```
        ~NAL();
        int Listen(char *strHostName, int iPort, ...);
        int Accept(...);
        int Connect(char *strHostName, int iPort, ...);
        int AcceptClients(char *strHostName, int iPort, ...);
        int GetImage(char *strHostName, int iPort, char *strURL, ...);
        int GetURL(char *strHostName, int iPort, char *strURL, ...);
        int SendRequest(...);
        int ReceiveReply(...);
        ...
    };
```

Listen(...)	Creates a listening port.
Accept(...)	Accepts any client requesting a connect.
Connect(...)	Connects to the specified host and port number. Usually called by the GetImage() or GetURL()
GetImage(...)	Connects to the ContentProvider and requests the image specified by the URL. This is responsible for building the appropriate request header etc
GetURL(...)	Connects to the ContentProvider and requests the page specified by the URL. This is responsible for building the appropriate request header etc.
SendRequest(...)	Sends a formatted message to the compute server. The format of the message is shown in the following section.
ReceiveReply(...)	Receives a formatted message that is a reply to the message sent earlier.

```
Service Plugin
The service sections describe the various servers available
for the MM. Each service server is an instance of this
object.
```


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```
class ServPlugin{
private:
        char *strId;
        int  iPort;
        char *strHostName;
        ...
public:
        ServPlugin(NAL *pNAL, char *strId, char *strHostName, int iPort, ...);
        ~ServPlugin();
        int Request(char *strSrcPath, char *strDestPath, ...);
        ...
};
```

Request(...)	This initiates the request through the NAL. NAL sends the formatted message to the appropriate Compute Server.

Object Switch

The object switch interfaces the MFM and the service plugins. The object switch mostly implements the rules specified in the action section of the m-script, as instructed by the MFM.

```
class ObjSw{
private:
        MFM *pMFM;
        GAC *pGAC;
        ServPlugin *aSP; //array of service plugins
        ActionList *alAction; //linked list of actions
        –
public:
```


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```
        ObjSw(MFM *pMFM, GAC *pGAC, _);
        ~ObjSw();
        int AddServicePlugin(ServPlugin *pSP, _);
        int AddAction(char *strId, char *strCond, char *strProcess, _);
        int ProcessImage(_);
        _
};
```

AddServicePlugin(_)	This is invoked by the MFM during configuration phase. This adds the service plugin to its internal list.
AddAction(_)	This is also invoked by the MFM during the configuration phase. This adds the actions specified in the m-Script
ProcessImage(_)	Invoked by the MFM, this executes the actions in the specified order.

```
Compute Server
The compute server executes as a separate processor or on a
different machine itself.  It can be implemented as an
object as well.

class CompServ{
private:
        int iPort;
        char *strHostName;
        ...
public:
        CompServ();
        ~CompServ();
        int ReceiveRequest(char *strSrcPath, char *strDestPath, ...);
        int ProcessRequest(...);
        int Reply(...);
```


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...

};

ReceiveRequest(...)	This receives the formatted message.
ProcessRequest(...)	This processes the request. The user can extend the compute server by adding capabilities to this method.
Reply(...)	Sends the reply.

The compute server can also use the NAL to send and receive messages.

Fig. 6 is an object interaction diagram showing the order of creation of the objects/components of the manipulator 100 and the order in which the m-script is processed or read. Of note is the fact that the object switch 216 is called after service plugins 218. This order ensures that the services are all declared. AddAction takes the pointer to those service plugins, and AddServicePlugin identifies the compute server executing the plugin, its host name, and its port. ObjSw ensures the GAC 220 may be updated by the object switch with the results of the service, once executed.

Fig. 7 illustrates another embodiment of the inventive media manipulator 100. The media manipulator described in the previous sections was used as an intermediate processor between the client 106, 116 and the content provider server 104. In this alternative embodiment, an additional, stripped down tunneler version of the manipulator 100' can be used to interact between the client 106, 116 and the media manipulator 100 as described previously. These two instances of the manipulator 100, 100' can now perform in unison to further enhance the user experience.

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The tunneler media manipulator 100' and the media manipulator 100 exchange a compressed format suitable for the transmission over a low-bandwidth connection, while the tunneler 100' and the browser(client) exchange information in the client's native format. Apart from these, the client 106, 116 can be inside a firewall f and still use the services of a main media manipulator 100, which may be outside the firewall f. The tunneler 100' can also be used to set various options such as compression quality, specific to the client's need. These options are forwarded to the main media manipulator 100 along with the client's request. The main media manipulator 100 can categorically act on both the tunneler's and client's request.

Apart from compressing images, the tunneler 100' and main media manipulator 100 combination can be used to compress the HTML page itself. The HTML page is a media, and if the service is available to compress it, the m-script can be modified appropriately to send the page to the text-compress-plugin before sending towards the client. The tunneler can intercept this and decompress the page.

The tunneler 100' has following components of the media manipulator: 1) media flow manager 210, 2) media parser 212, 3) object switch 216, 4) network access layer 214, and 5) service plugin 218. It does not the global access cache 220. The service plugin in the tunneler 100' is the compliment of what is used in the media manipulator to decompress the images.

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While this invention has been particularly shown and described with references to preferred embodiments thereof, it will be understood by those skilled in the art that various changes in form and detail may be made therein without departing from the spirit and scope of the invention as defined by the appended claims.

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CLAIMS

What is claimed is:

1. A middle-ware computing system comprising:

a network access system that supports communications with media resources and client computers; and

a media manipulation system that operates on media objects received from the media resources via the network access system prior to forwarding the media objects to the client computers.

2. The computing system described in Claim 1, wherein the media manipulation system comprises:

a parser that identifies different media types within the media objects; and

service devices that operate on the media types.

3. The computing system described in Claim 2, wherein the parser searches for images in the media objects and service devices include an image compressor for performing data compression on the images.

4. The computing system described in any of Claims 2-3, wherein the parser searches for executable files in the media objects and service devices include a virus scanner that searches for computer viruses in the files.

5. The computing system described in any of Claims 2-4, wherein the parser searches for images in the media objects and service devices include a pornography detector for assessing a probability that the images are pornographic.

6. The computing system described in any of Claims 2-5, wherein the parser searches for data files in the media objects and service devices include an format converter for changing a format of the data files.

7. The computing system described in any of Claims 2-6, wherein the media manipulation system further comprises an object switch that passes the media types to the service devices to determine operations performed on the different media types.

8. The computing system described in any of Claims 2-7, wherein the media manipulation system further comprises a media flow manager that reassembles the media objects for forwarding to the clients after the manipulation of the media types.

9. The computing system described in Claim 8, further comprising a cache that stores media objects, the media flow manager receiving requests for media objects and checking for the presence of the media objects in the cache to preclude obtaining the objects from the media resources.

10. A middle-ware computing system comprising:

a network access system that supports communications with media resources to obtain media objects from client computers;

a parser that identifies different media types within the media objects;

service devices that manipulate the media types;

an object switch that passes the media types to the service devices to determine operations performed on the different media types; and

a media flow manager that reassembles the media objects for forwarding to the clients after the manipulation of the media types.

11. The computing system described in Claim 10, further comprising a cache that stores media objects, the media flow manager receiving requests for media objects and checking for the presence of the media objects in the cache to preclude obtaining the objects from the media resources.

12. A method for facilitating transmission of media objects between media resources and client computers, the method comprising:

receiving requests for media objects from the client computers to the media resources;

obtaining the media objects;

manipulating the media objects;

forwarding the manipulated media objects to the client computers.

13. The method described in Claim 12, wherein manipulating the media objects comprises:

identifying different media types within the media objects; and

performing separate operations on the different media types.

14. The method described in Claim 13, wherein the step of identifying different media types comprises searching for images in the media objects and the step of performing operations comprises data compressing the images.

15. The method described in any of Claims 13-14, wherein the step of identifying different media types comprises searching for executable files in the media objects and the step of performing operations comprises scanning the files for computer viruses.

16. The method described in any of Claims 13-15, wherein the step of identifying different media types comprises searching for images in the media objects and the step of performing operations comprises assessing a probability that the images are pornographic.

17. The method described in any of Claims 13-16, wherein the step of identifying different media types comprises searching for data files in the media objects and the step of performing operations changing a format of the data files.

18. The method described in any of Claims 13-17, further comprising reassembling the media objects for forwarding to the clients after the manipulation of the media types.

19. The method described in any of Claims 13-18, further comprising routing the media types to form successive operations on the media types.

20. The method described in any of Claims 13-19, further comprising caching media objects that have been received from the media resources and later obtaining the media objects from the cache.

21. The method described in Claim 20, wherein the step of obtaining the media objects comprises requesting the media objects from the media resources while checking for the objects in a cache; and obtaining the media objects from the cache if present.

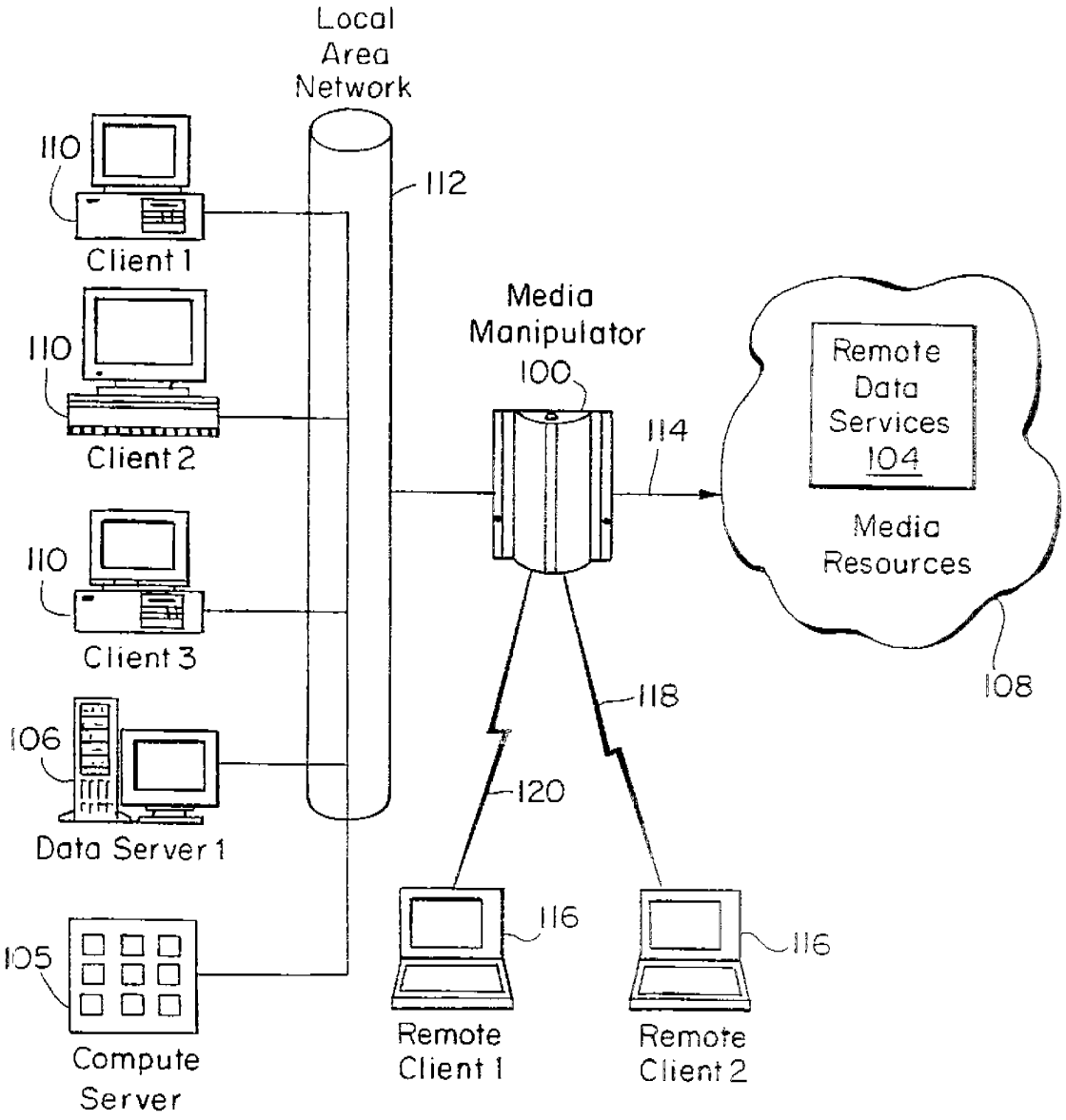


FIG. 1

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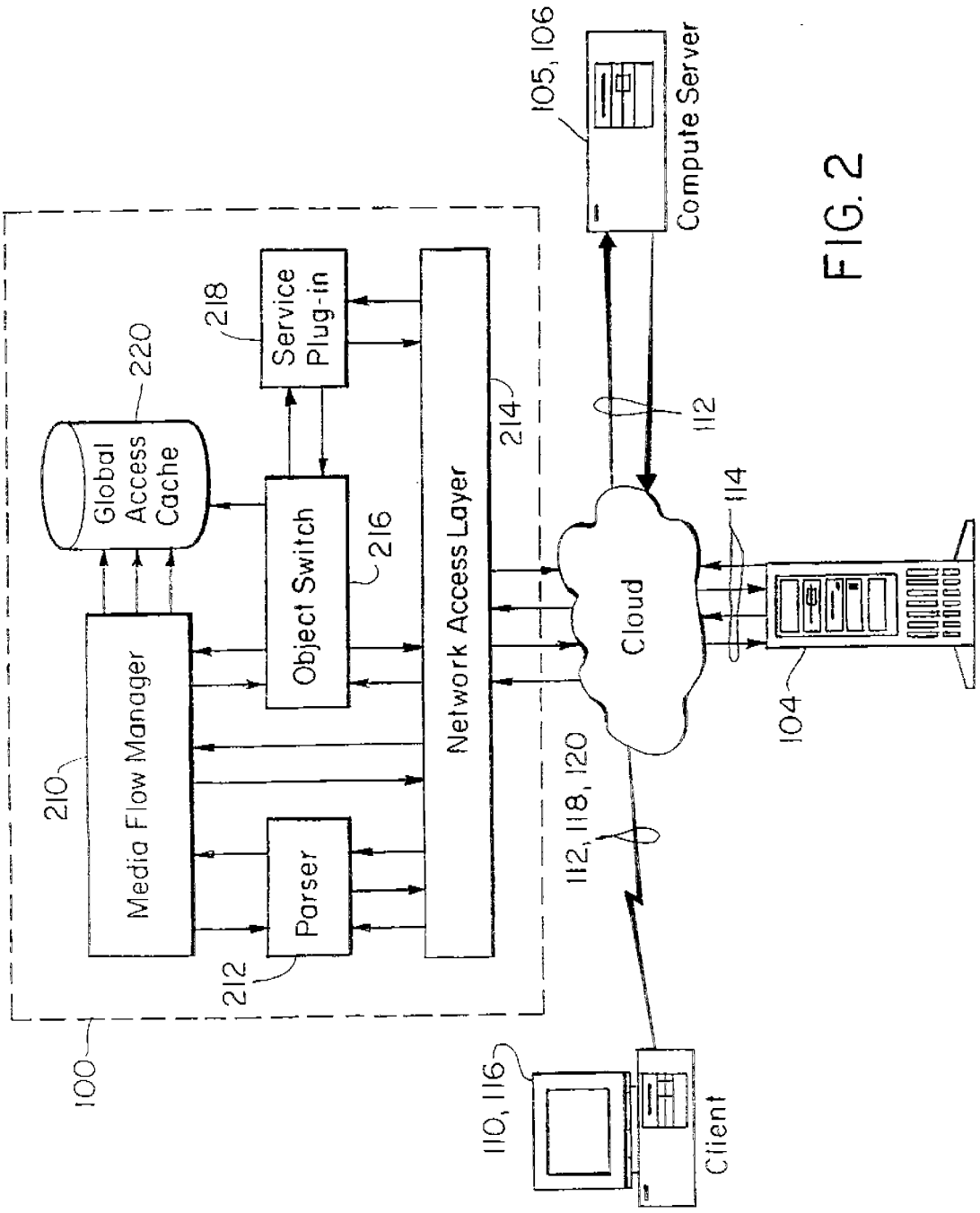

