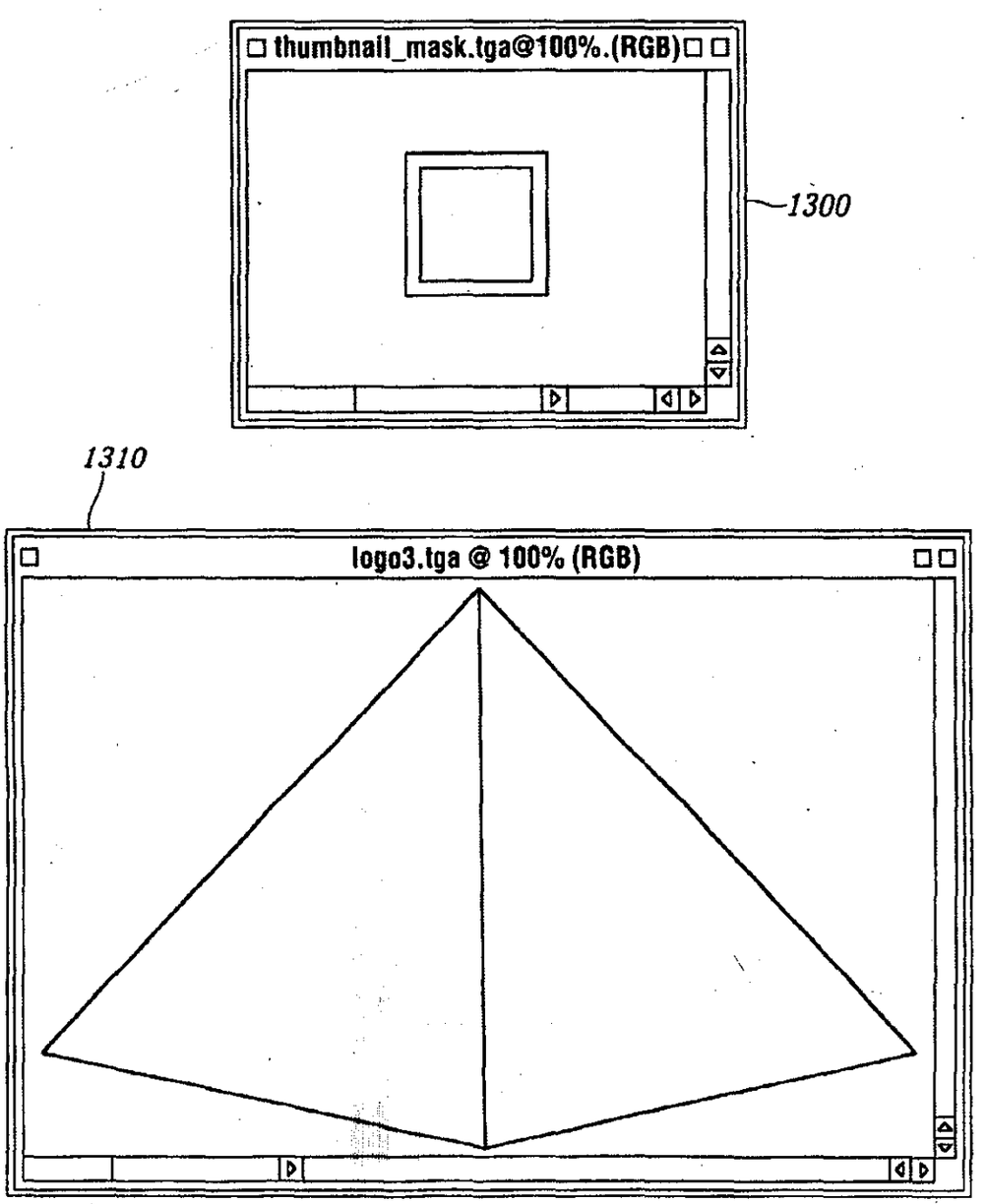

FIG.13

OIPE JC42
AUG 0 4 2004
PATENT & TRADEMARK OFFICE

HTML DOCUMENT WITH PROPRIETARY TAG

1400

image.html

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<html>
<head>
<title>
Title Frame
</title>3
>/head>
<body>
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i.Scale(ys @ 65, constrain @ true, alg @ "smooth"); i.Crop(xs@ 60,ys@60,
padcolor @ Cxtiffff); var i2 = new Media(); i2.Load(name @
thumbnail_mask.tga), i.Composite(source @ i2); i.Scale(xs @ 60, ys@60,alg
@ "smooth"); i.Reduce(); iSave(type @ "gif"), </freeridelmage>
height=60 width=60 border=)><br>
</body>
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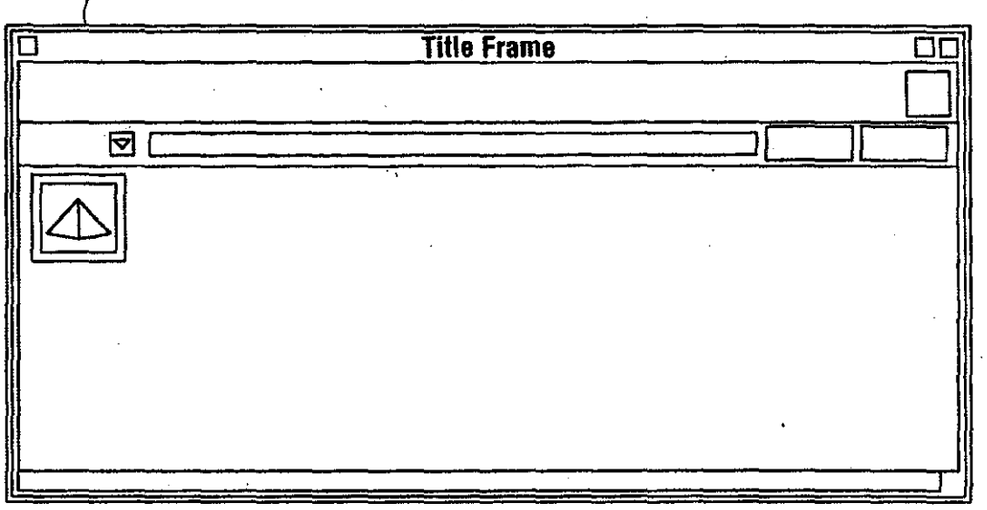
FIG.14