105, 106
Compute Server
218
Service Plug-in
220
Global Access Cache
214
Network Access Layer
216
Object Switch
112
114
Cloud
210
Media Flow Manager
212
Parser
112, 118, 120
104
100
110, 116
Client

FIG. 2

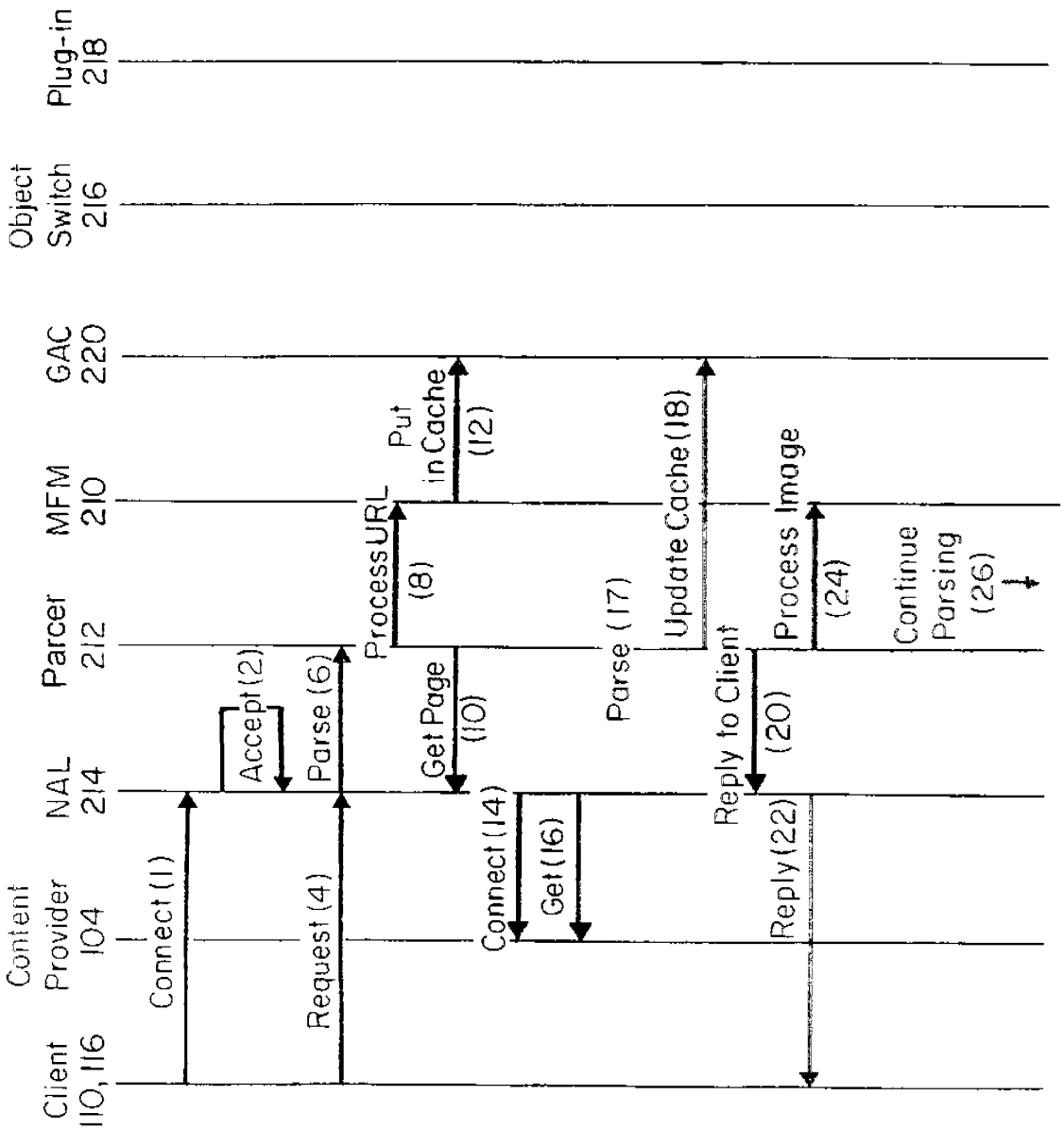


FIG. 3A

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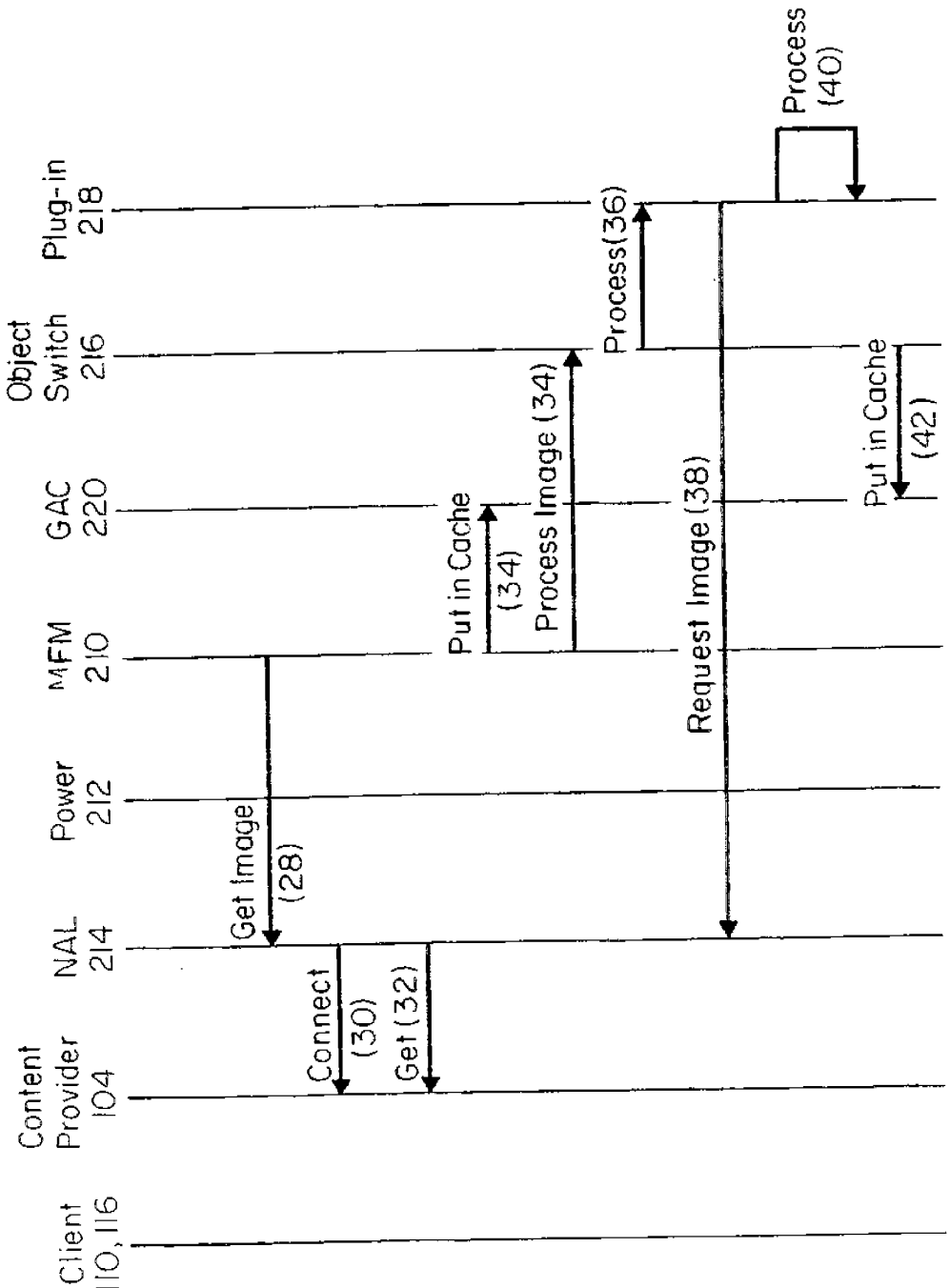


FIG. 3B

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Header				Content						
Version	Length	Type	Message Id	Src Type	Src Path Len	Src Path	Dest Type	Dest Path Len	Dest Path	Dest Param

Field	Field Length	Description
Version	4	Message Version Number. E.g. 0100, implies 1.0
Length	4	Length of the content
Type	4	Type of the Message: 1-for request, 2-for reply, 3-for error
Message Id	4	Numeric ID of the message assigned by the NAL
Src Type	4	Numeric type of the source image: 1-GIF, 2-JPEG, 3-MM Compress Format 1
Src Path Len	4	Length of the Src Path
Src Path	-	Path where the image is stored. Can be a network path as well.
Dest Type	4	Numeric type of the final image: 1-GIF, 2-JPEG, 3-MM Compress Format 1
Dest Path Len	4	Length of the Dest Path
Dest Path	-	Path where the final image has to be stored
Dest Param	4	Can be used to set an optional parameter

FIG. 4A

Header				Content			
Version	Length	Type	Message Id	Reply Code	Dest Type	Dest Path Len	Dest Path

Field	Field Length	Description
Version	4	Message Version Number. E.g. 0100, implies 1.0
Length	4	Length of the content
Type	4	Type of the Message: 1-for request, 2-for reply, 3-for error
Message Id	4	Numeric ID of the message assigned by the NAL
Reply Code	4	The success or failure of the service: 1- success, 0- error
Dest Type	4	Numeric type of the final image: 1 - GIF, 2 - JPEG, 3 - MM Compress Format 1
Dest Path Len	4	Length of the Dest Path
Dest Path	-	Path where the final image has to be stored

FIG. 4B

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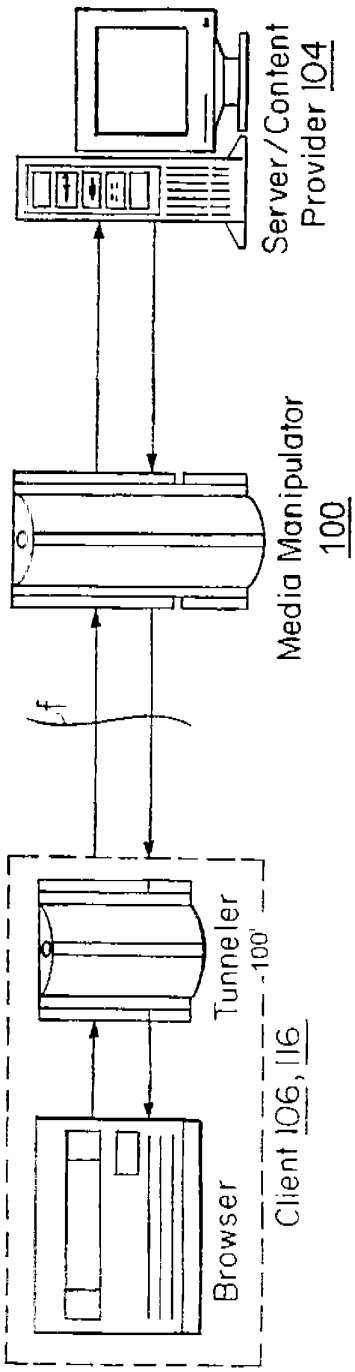
Header				Content			
Version	Length	Type	Message Id	Reply Code	Error Code	Error Reason Len	Error Reason

Field	Field Length	Description
Version	4	Message Version Number. E.g. 0100, implies 1.0
Length	4	Length of the content
Type	4	Type of the Message: 1-for request, 2 for reply, 3 for error
Message Id	4	Numeric ID of the message assigned by the NAL
Reply Code	4	The success or failure of the service: 0-error
Error Code	4	Numeric Error Code assigned by the compute server
Error Reason Len	4	Length of the reason, the next field
Error Reason	-	String describing the error

FIG. 4C

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FIG. 7



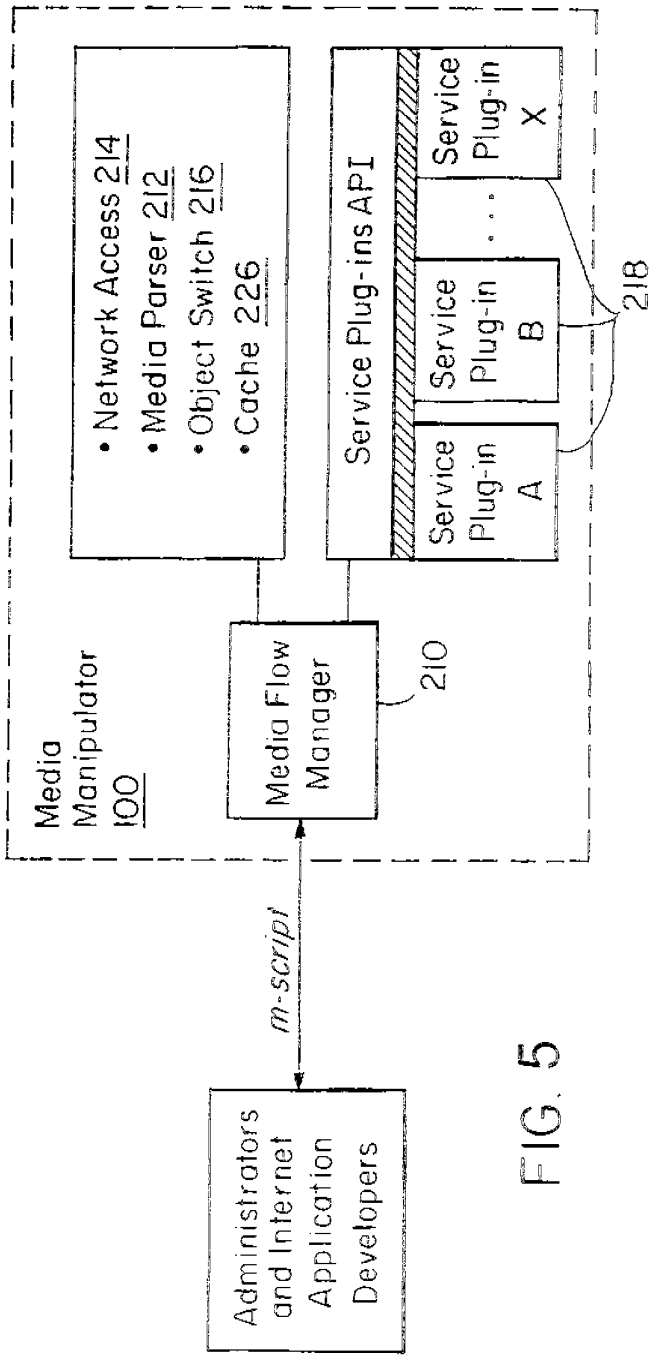


FIG. 5

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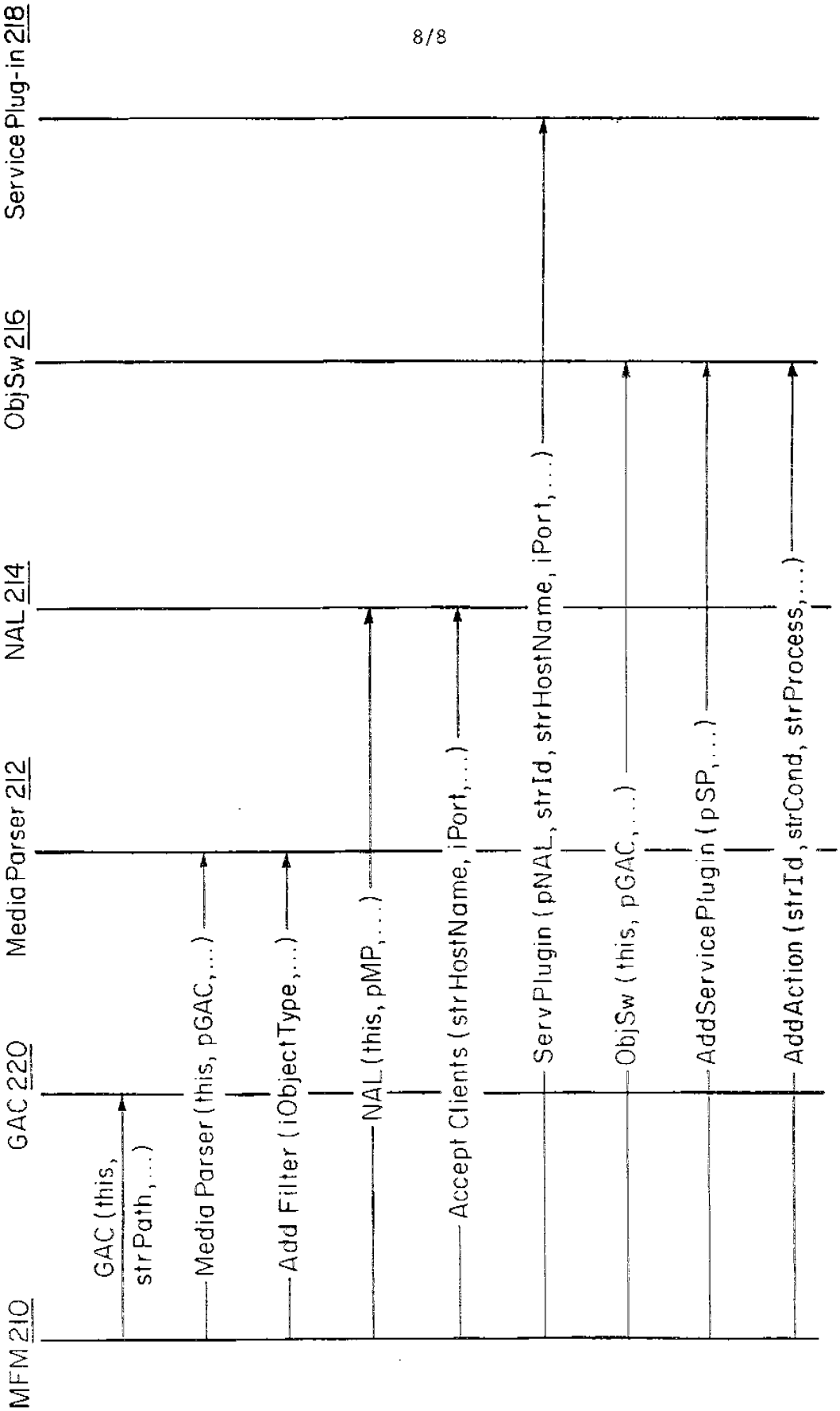


FIG. 6

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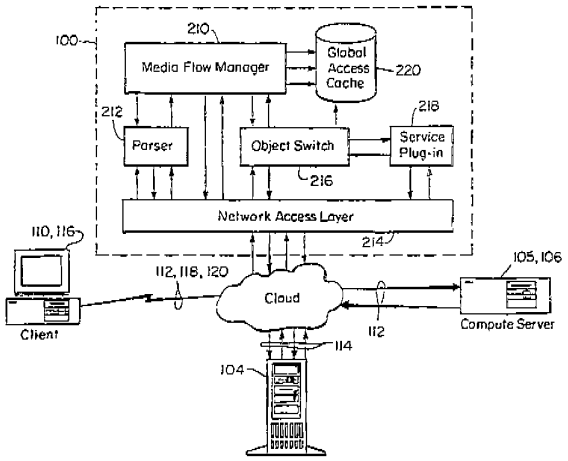
(74) Agents: SMITH, James, M. et al.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02173 (US).

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(54) Title: NETWORK BASED PROGRAMMABLE MEDIA MANIPULATOR



(57) Abstract

The media manipulator is a middle layer between the clients (110, 116) and the remote data servers (104) is the common client-server organization. It transforms the network into a more flexible three-tiered configuration. Requests generated by the clients (110) for media objects from media resources are routed to the media manipulator (100). It processes the requests and determines if the media objects may be found locally, either cached (220) in the media manipulator (100) itself or in the local data servers (106). When the media objects are obtained, the media manipulator (100) can be used to perform operations on those objects such as format translations, to apply protective mechanisms for the clients (110), to speed communications between the remote servers (104) and the clients (110), or perform compute operations for the clients (110). In one example, a parser (112) of the manipulator (100) searches for images in the media objects so that service devices (218) can be called to perform data compression or pornography detection on the images. The parser can also search for executable or data files in the media objects and to perform virus scanning or format conversion, respectively.

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INTERNATIONAL SEARCH REPORT

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PCT/US 97/10758

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04L29/06

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 669 587 A (AT & T CORP) 30 August 1995	1,12
A	see column 4, line 20 - column 5, line 14; figure 1 see column 7, line 13-34; figure 2 see column 9, line 17-29 see column 16, line 39-51 ---	2,3,7,8, 10,13, 14,18
A	THAU R: "Design considerations for the Apache Server API" COMPUTER NETWORKS AND ISDN SYSTEMS, vol. 28, no. 11, May 1996, pages 1113-1122, XP002046988 see paragraph 4 --- -/--	2,10,13

[X] Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search	Date of mailing of the international search report
20 November 1997	18.12.97

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dupuis, H

INTERNATIONAL SEARCH REPORT

Inter onal Application No
PCT/US 97/10758

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TREVOR J ET AL: "Exorcising daemons: a modular and lightweight approach to deploying applications on the Web" COMPUTER NETWORKS AND ISDN SYSTEMS, vol. 28, no. 11, May 1996, pages 1053-1062, XP002046968 see paragraph 3 - paragraph 3.1 ---	2,3,7,8, 10,13, 14,18
A	WO 96 17306 A (ORACLE CORP) 6 June 1996 see page 8, line 16-21 see page 11, line 29 - page 13, line 22; figure 1 see page 15, line 6-16 see page 17, line 27 - page 18, line 15 see page 34, line 2-28 ---	1,6, 9-12,17, 20,21
A	HOWLETT D: "Protection on the Web" COMPUTERS AND SECURITY, vol. 15, no. 4, 1996, page 319 XP002046969 see the whole document -----	4,15

IPR2023-00330 Page 00480

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter onal Application No
PCT/US 97/10758

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0669587 A	30-08-95	CA 2140850 A	25-08-95
WO 9617306 A	06-06-96	NONE	

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AUSTRALIA

Patents Act 1990

COMPLETE SPECIFICATION

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Kambah, ACT2902

ASSOCIATED PROVISIONAL: PO5254 Filed 21 February 1997

INVENTION TITLE: NETWORK-BASED CLASSIFIED INFORMATION SYSTEMS

The following is a full description of the invention including the best method of performing it known to me:

AU9853031

(12) PATENT ABSTRACT (11) Document No. AU-A-53031/98
(19) AUSTRALIAN PATENT OFFICE

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NETWORK-BASED CLASSIFIED INFORMATION SYSTEMS

(51)[6] International Patent Classification(s)
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(21) Application No. : 53031/98 (22) Application Date : 10/02/98

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PO5254	21/02/97	AU AUSTRALIA

(43) Publication Date : 27/08/98

(71) Applicant(s)
DUDLEY JOHN MILLS

(72) Inventor(s)
DUDLEY JOHN MILLS

(57)

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 the Internet or Intranets. The web pages containing HTML, XML or SGML encoded CCG-data, database update controls and web browser display controls are created and modified by using simple text editors, HTML, XML or SGML editors or purpose built editors. The CCG 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.

TITLE: NETWORK BASED CLASSIFIED INFORMATION SYSTEMS

FIELD OF INVENTION

This invention relates to network based classified information systems, to methods of automatically building searchable databases of classified information derived from web pages posted on a network, and, to web pages for use in such systems and methods.

The information systems and databases of most relevance to this invention are those which include classified product and service catalogues similar to the Yellow Pages telephone books, contact indexes similar to the White Pages telephone books, and/or subject indexes similar to Library catalogues. Such information systems and databases typically include sets of associated classification, contact and/or geographic items of information. For convenience, classification, contact and/or geographic information will be hereinafter called CCG-data.

The networks with which this invention is concerned are the worldwide public computer/communications network commonly known as the Internet and private networks – sometimes called intranets – which allow common access to markup documents on computers connected to the network. Markup documents are text files prepared using various markup languages such as HyperText Markup Language (HTML) and Extensible Markup Language (XML) which are implementations (or dialects) of the Standard Generalised Markup Language (SGML). The system of accessible files on the Internet is called the World Wide Web (WWW) and the markup documents themselves are commonly called 'web pages'. A web page is said to be 'posted' on a network when it is stored on computer-readable media of a host network computer as a file which is generally accessible to network users. A web page is transported from the host computer to a requesting computer through intermediate network computers as a computer-readable signal embodied in a carrier wave. Though this invention is not limited to Internet based information systems, these terms are used for convenience.

BACKGROUND TO THE INVENTION

It has been estimated that there are about 100 million web pages on the Internet and that the number is doubling every two years. Many of these pages include information concerning commercially offered goods and services and often include contact details. But the difficulty of locating such information is increasing faster than the growth in the number of web pages.

To assist network users locate web pages of interest, certain network service providers create indexes (or databases) of the contents of web pages posted (stored on computer readable media so as to be generally accessible) on the network and provide 'search engines' to use the indexes. These indexes are often created automatically by the use of 'web crawlers' which (i) interrogate computer after computer on the network to locate successive web pages and (ii) index the words in each web page encountered against the network address (eg Internet Protocol Address or IPA) and filing system path or universal resource locator (URL) at which the web page is accessible. Hereinafter the terms URL and URI (Uniform Resource Identifier) are taken to be identical in meaning and to signify network addresses and filing system paths. Usually, the indexes consist of a list of unique words with each word having an associated list of URLs of the web pages wherein the word was found to occur during interrogation. The URL serves as a 'hyperlink' which, if selected by a user/searcher, results in the associated web page being automatically transmitted from the computer where it is posted on the network to the user/searcher's computer where it may be displayed or otherwise processed. The sending and receiving of files in this way is greatly assisted by user interface programs called 'web browsers' (or more simply, 'browsers') such as Netscape and Microsoft Internet Explorer.

The search for web pages of interest using search engines leaves much to be desired:

- simple searches (those using a few keywords in simple combinations) often yield far too many web page references (URLs) to permit them to be interrogated one-by-one,
- complex searches (those using many keywords and/or complex Boolean expressions) require considerable expertise to undertake,
- even using optimum search criteria, many irrelevant web pages are referenced because of inconsistent use of terminology by those who author the original web pages,
- even using optimum search criteria, many relevant pages are missed, again because of inconsistent use of terminology by web page authors, and
- because items of information included in the body of web pages cannot be 'understood' or associated in useful ways by web crawlers; that is recognised as, say, a surname, a street name, a geographic locality, or type of goods or services and, say, a surname strongly associated with a street name, a geographic locality, or a type of goods or service.