OIPE JC42
AUG 04 2004
PATENT & TRADEMARK OFFICE

1500

HTML DOCUMENT VIEWED IN BROWSER



1510

HTML DOCUMENT SOURCE

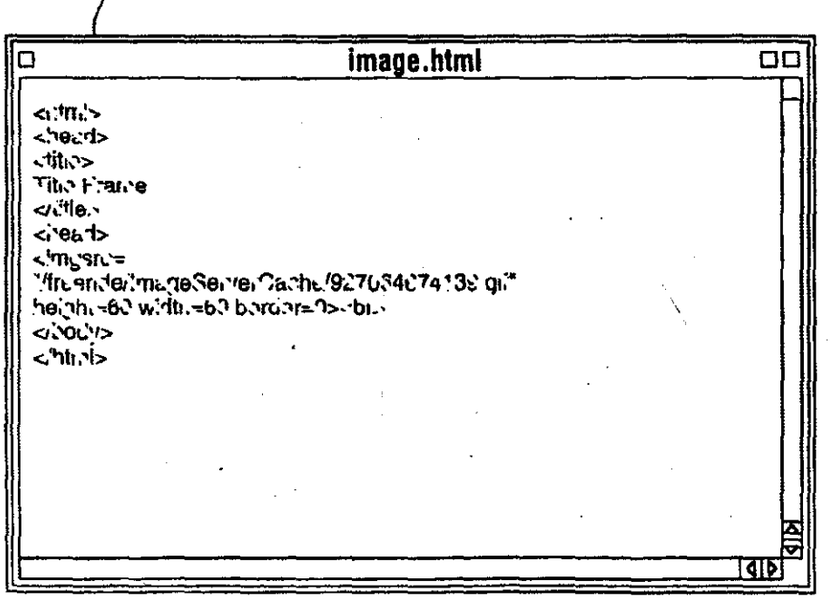


FIG.15

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GENERATED GIF IMAGE

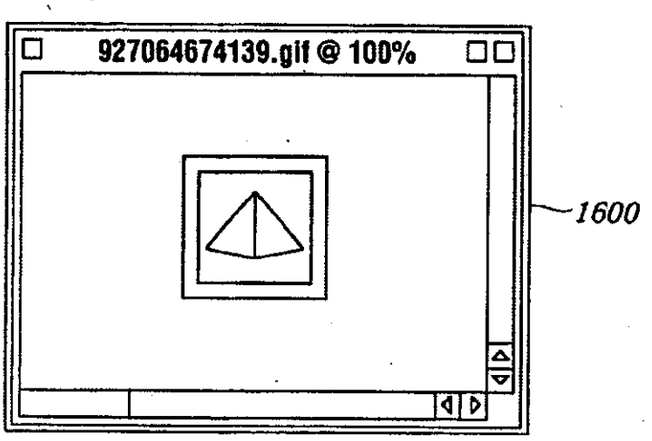

FIG.16

File History Content Report

The following content is missing from the original file history record obtained from the United States Patent and Trademark Office. No additional information is available.

Document Date - 2004-09-14

Document Title - USPTO Grant

This page is not part of the official USPTO record. It has been determined that content identified on this document is missing from the original file history record.

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3837445

17 339435

Application or Docket Number

ATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

CLAIMS AS FILED - PART I

	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY TYPE ☐ RATE	SMALL ENTITY FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY FEE
C FEE				380.00	OR		760.00
L CLAIMS	45 minus 20=	* 25	X$ 9=	225	OR	X$18=	
PENDENT CLAIMS	9 minus 3 =	* 6	X39=	234	OR	X78=	
TIPLE DEPENDENT CLAIM PRESENT			+130=		OR	+260=	
			TOTAL	839	OR	TOTAL	

he difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

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

SMALL ENTITY RATE	SMALL ENTITY ADDITIONAL FEE	OR	OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY ADDITIONAL FEE
X$ 9=		OR	X$18=	
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

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

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

AMENDMENT 3

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

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

Derwent Innovation

Derwent Innovation Patent Export, 2022-08-01 00:53:10 +0000

Search results for: PNS=(US6792575);