The result is that information provided by search engines from databases which are automatically compiled using web crawlers is a very poor equivalent of the common Yellow Pages and White Pages directories which serve the telephone industry (though these directories are not, of course, automatically compiled from web pages).

In an attempt to improve the usefulness of automatically compiled network databases, some search engine providers make use of information contained in URLs, such as the country code and top level domain name codes such as 'com', 'edu', 'net' and 'org' which is sometimes used to signify the subject matter of web pages. It has been proposed to add more content classifying codes to URLs (eg, "chem" to signify chemical subject matter) to allow specialised databases – national, commercial, chemical, etc – to be generated. However, this proposal has serious drawbacks:

- URLs are Internet addresses and it is in principle undesirable to confuse the address function of a URL with that of representing a list of web page classifications or contact details.
- A URL is an inappropriate container of multiple web page classification codes and contact details because the length of the URL would cause it to become unwieldy as an Internet address.
- Including in a URL classification codes drawn from a list of thousands of codes would compromise the mnemonic quality of Internet addresses such as "www.yellowpages.com".
- There is substantial overlap in the subject matter contained in web pages having the various top level domain name codes.
- There is no consensus on, or standard for, content classification codes in URLs.

Another proposal to add content classification data to web pages has arisen from the wish to identify pages containing material that may be offensive to some viewers, or should not be accessed by minors. The Platform for Internet Content Selection (PICS) (see http://www.w3.org/pub/WWW/PICS and other documents at www.w3.org) is a web page ratings standard similar in principle to the ratings systems for motion pictures. This system allows page authors to "internally" self classify their pages through use of the "<meta...>" HTML element. Alternatively, "external" PICS ratings of web pages may be obtained from ratings service providers accessed each time a URL is selected. In practice, the ratings service providers have adopted very limited range of web page classifications. For example, Ararat Software's Commercial Rating System (see http://www.ararat.com.ratings/ararat10.html) provides just 5 categories of web page content: commercial content, technical/customer support, ordering information, downloading information and contact information. In other

examples, CyberPatrol (http://www.microsys.com/pics/pics_msi.htm) provides 16 categories, the Recreational Software Advisory Council (http://www.rsac.org/faq.html) provides 4 categories, SafeSurf (http://www.safesurf.com/ssplan.htm) provides 11 categories and Vancouver Webpages Rating Service (http://vancouver-webpages.com/VWP1.0/ provides 11 categories. None of the categories provide classification of web pages by industry, service, product or subject with sufficient specificity to be useful when searching for web pages. Rather, the categories are intended to prevent web browsers from displaying web pages unsuitable for particular types of web browser users. Such rating systems are not intended to be used for the automated creation of Yellow or White pages like databases from web pages and are unsuitable for that purpose because they can not represent contact details. Further, the ratings data may only be encoded in the <meta...> element in the <head> of an HTML document drastically limiting the type and usefulness of the data that can be encoded.

Another proposal for classifying the content of web pages, the "Meta Content Framework" (MCF - see http://mcf.research.apple.com/mcf.html"), requires the content of web pages to be classified and the classification data to be held in a separate non-HTML data file with a MIME type of text/mcf. Storing data in non-HTML encoded documents which describes the content of HTML encoded documents is a technical and economic barrier to the adoption by search engine providers of the proposal. The MCF proposal is thus entirely unsuited to the automated creation of Yellow or White pages like databases from HTML encoded web pages (MIME type text/html) because data stored according to the MCF proposal is not stored in HTML encoded web pages.

The "Electronic Business Card", vCard, (see "vCard The Electronic Business Card" Version 2.1, versit Consortium Specification, Sept 18, 1996 or ftp://ds.internic.net/internet-drafts/draft-ietf-asid-mime-vcard-01.txt) uses non-HTML data file (MIME Content Types of "text/plain" or the non-standard "text/X-vCard") containing contact information equivalent to an extended White Pages entry which can be exchanged on a network using Simple Mail Transfer Protocol (SMTP) or using HTTP. It can be associated with a web page by use of a URL in the web page which refers to the vCard information (eg My vCard). Version 2.1 vCard standard data file format (published 18 September 1996) provides for the inclusion of many items of contact information. The vCard specification recommends that, where possible, there should be consistent mapping of vCard property names to HTML "<input>" element attribute names (eg vCard property name "TITLE" maps to HTML "<input name= 'title'>"). The intention is to facilitate the transfer of vCard data into web page input forms by pasting from a clipboard or by dragging from other computer applications. The VCard proposal is unsuited to the automated creation of Yellow or White pages like databases from HTML encoded web pages because data stored according to the VCard proposal is not stored in HTML encoded web pages.

The inclusion of classified information in separate documents (such as Meta Content files or vCards) has the disadvantage that there is necessarily much duplication of data and coordination of modifications between the separate documents and the web pages. This must be done to allow a person who has accessed a web page using an HTML compliant browser to determine whether it is worth calling up the associated file or vice versa. Also, to allow portions of web pages to be classified, web page contextual information would have to be duplicated in the separate document. vCards in particular do not provide this functionality. Another disadvantage is that non-HTML documents such as vCards contain no details as to how the data they contain is to be displayed. In the display of HTML documents the position, font, size, colour of the text and other elements of the document are of great importance. The

restriction of address data in a vCard to untagged ordinally organised fields is inflexible. For example, multiple instances of extended parts of the address are not possible. Also components of names, addresses and telephone numbers and so forth are insufficiently identified.

The Online Computer Library Center Inc (OCLC, Dublin, Ohio, USA) proposal, known as the "Dublin Core", proposes to classifying scholarly web pages by subject (topic of the work, or keywords that describe the content of the work), title, author, publisher, other agent, date, object type (genre of the object such as home page, novel, poem etc), form, identifier, source, language, relationship and coverage (spatial and temporal) (see http://www.oclc.org:5046/~weibel/html-meta.html and other documents at www.oclc.org). This proposal does not include industry, service, product or subject classifications. It also does not include contact details. Names such as that of the author are not specified in sufficient detail to avoid ambiguities such as which is the author's first and last names. The proposal specifies that the details are encoded using the <meta...> element in the <head> of web pages. The proposal is unsuited to the automated creation of Yellow or White pages like databases from web pages because the proposal does not provide for classification of web pages and does not provide adequate contact details. Further, the use of keywords for describing the content of the work adds very little to the effectiveness of indexing of web pages since the web pages are usually indexed on every word of their content and most often the key words would simply be a duplication of words already contained in the document.

It has also been proposed to use the Dewey Decimal System (see http://orc.rsch.oclc.org:6109/eval_dc.html and http://orc.rsch.oclc.org:6109/bintro.html) to rank electronic documents against a Dewey Decimal subject classification. The proposal suggests automatically assigning Dewey Decimal subject classification codes to documents during automated indexing and cataloguing but does not specify the exact nature of the assignment although it is implied that the codes are stored separately from the documents. The proposal admits that such automated classification is less satisfactory than human classification. The proposal is unsuited to the automated creation of Yellow or White pages like databases from web pages because the accuracy of classification is inadequate, does not provide for inclusion of industry, service or product classifications and does not provide for inclusion of contact details. Deriving a subject classification code from an analysis of every word and phrase in a web page is computationally expensive.

The HTML 3.0 standard (see page 23 of the www.w3.org document "draft-ietf-html-specv3-00.txt") provides "class" as an attribute of almost all HTML "<body>" elements. The "class" attribute is intended to be used with style sheets. Style sheets provide a means by which the display of HTML documents may be altered to suit the needs of different classes of browser users. For example, could be used to define a division that acts as an appendix, <h2 class="section"> could be used to define a level 2 header that acts as a section header, although, of course, any string of characters could be defined for those purposes. The "class" attribute, although never having been suggested for holding goods and services classifications, is not suited for such a use as it is, in any case, undesirable to confuse the style sheet function of the "class" attribute.

The HTML 3.0 and earlier standards provided the HTML elements "<person>" and "<address>" but do not specify the form of the content or method of validating the content of those elements. A person's name may be written as first name followed by last name or last name followed by first name. Similarly, different conventions exist for writing addresses. Similar

ambiguities arise in the ill defined format of the HTML elements "<person>" and "<address>". As such they are of little use in the automatic compilation of searchable databases.

The XML language (see: http://textuality.com/sgml-erb/WD-xml.html) was developed to extend HTML so that software vendors can add new elements and new element attributes to HTML which are not specifically defined in any HTML standard. The intention is to ensure that all new elements and attributes could be parsed by all XML parsers even if the new elements held no significance for any particular XML parser. However, like HTML, XML does not provide a standard for the representation of industry, service, product or subject classification, contact or geographic location details within an web page.

Of course, many useful databases of the Yellow Pages or White Pages type are made available by service providers on networks, but they are not compiled automatically by using web crawlers to scan HTML web pages posted on a network. For example, http://www.yellowpages.com.au and http://www.mcp.com provide classified advertisements of the Yellow Pages type with links to the web pages of paying advertisers or subscribers. There are also directories of email addresses which approximate the White Pages directories, listing the names of individuals and organisations and contact details, (eg http://www.bigbook.com and http://query1.whowhere.com). However, these email directories require listers to manually add their directory entries and enquirers to be aware of and to find the directory enquiry web page. They cannot be automatically generated by scanning web pages using web crawlers since there is no adequate mechanism to relate email addresses to the names of people and organisations and their other contact details which may also exist in the same web page.

OBJECTIVES OF THE INVENTION

The general object of the invention is to provide improved methods for automatically building searchable databases of classification, contact, and/or geographical information by using web crawlers to interrogate web pages posted on a network. [For convenience, this information is collectively referred to as CCG-data].

Other non-essential objectives are to provide methods for including and/or displaying CCG-data within web pages accessed by browsers, for automatically extracting CCG-data from web pages posted on a network and for using the same, and/or to provide methods for searching automatically compiled databases using such data.

Another subsidiary objective of the invention is to provide a new form of web page which is better suited to the automatic compilation (using web crawlers) of databases constructed by the automatic scanning of many such pages posted on a network.

OUTLINE OF THE INVENTION

The invention is based upon the realisation that highly useful databases can be automatically built by successively interrogating web pages posted on a network if one or more HTML encoded CCG phrases are included in the web pages. A CCG phrase is one containing CCG-data in a form which is directly accessible and identifiable. CCG phrases may also include one or more items which provide the web page author with control over how the CCG-data is applied to the database.

Data duplication can be reduced if some of the CCG-data in the coded CCG phrases can be displayed by browsers as well as being used to update databases. Errors due to inexactly duplicated data are also eliminated. Accordingly, it is envisaged that CCG phrases may include

one or more items which provide the web page author with control over how the CCG-data is displayed by a browser.

HTML (including version 2 and version 3) and XML are evolving applications (sub-sets or dialects) of ISO Standard 8879 1986 known as Standard Generalised Markup Language (SGML). HTML, in large part, is a language used to describe how text (unstructured data) and graphics is to be formatted for display. The HTML language consists of a finite number of "elements" (for example; "
" where "BR" is the element name, also called the tag name) which may contain "attributes" (for example; "<DL COMPACT>" where "COMPACT" is an attribute named "COMPACT") and may contain values associated with attributes (for example; "<FONT SIZE=+1>" where +1 is the attribute value of the attribute named "SIZE"). XML is a language used to describe structured data. The XML language is similarly composed of elements, attributes and values with a similar syntax to HTML but unlike HTML the element names which may be used are not restricted and the meaning of the XML data may be interpreted in any convenient manner. While the XML language is mute about how data described by XML is to be formatted for display, the data may be used by computer programs for any purpose including description of how XML coded data is displayed. However, due to its historic importance in connection with web pages, the term "HTML" is herein used to refer to all markup languages which are subsets or complete sets of the SGML language. In particular, the term "HTML encoded CCG phrase" and the synonymous term "CCG phrase" are herein used to refer to CCG-data encoded in a subset or complete set of the SGML language. Herein, a "web page" is a document adapted to be or actually accessible through a network and encoded in a subset or complete set of the SGML language.

For convenience, CCG items in HTML encoded CCG phrases, whether they are syntactically represented as elements or as attributes, will be referred to hereinafter as CCG attributes.

A CCG phrase includes at least one of the following identifiable types of CCG-data attributes:

- industry, product, service, and/or subject classifications,
- contact categories, contact person(s) and/or organisation(s) names, titles or associations, contact details including physical and postal addresses, telephone and fax numbers, email and Internet or network addresses or locations, public keys, and
- geographic location details.

A CCG phrase may also include any of the following identifiable types of CCG control attributes:

- database control attributes to indicate which parts of the data are to be used to update databases, and
- display control attributes to indicate how browsers are to display the data.

By virtue of occurring in the same CCG phrase, a plurality of CCG-data attributes are associated with each other.

By virtue of their occurrence in the same CCG phrase, CCG-data attributes are idententified as a set of associated attributes. However the degree of association between attributes can be controlled by the inclusion in the phrase of database control attributes.

The start and end of CCG phrases should be identifiable to clearly distinguish these phrases from other data. To identify the beginning and end of a CCG phrase, at least one HTML element should have a CCG specific HTML element name or CCG specific attribute name or

CCG specific value. Each CCG attribute may consist, with or without other incidental characters, of a CCG attribute name and/or a CCG value or values. Preferably, each CCG phrase is contained in the "<body>" of the web page.

Two examples of a CCG specific HTML element are: "<CCG ...>" or "<CCG ... />" or "<CCG>...</CCG>". (Where a CCG phrase is coded in XML, the elements "<XML>" and "</XML>" may also be needed at the start and end of the CCG phrase.) A less satisfactory example is: "<!–CCG ...–> where the characters "CCG" after HTML comment element name "!–" are used to signify that the comment contains CCG-data. An example of the use of a CCG specific attribute name is: "<START CCG>"..."<END CCG>". An example of the use of a CCG specific value is: "<START TYPE='CCG'>"..."<END TYPE='CCG'>". Obviously, other character strings could be substituted for the element name, element attribute name or element attribute value "CCG" string of the examples.

The codes "<CCG ...>" and "<CCG ... />" are compatible with most HTML specifications, but being non-standard HTML, most web browsers do not display any text or attributes (eg PQ="AQD") within the angle brackets "<" and ">". These codes are preferred where display of the CCG data is not required and compatibility with older browsers is required (eg CCG phrases containing only classification values).

From one aspect, therefore, the invention comprises a web page for posting on a network, the web page being characterised by the inclusion of at least one CCG phrase in the "<body>" of the page, the CCG phrase being such that the CCG attributes contained therein are accessible and identifiable by (i) HTML compliant editors and/or (ii) HTML compliant web crawlers for the automatic construction of databases of classified information, and/or (iii) HTML compliant browsers for display on the computer screens of network users.

From another aspect, the invention comprises a method of constructing web pages of the above described type. The web pages may be constructed on digital computers using simple text editors such as Microsoft Windows Notepad, or preferably, purpose built human controlled editors or automated composing programs which embody knowledge of HTML and CCG syntax and grammar. Which ever process is used, CCG attributes are selected and inserted, modified, deleted and/or organised to form a valid CCG phrases in HTML encoded documents and the documents are posted on computer readable storage devices of computers connected to a computer network so that the documents are generally available to computers on the network.

From another aspect, the invention comprises a method of populating a database with CCG-data extracted from web pages. Web pages posted on a network are successively retrieved by a digital computer program (eg: a web crawler) and CCG phrases contained therein are identified and at least some of the CCG attributes found within the CCG phrases are extracted. The CCG attribute names are used to determine the type of data in the associated values. Generally the CCG attributes of interest are those relating to classification, contact and geographic data and database update controls while the attributes of little or no of interest in relation to database updating are those relating to display controls. Of course, the CCG-data extracted need only be that relevant to the particular database being updated. For example, one database may have been designed to index only web page classifications and URLs while another database may have been designed to index only contact details. Databases also differ *in their internal representation* of data and means of associating data. For example, some use

"flat file" tables, others use pointers to data to create network associations while others use hashing and buckets.

The conventional nomenclature differs considerably between different types of database. Depending on the particular database nomenclature, data of the same type is said to be stored in table columns, fields, attributes and properties. The terms column and field are somewhat related to the physical representation of the data in files while attribute and property is more related to the logical representation of data. To avoid confusion, with the terms "HTML attribute", "CCG attribute" or just "attribute", hereinafter a database property means both a type of data stored in the database and a place in the database where data of the same type is stored. Database properties are referred to by a name ("property name") or similar reference and contain values. For example, a database property with the name "City name" and which contains values which are all the names of cities may be defined as a "City name" type database property.

Whichever style of database is used, it is preferred that the database update program relate the CCG attributes to corresponding database properties used by the database update process so that the database property values are updated with CCG values in a manner which preserves the distinctness, content and meaning of the CCG values and, preferably, preserves the CCG value associations expressed in the CCG phrase as sets of associated database property values of different types.

In some cases, it is desired to know the address of the web page from which the CCG values were extracted. For example, the purpose of building a database might be to allow searching of the database by web page classification to provide a list URLs of web pages or URLs of portions of web pages which contain matching CCG classifications. The URLs could then be inserted in an HTML document and transmitted to a web browser as a list of references to web pages matching a search expression. In that example, associating the URL of a web page or the URL of a portion of a web page with the CCG values extracted from the same web page or web page portion is important and the URL or means of reconstructing it must be available and supplied to the database update process. In one style of database, the values of the same type are held separate rows in a column (property) of a database table, and pointers held in another column (property) are associated with the values by sharing the same table row. The table row constitutes a set of associated property values. Each pointer points to a bucket (block of data) containing a list of URLs or pointers to URLs held in a separate bucket or table. In another style of database, values of different types are held in different tables together with a set number, pointer or similar code which is used to indicate which values are associated as members of the same set. In one variation, the values of set members are prefixed with a code indicating the type of value and all values are held in the same column of a table. If the purpose of the database is to hold contact data, recording the web page URL in the database might not be required although if the URL is not present in the database, updating changes in the CCG contact details contained within a web page is more difficult. Of course, one database may be used to record all types of CCG values contained in web pages and associate with each other any and all values extracted from the same web page or even from other web pages.

From another aspect, the invention comprises a method of searching the databases constructed as outlined above. These databases may be used for a variety of searching purposes. For example, to find web page URLs by using the association of web page URLs with industry, service, product or subject classification or a person's or organisation's name or

address or geographic location values or any combination thereof. In another example, the databases may be used to find the contact details for people or organisations by name or location of industry, service, product or web page subject type and so forth by using the association between items of the contact details in the database without having to retrieve web pages associated with the contact details.

More particularly, the searching method involves finding URL references, or finding sets of associated database property values, from databases containing CCG-data. The method including steps of parsing a query phrase received from a computer network to extract query relational expressions and, from each expression, deriving a query field name, query relational operator and query value, determining the type of the query field by reference to its name, relating the query field to a corresponding database property according to type and locating CCG-data database property values in the database property which return a true value when tested against the query value using the query relational operator. Finally, the URL references or the sets of property values associated with the so located CCG-data database property values are extracted.

Database queries are usually expressed in a query language in the form of a phrase or sentence. In query by example style enquiry systems, the user types values into input fields on a form and a program extracts the input values and uses the values to automatically compose a query phrase or sentence. There are many existing examples of query languages used in connection with databases. Generally, they consist of relational expressions (eg Field=Value), logical expressions and grouping of relational and logical expressions by means such as parentheses. They may also contain sorting and output formatting expressions. Often abbreviated notation is used in the expressions such as leaving out field names or relational operators which are then inferred from the value in the expression or implied by default. In an enquiry the nature and format of the output may also be implied, such as a list of URLs of web pages or a list of contact details. Whatever is the mechanism of any particular database, the query expression needs to be parsed and fields in the query expression, explicit, default, implied or inferred, need be related to database properties of similar type. In some styles of database enquiry the query expression is evaluated against each row of a table or record of a file to find rows or records (ie a set of associated property values) which match the query expression. In other styles, sub-sets of the values of the properties are selected according to the interpretation of relational expressions in the query expression and the sub-sets are combined according to logical and grouping expressions in the query to find the sets of associated property values which match the query expression. Often, to make logical operations which combine the selected sub-sets more efficient, it is not the values which are selected but pointers to the values (eg Table name and table row) or unique keys (eg URLs or pointers to URLs) associated with the values. For example, the AND logical operator is often used to combine two lists so that only values or pointers or keys common to both lists are found in the combined list. Usually, the query produces a result list which is then provided to other processes. For example, a list of URLs of web pages is processed to produce an attractively formatted HTML encoded document containing the URLs and is sent to a web browser to allow an enquirer to retrieve interesting web pages. In another example, the contact details associated in the database with each value or pointer in the result list are retrieved from the database and presented as a report in the form of an HTML encoded document and is sent to a web browser for viewing.

From another aspect, the invention comprises a method of displaying CCG-data contained in CCG phrases within web pages which are displayed by a web browser executing on a digital

computer. While a web page is loading or has loaded in a web browser, the web browser parses the web page and displays the text (or data) of the web page on a display device connected to the computer. When the web browser parser encounters CCG phrases, the web browser may display the CCG-data (element and/or attribute names (or translations of element and/or attribute names) and/or values) in a number of browser specific ways. For example, the web browser may by default not display any CCG-data, display all CCG-data, not display any CCG-data until a CCG display control attribute explicitly states that subsequent data should be displayed or display all CCG-data until a CCG display control attribute explicitly states that subsequent data should not be displayed. The web browser may also use CGA display controls specifying the size, font, position and so forth to alter the display of the CCG-data.

DESCRIPTION OF EXAMPLES

Having indicated the nature of the present invention, examples or embodiments thereof will now be described by way of illustration only.

Example 1: HTML Syntax Suitable for Representing a CCG Phrase

The following is an example of HTML element syntax suitable for representing CCG phrases in which a control (e.g. "SHOW") may be "good until countermanded" and thus apply to more than one field:

```
<CCG HREF="url"
{{NAME="label"  |  ID="identifier_code"}  &|  {LANG="language_code"  &
CLASS="Class_name"}
{
        {SET_SEPARATOR} &|
        {INDEX | NOINDEX} &|
        {SHOW | HIDE} &|
        {XPOS="horizontal_position_number"} &|
        {YPOS="vertical_position_number"} &|
        {NEWLINE} &|
        {ALIGN=centre | left | right | justify} &|
        {SIZE=[+/-]1 | 2 | 3 | 4 | 5 | 6 | 7} &|
        {COLOR="#rrggbb" | "colour_name"} &|
        {FACE="type_face_name"} &|
        {BLINK &| BOLD &| UNDERLINE &| ITALIC &| STRIKE} &|
        {SUBSCRIPT | SUPERSCRIPT} &|
        {CLEAR{=left | right | all}}
        {NORMAL} &|
        {{{CONTACT &| COPYRIGHT &| DEVELOPER} &|
        {PERSONAL &| BUSINESS &| ASSOCIATION} &|
        {attribute_name="attribute_value(s)"}
}
...
>
```

where: the ellipsis "..." implies optional repetition of the braced ("{" "}") items; the braces are used to group items and are not CCG syntactic elements; "&" (and) implies items must occur together; "|" (or) implies only one item must occur; and "&|" .(and/or) implies any including none of the items may appear together.

Using the syntax of this example, each CCG phrase is represented as an HTML element, the element name being "CCG" and the CCG-data (eg attribute_name="attribute_value") and CCG

controls (eg SIZE=+1) are represented as attributes of the HTML element. Some of the attributes (eg SIZE) having explicit values (eg +1) and some attributes have implied values depending on the presence or absence in a CCG phrase (eg when the attribute BUSINESS is present it has the implied value of True and the implied value of False when absent).

Representation in XML syntax requires, at most, only a simple translation. All the items, such as "NORMAL" and "attribute_name" may remain unchanged as attributes of the element named "CCG" (eg <CCG size=+1/>). However, when a CCG phrase is encoded in XML, it is preferred that the items are represented as XML elements. For example attribute "SIZE=+1" can be represented as element "<size>+1</size>" or "<size value=+1/>" and "NORMAL" can be represented as "<normal/>.

In this example, the attributes, ID, LANG and CLASS take their meanings from HTML 3.0. The "url" in HREF="url" or may be a link with or without destination anchor labels. For example the URL http://www.w3.org/docs.html does not contain a destination anchor label (or identifier) while http://www.w3.org/docs.html#searching does contain the destination anchor label "#searching" which is intended refer to an anchor in docs.html such as <A NAME="searching">...</A>. There is some confusion in various HTML standards documentation about the distinction between the expression NAME="label" and the expression ID="identifier_code". For most practical purposes the two expressions have the same function or meaning: to uniquely identify within a document a position in or portion of that document.

Database control attributes:
"Set_separator" indicates the end of association between preceding and following data other than through the weaker mutual association with the same CCG phrase or web page; the data are divided into sets. "Index | Noindex" indicates that the following data are / are not to be indexed by a web crawler. These attributes have an implied attribute value of 'True' if present in and 'False' when absent from a CCG phrase.

Display control attributes:
"Show | Hide" indicates that a browser should show / not show the following data. Xpos and Ypos indicate the position (for example in pixel or physical units) on the browser screen where the data is to be displayed. "Newline" may be used in addition or as an alternative method of placing text on a browser screen. "Align" indicates the positioning of data on a browser screen relative to the cursor position set by "Xpos", "Ypos" or "Newline". "Size", "Colour" and "Face" indicates the size, colour and type face or font of the following data when displayed on an browser screen. "Blink", "Bold", "Underline", "Italic", "Strike", "Superscript" and "Subscript" indicates that the following data should be displayed blinking, bold, underlined, italicised, struck through, superscripted or subscripted. "Clear" indicates that the browser screen in the region where data will be displayed should be cleared to background before displaying the following data. "Normal" indicates the data is to be displayed without the "Blink", ..., "Clear" characteristics. The display controls which consist of an attribute name without an explicit value have an implied value of 'True' when present and 'False' when absent.

CCG-data attributes:
"Contact &| Copyright &| Developer" indicates that the following CCG-data refers to details for a person or organisation and/or to the copyright owner and/or to the HTML or web page developer. "Personal &| Business &| Association" indicates that the following data refers to details for a person and/or business and/or association. The previous CCG-data attributes have an implied attribute value of 'True' if present in a CCG phrase or set and 'False' when

absent from a CCG phrase or set. The attribute_name could be standard CCG attribute names or synonyms of standard CCG attribute names or abbreviations of CCG attribute names which refer to the following types of CCG attribute values where square brackets "[" and "]" surround suggested attribute names:

- industry or service or product or subject classifications and sub-classifications:
  - classification name [CN],
  - classification codes [CC].
- display only text [TEXT].
- contact:
  - person:
    - courtesy title [PNC],
    - first given name [PNG],
    - other given names [PNO],
    - family name [PNF],
    - name suffix [PNS],
    - qualifications [PQ],
    - associations [PA],
    - contact person title [PT],
    - contact person role [PR].
  - organisation:
    - name [ON],
    - unit [OU],
    - identifier [OID].
  - physical or post or delivery address:
    - type [AT] (= "PHYSICAL" &| "POST-OFFICE" &| "POSTAL" &| "DELIVERY")
    - post office box number [AP#]
    - post office name [APN]
    - room or suite or office or unit or flat or apartment name &| number [AB#],
    - floor name &| number [ABF],
    - building name [ABN],
    - lane or street or road or highway number [AS#],
    - lane or street or road or highway name [ASN],
    - suburb or town or city name [ACN],
    - region or state or territory or province name [ARN],
    - post code [APC],
    - country or nation name [ANN],
  - telephone:
    - type [TT] (= "PREFERRED" &| "VOICE" &| "MOBILE" &| "CAR" &| "MESSAGE" &|"PAGER" &| "FACSIMILE" &| "MODEM" &| "ISDN" &| "VIDEO")
    - nation or country code number [TC#],
    - trunk access number [TT#],
    - area code number [TA#],
    - local number [TL#],
  - email:
    - type [ET] (= "INTERNET" | {other}),
    - mailer [EM],
    - address [EA],
  - Internet address:
    - url [IURL].
  - date & time:

- date & time from [DTF],
- date & time to [DTT],
- weekday from [DTWF],
- weekday to [DTWT],
- weekday time from [DTWFT],
- weekday time to [DTWTT],
- time zone [DTZ].