Collections searched: DWPI; ARIPO grant; Argentina UM; Argentina app; Armenia grant; Australia UM; Australia app; Australia grant; Austria UM; Austria app; Austria grant; Belarus UM; Belarus grant; Belgium app; Belgium grant; Brazil UM; Brazil app; Brazil grant; Bulgaria UM; Bulgaria app; Bulgaria grant; Canada app; Canada grant; China, Mainland UM; China, Mainland app; China, Mainland grant; Colombia app; Costa Rica UM; Costa Rica app; Croatia UM; Croatia app; Croatia grant; Cuba app; Cuba grant; Czech Republic UM; Czech Republic app; Czech Republic grant; Czechoslovakia grant; Denmark UM; Denmark app; Denmark grant; Estonia UM; Estonia app; Estonia grant; Eurasian (EAPO) grant; Europe (EP) app; Europe (EP) grant; Finland app; Finland grant; France app; France grant; Georgia grant; German Democratic Republic app; German Democratic Republic grant; Germany UM; Germany app; Germany grant; Greece app; Greece grant; Gulf Cooperation Council grant; Hong Kong UM; Hong Kong app; Hong Kong grant; Hungary grant; Iceland grant; India app; India grant; Indonesia UM; Indonesia app; Ireland UM; Ireland app; Ireland grant; Israel grant; Italy grant; Italy grant; Italy grant; Italy grant; Japan UM; Japan app; Japan grant; Korea UM; Korea app; Korea grant; Latvia grant; Lithuania grant; Luxembourgh app; Luxembourgh grant; Malaysia app; Malaysia grant; Mexico app; Mexico grant; Moldova UM; Moldova grant; Monaco grant; Mongolia UM; Mongolia grant; Morocco app; Morocco grant; Netherlands app; Netherlands grant; New Zealand grant; Norway app; Norway grant; OAPI grant; PCT (WO) app; Philippines UM; Philippines app; Philippines grant; Poland UM; Poland grant; Portugal UM; Portugal app; Portugal grant; Romania UM; Romania app; Romania granted; Russia UM; Russia app; Russia grant; Serbia UM; Serbia app; Serbia grant; Singapore app; Singapore grant; Slovakia UM; Slovakia app; Slovakia grant; Slovenia UM; Slovenia grant; South Africa app; Spain UM; Spain app; Spain grant; Sweden app; Sweden grant; Switzerland app; Switzerland grant; Taiwan UM; Taiwan appl; Taiwan grant; Thailand UM; Thailand app; Thailand grant; Tunisia app; Turkey UM; Turkey app; Turkey grant; UK app; UK grant; USSR grant; Ukraine UM; Ukraine grant; United States app; United States grant; Uruguay app; Vietnam UM; Vietnam app; Vietnam grant; Other