- brand name [BN].
- public key:
  - key type[KT].
  - key [K],
- geographical:
  - location units [GLU],
  - location [GL],
  - serviced region units [GLRU].
  - serviced region [GLR],

Suggested attribute name [CN] is the name of an attribute associated with the attribute value containing "classification name" type data. For example, the [CN] attribute value could be the name of a proprietary or national or international or other industry classification standard such as the Australian and New Zealand Standard Industry Classification or "ANZSIC" for short or the U.S. Bureau of the Census Industrial Classifications (USBCIC). The associated classification codes [CC] attribute value could contain the codes and/or descriptions of the codes of the named standard with or without modifications, deletions or extensions. For example: CN="ANZSIC" CC="61;Road transport" or CN="USBCIC" CC="581;Hardware store". Service classifications such as the International Standard Classification of Occupations could be used. For example: CN="ISCOO" CC="4430;Auctioneer" Product classifications such as the Harmonised Commodity Description And Coding System could be used. For example: CN="HSC" CC="8411;Turbojets, turbo-propellers & other gas turbines; parts thereof" For subject classifications, Dewey Decimal, and/or Universal Decimal and/or Library of Congress and/or Bliss and/or Colon Classification could be used. For example: CN="DDC" CC="577.699;Sea shore ecology" The inclusion of subject classifications provides a very simple, straightforward method of classifying the subject matter of an HTML document which could be attractive to commercially oriented copyright owners.

The text ([TEXT]), person ([PNC] - [PR]), organisation ([ON] - [OID]), physical or post or delivery address ([AT] - [ANN]), telephone ([TT] - [TL#]), email address ([ET] - [EA]) and Internet address [IURL] are intended to be associated with each other in the obvious manner. Date & time(s) ([DTF] - [DTZ]) are intended to indicate the times at which the address and/or telephone and/or email will be serviced by the associated person(s) and/or organisation(s). The brand name ([BN]) attribute is intended to hold commercial brand names. Public key ([KT] - [K]) is intended to hold public encryption keys for secure communication with the contact person or organisation.

The geographical location [GL] could be a latitude and longitude (eg E148D31'12.5",S36D40',09.6" or E148.5201,S36.6693 or -148.5201,-36.6693), or a Universal Grid Reference (eg 55FV364402) or other global, national, regional or local location reference with units as specified [GLU], which is typed in or obtained by pointing to a digitally encoded map or other methods. In more populated regions of some countries such as the U.S., street addresses and post codes are associated with a moderately accurate geographic location and

can be used to interpolate geographic location data where geographic location data is not explicitly stated in the CCG-data. Using a universally recognised code such as latitude and longitude has advantages when used with international mediums like the Internet. Geographical location is intended to be associated with a post, delivery address or physical address such as place of business or residence. A CCG compliant browser could use this reference to display a map centred on that geographic location. The purpose of the geographical location data is to allow browser users to specify search engine search criteria which will result in the search engine selecting only those Internet accessible documents which provide details about providers which are within a specified region. The serviced region [GLR] is intended to indicate the preferred area of operation of providers expressed in terms of serviced region units [GLRU]. A radial distance (eg in kilometres) or alternate means of expressing an area of interest around a geographic point, such as polygons, are envisaged.

It is envisaged that the CCG attribute_value could be composed of more than one value (actually sub-value) wherein specific characters or character strings separate individual values.

While specific instances of element names and types have been given in this example, of more importance is the type of data and type controls over the display and indexing of the data. As an alternative to the preferred immediately following example where the CCG-data is lumped together under the HTML element named "CCG", certain elements of the data, for example the classification data, could be lumped under separate HTML elements with distinctly different names thereby separating CCG classification data from CCG contact data. However, this is not preferred because the strength of association between the two types of data is weakened.

Example 2: Classification of Portion of a Web Page.

Where it is desired to classify a portion of a web page, such as a paragraph about a product, simple CCG-data may be used in conjunction with the syntax of Example1. For example:

```
<A NAME="Radios">AM-FM radio receivers: </A>
    <CCG HREF="#Radios">
        CN="ANZSIC"
        CC="E23.34.78;Electrical equipment - radio receivers AM"
        CC="E23.34.79;Electrical equipment - radio receivers FM"
    </CCG>
We won't be beaten on the price of these high quality receivers ....
```

In this example, the CCG prase appears after the related anchor (<A NAME=...</A>). However, while such proximity visually provides an obvious association between the anchor and related CCG phrase, it is intended that CCG phrase containing the attribute HREF related to a specific anchor could appear anywhere within the body of a web page and remain related to the named anchor. The CCG phrase containing the attribute HREF could appear in a separate document and thereby relate the CCG-data to the entire document or to a named anchor although, as previously noted, coordinating separate documents can be problematic. In the absence of the HREF and NAME attributes, it is also intended that the CCG-data apply to the whole web page.

Example 3 Classification of Portion of a Web Page using XML Syntax

Using XML syntax and similar attribute names to those of Example 2 the HTML fragment of Example 2 may be rewritten as:

```
<A NAME="Radios">AM-FM radio receivers: </A>
    <XML>
```

```
<CCG>
    <HREF>"#Radios"</HREF>
    <CN>"ANZSIC"</CN>
    <CC>"E23.34.78;Electrical equipment - radio receivers AM"</CC>
    <CC>"E23.34.79;Electrical equipment - radio receivers FM"</CC>
</CCG>
</XML>
```

We won't be beaten on the price of these high quality receivers ....

This example demonstrates that the translation of CCG-data from HTML to XML (and the reverse) involves simple syntactical and grammatical translations. Of course, the resulting HTML and XML, while "well formed" might not be recognised or, if recognised, might not be understood by some parsers.

Example 4: Constructing a Web Page Containing CCG-data

As an example, a web page developer, Alice Jamieson, is preparing an advertisement for a local electrician John Williams, trading as Kelso Electrical, who wants to advertise on the web for business within 30 kilometres from his office located at 18 Raglan Street, Kelso, New South Wales. Alice uses a graphical user interface web page authoring tool capable of creating and modifying web pages containing HTML (and XML) CCG phrases by accepting inputs from a user. The tool executes on a digital computer having input devices such as a keyboard, mouse, light pen and touch pad, display devices such as a CRT, LED arrays, liquid crystal arrays and computer-readable media such as magnetic and optical disks, memory arrays, magnetic tape and the like.

The authoring tool also embodies knowledge of the content and structure of CCG phrases such as the attribute names, valid ranges and sets of associated attribute values, the normal order of the attributes in the CCG phrase and interdependencies between attribute values. The tool provides a window where web pages may be viewed in layout (browser) mode and another window where the HTML code may be viewed in editing mode. The tool also provides means of inserting, deleting, modifying and organising HTML elements, changing font size, face and colour and so forth. The tool provides means for the user to build CCG phrases by using input devices to select an edit control representing various types of CCG attributes from a list which the tool then inserts in the body of a web page together with, when not already present, HTML code indicative of the start and end of a CCG phrase. The user then types in the value in the attribute. Similarly, the tool provides means of converting web page text to CCG attributes. Using input devices, the user selects the text to be converted to a CCG attribute then selects an edit control from a list; the tool then inserts the HTML code necessary to encode the text as a CCG attribute. However, these semi-manual methods of creating and modifying CCG phrases are inefficient and error prone. The tool also provides a button, which can be activated by using input devices, for access to CCG phrase editing functions. The CCG editing functions consist of a means of extracting the CCG values from existing CCG phrases in the web page being edited, forms for entering and modifying the extracted CCG values, a layout view browser window for altering how the CCG-data displays (position, font size, face, colour, bold, normal, hiding or showing and so forth), a data view browser window to alter which CCG-data values are to be indexed or not indexed in search engine databases, and a means of deleting existing CCG phrases from web pages and inserting new or changed CCG phrases in web pages. Editing cursors marking the current location at which text and/or data may be inserted, deleted or modified are provided in each window and form.

In the current example, the web page initially contains no CCG phrase. Clicking the CCG editing function button of the authoring tool causes a form to appear. The form contains prompts related to CCG attribute names and associated data input fields related to the CCG attribute values associated with the CCG attribute names, that is CCG-data. The fields are blank because, in the web page layout view, the edit cursor is not over a CCG phrase (and can not be since the web page initially contains no CCG phrase). The service classifications relevant to the web age, John Williams physical business contact address, phone and fax numbers, email address and geographic location and his post office business contact addresses are entered into the forms using a keyboard and mouse. The developer, Alice Jamieson, also includes her basic contact details where provided for on the form. The forms use drop down lists to select address blocks (eg physical and post office) for editing. Logic associated with the forms validates the CCG attribute values and interdependencies. Input devices are then used to control the CCG-data layout view browser to modify the appearance of the CCG-data such as font size and colour and positioning. In the layout browser, input devices communicating with the edit cursor are used to highlight individual items and blocks of items to be changed. The post office address is highlighted as a block and moved into position in line with the physical address. The CCG-data view window is then used to check which data items are to be indexed by search engines. In this example all CCG-data (ie all CCG attribute values except display control values and database control values) are to be indexed. Input devices are used to control the edit cursor to highlight the entire data and a mouse is used to click (activate) a button to mark all the data for indexing. Then another button is clicked which builds an HML encoded CCG phrase of CCG attributes derived from the CCG-data values, display control values and database control values and inserts the CCG phrase in the web page at the location pointed to in the web page layout browser window.

The HTML code editing mode window was called up which revealed the following HTML encoded CCG phrase in the web page:

```
<XML>
<CCG>
    <INDEX/>
    <HIDE/>
    <CN>ANZSIC</CN>
    <CC>D36.11.45;Electrical contractors - residential</CC>
    <CC>D36.11.46;Electrical contractors - industrial</CC>
    <SHOW/>
    <CONTACT/> <COPYRIGHT/>
    <BUSINESS/>
    <XPOS>50</XPOS>
    <YPOS>320</YPOS>
    <ALIGN>centre</ALIGN>
    <SIZE>3</SIZE>
    <COLOR>black</COLOR>
    <FACE>Times New Roman</FACE>
    <BOLD/>
    <CLEAR>all</CLEAR>
    <TEXT>Contact :</TEXT>
    <PNC>Mr</PNC>
    <PNG>John</PNG>
    <PNF>Williams</PNF>
    <PQ>AIE</PQ>
```

```
<PA>ARUC</PA>
<NEWLINE/>
<PT>Managing Director</PT>
<NEWLINE/>
<ON>Kelso Electrical Pty. Ltd.</ON>
<NEWLINE/>
<NORMAL/> <ITALIC/>
<SIZE>-2</SIZE>
<TEXT>NSW License 45678C</TEXT>
<NEWLINE/>
<NORMAL/> <BOLD/>
<SIZE>+2</SIZE>
<AT>PHYSICAL</AT>
<AS#>18<AS#>
<ASN>Raglan Street<ASN>
<NEWLINE/>
<ACN>Kelso</CAN>
<NEWLINE/>
<ARN>NSW<ARN>
<NEWLINE/>
<HIDE/>
<ANN>Australia</ANN>
<NEWLINE/>
<SHOW/>
<TEXT>Phone:</TEXT>
<TT>PREFERRED ; VOICE ; MESSAGE</TT>
<HIDE/>
<TC#>61</TC>
<SHOW/>
<TT#>0</TT#>
<TA#>63</TA#>
<TL#>456-7828</TL#>
<TEXT>   Fax:</TEXT>
<TT>FACSIMILE</TT>
<HIDE/>
<TC#>61</TC#>
<SHOW/>
<TT#>0</TT#>
<TA#>63</TA#>
<TL#>456-7829</TL#>
<NEWLINE/>
<ET>INTERNET</ET>
<EA>johnw@firefly.com.au<EA>
<TEXT>  </TEXT>
<GLU>LatLong</GLU>
<GL>="33.3978S;148.5679E</GL>
<GLRU>Km</GLRU>
<GLR>30 </GLR>
<SET_SEPARATOR/>
<XPOS>250</XPOS>
```

```
<YPOS>320</YPOS>
<NEWLINE/>
<NEWLINE/>
<TEXT>Or write to us at :</TEXT>
<NEWLINE/>
<ON>Kelso Electrical Pty. Ltd.</ON>
<NEWLINE/>
<AT>POST-OFFICE</AT>
<AP#>P.O. Box 187</AP#>
<NEWLINE/>
<APN>Sunny Corner</APN>
<TEXT> </TEXT>
<APC>2795</APC>
<NEWLINE/>
<HIDE/>
<ANN>Australia</ANN>
<SET_SEPARATOR/>
<HIDE/>
<DEVELOPER/>
<BUSINESS/>
<PNG>Alice</PNG>
<PNF>Jamieson</PNF>
<ET>INTERNET</ET>
<EA>alijam@firefly.com.au</EA>
<IURL>http://www.firefly.com.au/~aljam/<IURL>
</CCG>
</XML>
```

In the web page layout browser window the CCG-data displayed as follows:

Contact :
Mr John Williams, AIE, ARUC,
Managing Director
Kelso Electrical Pty. Ltd.
NSW License 45678C
18 Raglan Street
Kelso
NSW
Phone: 063-456-7828 **Fax**: 063-456-7829
Email: johnw@firefly.com.au Map

Or write to us at:

Kelso Electrical Pty Ltd
P.O. Box 187
Sunny Corner 2795

Having encoded the web page in this way, Alice then posts it on the storage device of a digital computer connected to the Internet from where it can be retrieved through the Internet using the URL "http://www.firefly.com.au/~johnw/index.html"

Example 4: Constructing a Database from Web Pages Containing CCG-data

During a routine sweep of Internet connected web page servers, a web crawler (or robot) operating on a server named "ccg.search.com" executing on an Internet connected digital computer discovers the URL "http://www.firefly.com.au/~johnw/index.html" in a document it had previously retrieved through the Internet. The web crawler decides that the URL matches it's selection criteria because the URL contains the suffix ".html". The web crawler then

successfully retrieves the document by extracting from the URL the address of the computer hosting the document, addressing and sending a message (including the address of the web crawler) requesting the web page through the network to the web page host computer using TCP/IP protocol, the host computer then reads the document, addresses and sends the document to the web crawler using TCP/IP protocol, the web crawler then waiting until it has received all parts of the web page from the host computer before proceeding. It inspects the contents of the document and finds that it matches the additional selection criteria that it is an HTML encoded document. The web crawler program, depending on its state and logic, then parses the document, strips out and saves some or all of the URLs in the document for future examination. The web crawler program then passes the document, together with the URL of the document through a network communications channel to an indexing program executing on a different computer. The indexing computer has database updating software which manipulates a database stored on computer-readable media.

The indexing program parses the document, from first to last character, indexing some of the meta data in the <head> of the document and the words in the text of the document with respect to the document URL. In the database of this example, unique words extracted from the documents already indexed are held in separate rows of a column of a database table and in another column of the same table on each row is an associated pointer to the first bucket or block of URLs of documents containing the word associated with the pointer. As new words are found, the new word is added as a new row in the word column of the table, a new bucket is created, the URL of the document containing the new word is inserted into the bucket and a pointer to the new bucket is written in the new row pointer column. When the same word is found in another document, the row in the table of the word is found, the pointer is retrieved from the table, the bucket pointed to by the pointer is retrieved and the URL of the other document is inserted in the bucket. Where a bucket becomes full of URLs, a new bucket is created and a pointer to the new bucket for holding additional URLs is placed in the full bucket. Deletion of words and URLs of changed or no longer existing documents is also provided for.

In addition to indexing words extracted from the text of the document, the indexing program also indexes the CCG-data in the document as well as indexing words found in the CCG-data. When the parser finds HTML element "<XML>" in the document it switches into XML parsing mode and switches out of that mode when "</XML> is found. When the element "<CCG>" is found, the parser switches into the CCG parsing mode and switches out of that mode when "</CCG>" is found.

The example database has a CCG-data attribute name to database property name correspondence table to show the relationship between the CCG-data attribute names and the database tables and columns (properties) where the CCG-data attribute values are to be stored in the database as database property values. The database property values and associated URLs are stored in much the same way as for words extracted from text as outlined above. However, CCG contact data, for example, which consists of several distinct CCG-data attributes which are related (eg street name, city), is stored in a database table having a column (property) related to each distinct CCG contact attribute name and each separate CCG contact data set (eg person's name, address, telephone number) as separated by "<CCG>", "<SET_SEPARATOR>" and "</CCG>" is held in a separate row in the table. The values stored in each row are considered to be a set of associated property values of different types.

The indexing program, during parsing the document of Example 2 above, encounters the "<CCG>" element and enters the CCG parsing mode. The parser knows to ignore display control attributes and to consider database control elements in the CCG phrase. The example indexing program opts to index all other CCG-data contained in the attribute values until explicitly instructed not to index the attribute values by encountering the "<NOINDEX/>" database control element and then to recommence indexing when the "<INDEX/>" database control element is encountered.

Taking each CCG-data attribute name and associated attribute value(s) in succession, the example indexing program uses the correspondence table to translate the CCG-data attribute name to the database table and column (property) names where the CCG-data attribute value(s) are to be stored as database property value(s). The indexing program may opt to translate the CCG-data attribute values to database property values by, for example, converting character strings of digits to binary encoded decimal representation, the string "True" to a single bit representation and the like. The indexing program then adds or updates the database property value(s), using the database table and column (property) names (or similar references) obtained by translation, in much the same manner as outlined above for the update of the database using words extracted from the document text, including associating the data to the document URL where desired. Where the CCG-data contains a "HREF" attribute (or similar), the URL associated with the other CCG-data is a URL taken from the "HREF" attribute value or composed of the document URL and the "HREF" attribute value if the attribute value is a partial or relative URL. Some CCG attributes, such as "<BUSINESS/> have only an implied value of true if the attribute is present and false if the attribute is absent, the "<SET_SEPARATOR/>", "<CCG>" and "</CCG>" resetting such values to false. However, where attribute value(s) associated with different attribute names are still related, such as a person's name and a street name, the related values of different types are stored on the same row of the same database table but in a different column (database property) to preserve the relationship. "<SET_SEPARATOR/>" limits the degree of relatedness between, for example, a person's name occuring before the separator and a street name occuring after the separator. Using the example document and using the same database column (property) names as used for the CCG-data attribute names a portion of the table constructed database table would look like:

	PNC	PNG	PNF	PQ	PA	PT		URL
...	...	...	...	...	...	...	...	...
...	Mr	John	Williams	AIE	ARUC	Managing Director	...	(pointer)
...	...	...	...	...	...	...	...	...

Difficulties not highlighted by this example are the need to handle properties having multiple values of the same type, "sparse rows" where only a few values are not null (blank) and tables with extremely large numbers of rows. For example, the CCG-data of this example could have contained multiple values of personal qualifications ("PQ"). To represent this type of data using a 2 dimensional table database system, the database would be "normalised" so that the multiple values were stored in a separate table and keys or pointers were used to relate the relate the items in the two tables. Numerous alternate database systems, for example those based on key hashing and data buckets, or tagging data values with prefixes or suffixes related to the type of data value may be used. Preferably, however, whatever database system is used, it should preserve the associations of CCG-data items present in the CCG phrases.

Because the geographic location data was missing from the postal address of the CCG-data in the example document, but a post code was present, the indexing program inferred the geographic location from the post code.

Example 6: Finding Web Page References Using a CCG Database

As an example, Kevin Robson lives in Sydney but owns and has rented out a house in Bathurst. He wants to use the web to find some electricians based in the general Bathurst region (not only in Bathurst City) to contact for estimating the cost of modifying the wiring in the house. He uses his web browser to open the web page "http://www.ausline.com.au/web_search.html" containing AusLine's search engine web page search criteria input form encoded using the HTML "<form>" element.

The search criteria input form contains several input fields including those labelled "Service classification", "Key words", "City./Suburb/Town", "Country", "Lat/Long" and "Radius". The form also displays a button labelled "Map" to allow latitude and longitude to be selected by pointing to map images. The word "electrician" is typed into the "Service classification" field, "house wiring" into the "Keywords" field, "Bathurst" into the "City/Suburb/Town" field and "10" into the field "Radius". The country "Australia" was already showing in the country field because the web page server had received cookie data from the browser indicating that that was the country used when the browser last used the web page. The "submit search" button on the web page was clicked. The browser transmitted a message using TCP/IP protocol to the AusLine server containing the input field values encoded in the header of the message.

After a short delay, the search result HTML encoded web page was returned. Clicking on the "Service classification" input field drop down list box to check the classifications used in the search revealed three items:

- Electrical contractors - residential
- Electrical contractors - industrial
- Electrical engineers

The search engine attached to the server obtained those classifications by using word stemming and searching the text of the service classifications held in it's database. The Lat/Long field contained the value "33.3856S;148.5743E" which the search engine obtained by looking up the latitude and longitude of the town "Bathurst" in the country "Australia" in it's database. Clicking on the "Map" button retrieved a web page having the image of a map centred on the town of Bathurst and showing the area 20 Km around it. The search engine obtained the map by making a request to another Internet connected server and supplying the latitude, longitude and radius. Clicking on the browser "Back" button returned to the search results page.

The search results contained 8 titles, brief descriptions and URLs including a reference containing the URL "http://www.firefly.com.au/~johnw/index.html". Retrieving each in turn revealed that all were well focused according to the search criteria being related to electricians, electrical contractors and engineers in the Bathurst area. The search engine obtained these references to web pages by:

- searching it's database of service classification titles with words stemming from "electrician" which resulted in three service classification codes,
- searching it's database using the three service classification codes to obtain an intermediate list of URLs of web pages containing those CCG codes

- searching it's database for the two keywords to obtain an intermediate list of URLs of web pages containing those words in the web page text,
- Searching it's database to find the latitude and longitude of Bathurst, Australia,
- searching it's database to obtain an intermediate list of web pages which contain latitude and longitude data lying within 10 Km of the latitude and longitude of Bathurst, Australia,
- producing as a result list, a list of URLs which are common to all the intermediate lists,
- obtaining from it's database the title and brief description of the web pages,
- formatting the titles, descriptions and URLs into an HTML encoded report,
- transmitting the report to the enquiring web browser.

Example 7: Finding Contact Details Using a CCG Database

As an example, Jim Jones of Jones and Sons wants to send a recall notice about a faulty batch of UV stabilised electrical power cable to all Electrical contractors and Electrical wholesalers in Australia who have email addresses. He uses his web browser to open the web page "http://www.ausline.com.au/contact_search.html" containing AusLine's search engine contact search criteria input form encoded using the HTML "<form>" element.

The search criteria input form contains several input fields including those labelled "Service classification", "Country" and "Output format". The word "electric*" is typed into the "Service classification" field, the word "Australia" is typed into the "Country" field and the "Tabular - Name & Email" option in the "Output format" drop down list box is selected. The "Submit search" button on the web page is clicked. The browser transmits a message using TCP/IP protocol to the AusLine server containing the input field values encoded in the header of the message.

After a short delay, the search result HTML encoded web page is returned. Clicking on the "Service classification" input field drop down list box to check the classifications used in the search revealed too many classifications for the result to be sufficiently focused. The following four classifications were selected from the list:

- Electric cable - ducting systems
- Electrical contractors - residential
- Electrical contractors - industrial
- Electrical wholesalers

and the "Submit search" button is pressed again to refine the search.

The search results contained 3,473 names and associated email addresses and URLs to full contact details. Jim saved the search result page on his computer so that he could use his email program to send the recall notice to each email address in the list. The email address "johnw@firefly.com.au" was included in the list.

The search engine obtained these references to web pages by:

- searching it's database using the four service classification titles which resulted in four service classification codes,
- searching it's database using the four service classification codes to obtain an intermediate list of database primary keys of database table rows containing those service classification codes in the database Service classification attribute,
- searching it's database using the country name "Australia" to obtain an intermediate list of database primary keys of database table rows containing that word in the database Country attribute,

- producing as a result list, a list of database primary keys which are common to both the intermediate lists,
- obtaining from it's database using the result list the values of the name and email attributes,
- using the HTML <table> element to format the name values, email values and full detail URLs into an HTML encoded report,
- transmitting the report to the enquiring web browser.

This example relates to finding sets of associated database contact values without requiring references to web pages. However, finding other sets of associated database values such as sets of associated industry classification values and geographic location values might also be useful for some purposes.

Thus it is appreciated that the afore stated goals, advantages and objectives are achieved by the teachings herein. In particular it is seen that, unlike the prior art, efficiently searchable Yellow pages and White pages databases and the like may be automatically constructed from HTML encoded web pages. Additionally the database entries may be automatically linked to specific web pages and portions of web pages allowing convenient methods of indexing of product and service catalogues and the like. It is also appreciated that simpler methods of constructing databases suited to a variety of other uses such as industry and subject directories are also provided.

From the foregoing teachings and with the knowledge of those skilled in the art, it is apparent that other modifications and adaptations of the invention will become apparent. For example, the method steps disclosed and claimed herein may be practiced in a variety of different orders. CCG-data may take on a variety of different forms within the meaning of the claims. Thus, it is our intention to include within the scope of the claims not only the invention literally embraced by the language of the claims but to include all such modifications and adaptations which may come to those skilled in the art.

What I claim is:

1. An HTML encoded web page embodied on a computer-readable medium, said web page comprising at least one HTML encoded CCG phrase, each CCG phrase comprising:
   a) HTML code indicative of the start of a CCG phrase,
   b) at least one CCG-data attribute, and
   c) HTML code indicative of the end of a CCG phrase.

2. An HTML encoded web page embodied on a computer-readable medium, said web page comprising at least one HTML encoded CCG phrase, each CCG phrase comprising:
   a) HTML code indicative of the start of a CCG phrase,
   b) at least two CCG-data attributes,
   c) at least one database control attribute separating said CCG-data attributes into at least two sets of CCG attributes, and
   d) HTML code indicative of the end of a CCG phrase.

3. An HTML encoded web page embodied on a computer-readable medium, said web page comprising at least one HTML encoded CCG phrase, each CCG phrase comprising:
   a) HTML code indicative of the start of a CCG phrase,
   b) at least one CCG-data attributes,
   c) at least one attribute of: database control attributes, display control attributes; and
   d) HTML code indicative of the end of a CCG phrase.

4. A computer implemented method of building a web page comprising at least one HTML encoded CCG phrase, the method comprising the steps of:
   a) displaying a web page on a computer display device,
   b) displaying an edit cursor indicating a character position on said display device and a corresponding character position in said web page, said edit cursor being positionable within the display of said web page by use of computer input devices,
   c) separately displaying on said computer display device a set of edit controls representing CCG-data attribute types,
   d) positioning said edit cursor within said display of said web page using said input devices,
   e) selecting an edit control from said set of edit controls using said input devices,
   f) relating said selected edit control to a corresponding CCG-data attribute name,
   g) constructing a CCG-data attribute character string comprising a character string representing said attribute name and another character string representing an empty CCG-data value,
   h) if the said edit cursor is positioned outside a CCG phrase,
      i) inserting into said web page, at the character position indicated by said edit cursor, a start character string comprising HTML code indicative of the start of a CCG phrase,
      ii) inserting into said web page, immediately after the end of said start character string, an end character string comprising HTML code indicative of the end of a CCG phrase, and
      iii) positioning said edit cursor between said start and end character strings,

i) inserting said CCG-data attribute character string into said web page at the character position indicated by said edit cursor,

j) positioning said edit cursor at the character position in said web page of the CCG-data value of said inserted CCG-data attribute character string,

k) inputting characters using a keyboard,

l) inserting said input characters into said web page at the character position indicated by said edit cursor, thereby converting said empty CCG-data value to a non-empty CCG-data value, and

m) writing said web page on computer-readable media.

5. A computer implemented method of building a web page comprising at least one HTML encoded CCG phrase, the method comprising the steps of:

a) displaying a web page on a computer display device,

b) displaying a start edit cursor and an end edit cursor on said display device, each said edit cursors indicating a character position on said display device and a corresponding character position in said web page, said edit cursors being positionable within the display of said web page by use of computer input devices,

c) separately displaying on said computer display device a set of edit controls representing CCG-data attribute types,

d) selecting a string of web page characters on said display device using said input devices to position said start edit cursor to indicate the start said string of web page characters and said end edit cursor to indicate the end of said string of web page characters,

e) selecting an edit control from said set of edit controls using said input devices,

f) relating said selected CCG-data control to a corresponding CCG-data attribute name,

g) constructing a CCG-data attribute character string comprising a character string representing said attribute name and another character string representing a CCG-data value containing said string of web page characters,

h) deleting said string of web page characters from said wen page,

i) if the said start edit cursor is positioned outside a CCG phrase,

i) inserting into said web page, at the character position indicated by said start edit cursor, a start character string comprising HTML code indicative of the start of a CCG phrase,

ii) inserting into said web page, immediately after the end of said start character string, an end character string comprising HTML code indicative of the end of a CCG phrase, and

iii) positioning said start edit cursor between said start and end character strings,

j) inserting said CCG-data attribute character string into said web page at the character position indicated by said start edit cursor, thereby converting said string of web page characters to a CCG-data attribute value contained within a CCG-data attribute contained within CCG-phrase, and

k) writing said web page on computer-readable media.