Table of Contents

1. US6792575B1 Automated processing and delivery of media to web servers

Family 1/1

1 record(s) per family

Record 1/1 US6792575B1 Automated processing and delivery of media to web servers

Title: Automated processing and delivery of media to web servers

Title - DWPI: Document delivery method through Internet server-based software system, involves generating specified web media from original media by reading and writing various file formats

Priority Number: US1999425326A

Priority Date: 1999-10-21

Application Number: US1999425326A

Application Date: 1999-10-21

Publication Date: 2004-09-14

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
G06F001727	G	G06	G06F	G06F0017	G06F001727
G06F001730	G	G06	G06F	G06F0017	G06F001730

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
G06F001727	G	G06	G06F	G06F0017	G06F001727
G06F001730	G	G06	G06F	G06F0017	G06F001730

Assignee/Applicant: Equilibrium Technologies,Sausalito,CA

JP F Terms:

JP FI Codes:

Assignee - Original: Equilibrium Technologies

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	**G06F 16/9577**	-	20190101	EP; US
Current	G06F 16/40	-	20190101	US

Current Current	G06F 16/44 G06F 16/48		20190101 20190101	US US
Current Current Current	G06F 40/103 G06F 40/134 G06F 40/151	-	20200101 20200101 20200101	US US US
Current	H04L 67/02	-	20130101	US
Original Original Original Original	**G06F 16/9577** G06F 16/40 G06F 16/44 G06F 16/48	-	20190101 20190101 20190101 20190101	US US US US
Original Original Original	G06F 40/103 G06F 40/134 G06F 40/151	-	20200101 20200101 20200101	US US US
Original	H04L 67/02	-	20130101	US

ECLA: G06F001730W9V | G06F001727

Abstract:

A system using as input original media, an HTML document or browser language having proprietary tags, Web server traffic, and Web-client capabilities to generate an optimized Web media and HTML to refer to the generate media, and to automatically deploy the HTML and media to the Web server is provided. A Web authoring process is provided for facilitating creation of the media, assignment of a unique name to the media, and modification of the HTML document or browser language to contain a proprietary tag. Viewing capability is provided by the Web server passing the HTML or browser language, client browser capabilities, and current server traffic to the system, which parses the HTML or browser language searching for the proprietary tags. If a proprietary tag is found, the tag is processed to generate the Web media. Information is stored in the system database in case identical proprietary tags are processed.

Language of Publication: EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2022-04-07	AS	-
Description: ASSIGNMENT LIT-US CHISUM 22-A LLC, NEW YORK SECURITY INTEREST; ASSIGNOR:EQUIL IP HOLDINGS, LLC; REEL/FRAME:059536/0726 2022-03-24		
2021-12-23	AS	-
Description: ASSIGNMENT EQUIL IP HOLDINGS LLC, CALIFORNIA ASSIGNMENT OF ASSIGNORS INTEREST;		

ASSIGNOR:AUTOMATED MEDIA PROCESSING SOLUTIONS, INC.; REEL/FRAME:058470/0339 2021-12-17		
2021-12-03	AS	-
Description: ASSIGNMENT AUTOMATED MEDIA PROCESSING SOLUTIONS, INC., CALIFORNIA RELEASE BY SECURED PARTY; ASSIGNOR:REMINGTON PARTNERS, INC.; REEL/FRAME:058302/0865 2021-11-17		
2016-03-23	SULP	+
Description: SURCHARGE FOR LATE PAYMENT FEE PAYMENT YEAR 11		
2016-03-23	FPAY	+
Description: FEE PAYMENT FEE PAYMENT YEAR 12		
2012-02-15	FPAY	+
Description: FEE PAYMENT FEE PAYMENT YEAR 8		
2008-02-21	FPAY	+
Description: FEE PAYMENT FEE PAYMENT YEAR 4		
2005-05-27	AS	-
Description: ASSIGNMENT REMINGTON PARTNERS, INC., CALIFORNIA SECURITY AGREEMENT; ASSIGNOR:AUTOMATED MEDIA PROCESSING SOLUTIONS, INC. DBA EQUILIBRIUM, "AMPS, INC."; REEL/FRAME:016602/0036 2005-05-10		
2004-12-02	AS	-
Description: ASSIGNMENT AUTOMATED MEDIA PROCESSING SOLUTIONS DBA EQUILIBRI CORRECTIVE ASSIGNMENT TO CORRECT THE CONVEYING PARTY PREVIOUSLY RECORDED ON REEL 015377 FRAME 0392; ASSIGNOR:EQUILIBRIUM TECHNOLOGIES; REEL/FRAME:015409/0317 2004-11-01		
2004-11-19	AS	-
Description: ASSIGNMENT AUTOMATED MEDIA PROCESSING SOLUTIONS, INC. DBA EQU ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BARGER, SEAN B.; REEL/FRAME:015377/0392 2004-11-01		
2004-08-27	STCF	-
Description: INFORMATION ON STATUS: PATENT GRANT PATENTED CASE		
2003-12-17	AS	-
Description: ASSIGNMENT BARGER-GREAT SOUTH VENTURES, LLC, CALIFORNIA ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CMGI, INC.; REEL/FRAME:014204/0471 2003-12-01		

1999-12-27	AS	-
Description: ASSIGNMENT CMGI, INC., MASSACHUSETTS COLLATERAL ASSIGNMENT; ASSIGNOR:EQUILIBRIUM; REEL/FRAME:010455/0069 1999-12-22		
1999-10-21	AS	-
Description: ASSIGNMENT EQUILIBRIUM, CALIFORNIA ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SAMANIEGO, CHRISTOPHER; OFFNER, NELSON H. "ROCKY"; THEWLIS, ADRIAN D.; AND OTHERS; REEL/FRAME:010341/0275 1999-10-19		

Post-Issuance (US):

Reassignment (US) Table:

Assignee	Assignor	Date Signed	Reel/Frame	Date
LIT-US CHISUM 22-A LLC,NEW YORK,NY,US	EQUIL IP HOLDINGS, LLC	2022-03-24	059536/0726	2022-04-07
Conveyance: SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: ERIC HYLA 55 HUDSON YARDS NEW YORK, NY 10001-2163				
EQUIL IP HOLDINGS LLC,CORTE MADERA,CA,US	AUTOMATED MEDIA PROCESSING SOLUTIONS, INC.	2021-12-17	058470/0339	2021-12-23
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: PERKINS COIE LLP PO BOX 1247 SEATTLE, WA 98111-1247				
AUTOMATED MEDIA PROCESSING SOLUTIONS INC.,CORTE MADERA,CA,US	REMINGTON PARTNERS, INC.	2021-11-17	058302/0865	2021-12-03
Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).				
Corresponent: PERKINS COIE LLP PO BOX 1247 SEATTLE, WA 98111-1247				
REMINGTON PARTNERS INC.,KENTFIELD,CA,US	AUTOMATED MEDIA PROCESSING SOLUTIONS, INC. DBA EQUILIBRIUM, "AMPS, INC."	2005-05-10	016602/0036	2005-05-27
Conveyance: SECURITY AGREEMENT				
Corresponent: THOMAS W. COOK 3030 BRIDGEWAY, SUITE 425-430 SAUSALITO, CALIFORNIA 94965				

AUTOMATED MEDIA PROCESSING SOLUTIONS DBA EQUILIBRIUM \"AMPS INC\".,MILL VALLEY,CA,US	EQUILIBRIUM TECHNOLOGIES	2004-11-01	015409/0317	2004-12-02
Conveyance: CORRECTIVE ASSIGNMENT TO CORRECT THE CONVEYING PARTY PREVIOUSLY RECORDED ON REEL 015377 FRAME 0392. ASSIGNOR(S) HEREBY CONFIRMS THE AUTOMATIC PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS.				
Corresponent: GLENN PATENT GROUP 3475 EDISON WAY, SUITE L MENLO PARK, CA 94025				
AUTOMATED MEDIA PROCESSING SOLUTIONS INC. DBA EQUILIBRIUM AMPS INC.,MILL VALLEY,CA,US	BARGER, SEAN B.	2004-11-01	015377/0392	2004-11-19
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: GLENN PATENT GROUP 3475 EDISON WAY, SUITE L MENLO PARK, CA 94025				
BARGER-GREAT SOUTH VENTURES LLC,MILL VALLEY,CA,US	CMGI, INC.	2003-12-01	014204/0471	2003-12-17
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: SEAN BARGER 222 MARGUERITE AVENUE MILL VALLEY, CALIFORNIA 94941				
CMGI INC.,ANDOVER,MA,US	EQUILIBRIUM	1999-12-22	010455/0069	1999-12-27
Conveyance: COLLATERAL ASSIGNMENT				
Corresponent: HALE AND DORR LLP PHILIP GORDON 60 STATE STREET BOSTON, MASSACHUSETTS 02109				
EQUILIBRIUM,SAUSALITO, CA,US	SAMANIEGO, CHRISTOPHER	1999-10-19	010341/0275	1999-10-21
	OFFNER, NELSON H. "ROCKY"	1999-10-19		
	THEWLIS, ADRIAN D.	1999-10-19		
	BOYD, DAVID R.	1999-10-19		
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: MICHAEL A. GLENN 125 LAKE ROAD PORTOLA VALLEY, CA 94028				

Maintenance Status (US):

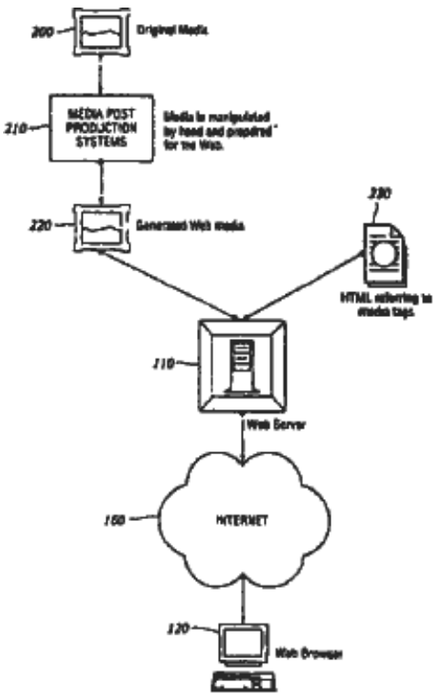
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Priority Number - DWPI: US1999425326A
Priority Date - DWPI: 1999-10-21
Assignee - Current US: EQUIL IP HOLDINGS LLC

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AUTOMATED PROCESSING AND DELIVERY OF MEDIA TO WEB SERVERS

PATENT #	APPLICATION #	FILING DATE	ISSUE DATE
6792575	09425326	10/21/1999	09/14/2004

Payment Window Status

No maintenance fees are due.

WINDOW	STATUS	FEES
11.5 Year	Closed	Paid

Window	First Day to Pay	Surcharge Starts	Last Day to Pay	Status	Fees
3.5 Year	09/14/2007	03/15/2008	09/15/2008	Closed	Paid
7.5 Year	09/14/2011	03/15/2012	09/14/2012	Closed	Paid
11.5 Year	09/14/2015	03/15/2016	09/14/2016	Closed	Paid

Patent Holder Information

Customer # 22862

Entity Status SMALL

Phone Number 2065838888

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Seattle, WA 98111-1247
UNITED STATES