6. A computer implemented method of building a web page comprising at least one HTML encoded CCG phrase, the method comprising the steps of:

a) displaying a CCG-data input form on a computer display device,

b) inputting CCG-data values into fields of said data input form using computer input devices,

c) inserting into the body of a web page a start character string comprising HTML code indicative of the start of a CCG phrase,
d) inserting into said web page body immediately after the end of said start character string an end character string comprising HTML code indicative of the end of a CCG phrase,
e) extracting successive field values from said data entry form together with related field value type information,
f) relating the type of each extracted field value to a corresponding CCG-data attribute name,
g) constructing a CCG-data attribute character string comprising a character string representing said attribute name and another character string representing said field value,
h) inserting said CCG-data attribute character string into said web page between said start and end character strings.
i) writing said web page on computer-readable media.

7. A computer implemented method of building a database which comprises sets of associated property values wherein each set includes at least two property values of different types, the property values being any of classification values, contact values, geographic location values, hereinafter collectively referred to as CCG-data, the method comprising the steps of:
a) retrieving successive web pages from a computer network, each web page being identified by a URL,
b) searching each web page for a CCG phrase that includes a plurality of different types of CCG-data attributes,
c) extracting a plurality of said attributes from said phrase,
d) from each extracted attribute, deriving an attribute name and a related attribute value,
e) determining the type of said extracted attribute and said attribute value by reference to said attribute name,
f) relating said type of attribute value so determined to a corresponding type of database property value,
g) relating the URL of said web page to an other type of database property value,
h) writing said derived attribute value to the database property value of said determined corresponding type in a set of associated property values, and
i) writing the URL of said web page to a database property value of said other type in said set of associated property values.

8. A computer implemented method of building a database which comprises sets of associated property values wherein each set includes at least two property values of different types, the property values being any of classification values, contact values, geographic location values, hereinafter collectively referred to as CCG-data, the method comprising the steps of:
a) retrieving successive web pages from a computer network, each web page being identified by a URL,
b) searching each web page for a CCG phrase that includes at least one type of CCG-data attribute,
c) extracting at least one said attribute from said phrase,
d) from each extracted attribute, deriving an attribute name and a related attribute value,

e) determining the type of said extracted attribute and said attribute value by reference to said attribute name,
f) relating said type of attribute value so determined to a corresponding type of database property value,
g) relating the URL of said web page to an other type of database property value,
h) writing said derived attribute value to the database property value of said determined corresponding type in a set of associated property values, and
i) writing the URL of said web page to a database property value of said other type in said set of associated property values.

9. A computer implemented method of building a database which comprises sets of associated property values wherein each set includes at least two property values of different types, the property values being any of classification values, contact values, geographic location values, hereinafter collectively referred to as CCG-data, the method comprising the steps of:
a) retrieving successive web pages from a computer network,
b) searching each web page for a CCG phrase that includes a plurality of different types of CCG-data attributes.
c) extracting a plurality of said attributes from said phrase,
d) from each extracted attribute, deriving an attribute name and a related attribute value,
e) determining the type of said extracted attribute and said attribute value by reference to said attribute name,
f) relating said type of attribute value so determined to a corresponding type of database property value, and
g) writing said derived attribute value to the database property value of said determined corresponding type in a set of associated property values.

10. A computer implemented method of finding references to web pages posted on computer network the method using a database comprising sets of associated property values, the property values being any of classification values, contact values, geographic location values, hereinafter collectively referred to as CCG-data, and URL references, the method comprising the steps of:
a) receiving a query phrase including query relational expressions from a computer network,
b) parsing said query phrase and extracting each of said query relational expressions included therein,
c) from each extracted query relational expression, deriving a query field name,
d) determining the type of said query relational expression by reference to its derived query field name,
e) relating said type of query relational expression so determined to one of the following query relational expression types: CCG-data type, other type,
f) provided said query relational expression is a CCG-data type, deriving a query relational operator and query value related to its query field name from said query relational expression,
g) determining the type of said query value by reference to said query field name,
h) relating said type of query value so determined to a corresponding type of database property value,

i) locating database property values of said determined corresponding type which return a true value when tested against said query value using said query relational operator,

j) extracting from said database a list of the URL references associated with the so located database property values,

11. A computer implemented method of finding sets of associated database property values the method using a database comprising sets of associated property values wherein each set includes at least two property values of different types, the property values being any of classification values, contact values, geographic values, hereinafter collectively referred to as CCG-data, the method comprising the steps of:

a) receiving a query phrase including query relational expressions from a computer network,

b) parsing said query phrase and extracting each of said query relational expressions included therein,

c) from each extracted query relational expression, deriving a query field name,

d) determining the type of said query relational expression by reference to its derived query field name,

e) relating said type of query relational expression so determined to one of the following query relational expression types: CCG-data type, other type,

f) provided said query relational expression is a CCG-data type, deriving a query relational operator and query value related to its query field name from said query relational expression,

g) determining the type of said query value by reference to said query field name,

h) relating said type of query value so determined to a corresponding type of database property value,

i) locating database property values of said determined corresponding type which return a true value when tested against said query value using said query relational operator,

j) extracting from said database sets of associated database property values associated with the so located database property values.

12. A method of displaying a web page comprising at least one HTML encoded CCG phrase, the method comprising the steps of:

a) retrieving a web page from a computer network,

b) parsing said retrieved web page to locate an HTML code indicative of the start of a CCG phrase,

c) parsing said located CCG phrase and extracting successive CCG attributes contained therein until an HTML code indicative of the end of said CCG phrase is found,

d) from each extracted attribute, deriving an attribute name,

e) determining the type of said extracted attribute by reference to its derived attribute name,

f) relating said type of attribute so determined to one of the following attribute types: database control, display control, CCG-data,

g) provided said extracted attribute is not a database control type, deriving an attribute value related to its attribute name from said extracted attribute,

h) determining the type of said attribute value by reference to said attribute name,

i) relating said type of attribute value so determined to a corresponding type of parameter of a display-device-control-program,

j) writing said attribute value to said parameter, and

k) where said type of attribute is a CCG-data type, causing said display-device-control-program to effect display of said attribute value on a display device, formatted and positioned according said display-device-control-program parameters whereby successive values of CCG-data of the CCG phrase are displayed.

ABSTRACT

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 the Internet or Intranets. The web pages containing HTML, XML or SGML encoded CCG-data, database update controls and web browser display controls are created and modified by using simple text editors, HTML, XML or SGML editors or purpose built editors. The CCG 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.

Electronic Acknowledgement Receipt

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Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	16-JAN-2009
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Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDSEQUI0016.pdf	266042 2d2b72abc27b113c65ff0ec1dd8eba7a082f218a	yes	6

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	1
	Information Disclosure Statement Letter	2	3
	Information Disclosure Statement (IDS) Filed (SB/08)	4	6

Warnings:					
Information:					
2	Foreign Reference	35-EP0747842.pdf	57085 579d981aa245d123c4ef8797b57df37b6b98761c	no	27
Warnings:					
Information:					
3	Foreign Reference	36-EP0782085.pdf	48053 b7a04870cf618c91c596ed001b25bce1ec4f2957	no	18
Warnings:					
Information:					
4	Foreign Reference	37-EP0818907.pdf	57760 9329e15287de43b1a7efcbffd9fa3f54df51ee91	no	8
Warnings:					
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5	Foreign Reference	38-EP0843276.pdf	57627 07df81256d5f7f6cd72a6d0ce49803ebdc0a1d1b	no	42
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6	Foreign Reference	39-EP0876034.pdf	55311 8a35db4bfe4396e0687f8e7258604b1b053d9496	no	16
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7	Foreign Reference	40-EP0883068.pdf	50087 2417e7cff254fc14b10a4b8778ee35aeb6b69164	no	22
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8	Foreign Reference	41-EP0886409.pdf	46649 851cd17c61cf45e53ebc6070cc6afc9e299ee994	no	28
Warnings:					

Information:					
9	Foreign Reference	42-EP0895171.pdf	2457081 061dc0960c9eb4c587a2f20856ec71aac4d588d8	no	39
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10	Foreign Reference	43-EPO926607.pdf	3783168 82f99a0149416291f9775b3e6a903a8202ac47b0	no	74
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12	Foreign Reference	45-WO98-40842.pdf	3996847 f631e807a428f3eb336305478b1ce88ffbff0020	no	118
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13	Foreign Reference	46-WO98-43177.PDF	1839850 054919e44072c80d458b1a87557159880acbaef1	no	46
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14	Foreign Reference	47-WO97-49252.pdf	1511607 7bfa5f299ba517e99c8f27e90c68e0efe07676b3	no	50
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15	Foreign Reference	48-AUA53031-98.pdf	1705632 410c5e3f5665f1ac14f8282911acfdba41cf54a1	no	32
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16	NPL Documents	A-Sakaguci-ABrowsingTool.PDF	494426 1d96d1dc1240a3508d5539ad0bc687b614dae8fd	no	9
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17	NPL Documents	B-Zaiane-MiningMultimediaData.pdf	1370264 564270bf9ee4122477794da53486be356ccdad6d	no	19
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18	NPL Documents	C-Bulterman-ModelsMediaAndMotion.PDF	690629 0345df97b463fa006f0df427272df739d9fad73d	no	12
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19	NPL Documents	D-Mohler-MigratingCourseMaterials.PDF	77628 7f940080689bd2c8d05a89945320fcabae8e32e6	no	2
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21	NPL Documents	F-Berinstein-TheBigPicture.PDf	526864 055c120228c026c7ce046cec7039c80a2b8b6968	no	11
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23	NPL Documents	H-GeoSciences-TableOfContents.PDF	45795 c41562a3bd6be90a4d9142499ca7dbeb799677e2	no	2
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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
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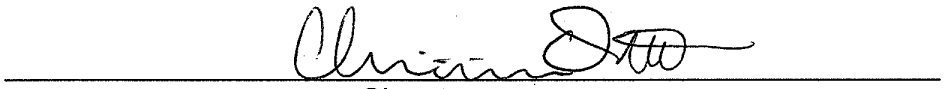
ELECTRONIC TRANSMITTAL COVER SHEET

Application Serial No. 12/173,747 Attorney Docket No. EQUI0016

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- Information Disclosure Statement (2 pages);
- 1449 (3 pages); and
- Cited References

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

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Title: Automated Media Delivery System

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NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

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Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	Art Unit: 2443
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
	1	5,442,771	8/1/1995	Filepp, et al.	
	2	6,484,149	11/1/2002	Jemmes, et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature:_____ Date:_____

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.

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Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	15-APR-2009
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Application Type:	Utility under 35 USC 111(a)

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDSEQUI0016.pdf	142644 df6c58b606fb704b71e8e83203cfa462ee69a754	yes	4

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	1
	Transmittal Letter	2	3
	Information Disclosure Statement (IDS) Filed (SB/08)	4	4
Warnings:			
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

ELECTRONIC TRANSMITTAL COVER SHEET

Application Serial No. 12/173,747 Attorney Docket No. EQUI0016

I hereby certify that this correspondence is being ELECTRONICALLY TRANSMITTED to the United States Patent and Trademark Office

From: GLENN PATENT GROUP
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Fax: (650) 474-8401

on April 15, 2009.
Date



Signature

Christine Ortt

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Attached to this cover sheet please find the following documents:

- Information Disclosure Statement (2 pages);
- 1449 (1 page)

This collection of information is required by 37 CFR 1.8. 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 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2443
Confirmation Number	:	7377
Examiner	:	Unassigned
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

April 15, 2009

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Examiner:

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 $180.00 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 $180.00 fee under 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. EQUI0016).

(X) Applicant(s) submit herewith PTO Form 1449 (Modified) -- 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 (Modified), 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 Form 1449 (Modified) and is enclosed herewith.

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

Respectfully Submitted,

Michael A. Glenn
Reg. No. 30,176

Customer No. 22862

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	EQUI0016	7377

22862 7590 04/16/2010

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

EXAMINER	
MURPHY, CHARLES C	
ART UNIT	PAPER NUMBER
2441	

NOTIFICATION DATE	DELIVERY MODE
04/16/2010	ELECTRONIC

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

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eptomatters@glenn-law.com

Office Action Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2441	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 *15 July 2008*.

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) *1-23* is/are pending in the application.

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

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-23* is/are rejected.

7)☐ Claim(s) _____ 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 *15 July 2008* 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).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ 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.

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/SB/08) Paper No(s)/Mail Date *04/15/2009 and 01/16/2009*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This communication is in response to application file on 07/15/2008 in which claims 1- 23 are presented for examination.

Information Disclosure Statement

The information disclosure statements (IDS) submitted were filed on 04/15/2009 and 01/16/2009. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. **Claims 1-3, 5-7, 9-13, 15-18, 19-20, and 22-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)**

2. Regarding claim 1, **Krishnaswamy** teaches a method for simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device (**Krishnaswamy** teaches converting said data to a format different from the first format, and sending the converted data to another device3) **(Krishnaswamy, col. 135, lines 22-35)**

3. Regarding claims 2, **Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

4. Regarding claims 3, **Krishnaswamy** further teaches the method of claim 1, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format. (**Krishnaswamy** teaches receiving analog video to be converted.

The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

5. Regarding claims 5, **Krishnaswamy** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device. (**Krishnaswamy** transmitting video to clients which display the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

6. Regarding claims 6, **Krishnaswamy** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

7. Regarding claims 7, **Krishnaswamy** further teaches the method of claim 1, comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats

including MPEG or H.263 which is then transmitted to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

8. Regarding claims 9 **Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a service provider. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

9. Regarding claims 10 **Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a local content source. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

10. Regarding claim 11, **Krishnaswamy** teaches a system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches receiving video to be converted into a second

format. This video data is received and converted by a server) **(See Fig. 19D) (Krishnaswamy, col. 135, lines 5-15, and lines 22-35)**

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device. (**Krishnaswamy** teaches converting the multimedia data into another format and transmitting said data to various client devices by a server.) **(See Fig. 19D) (Krishnaswamy, col. 135, lines 5-15, and lines 22-35)**

11. Regarding claims 12 **Krishnaswamy** further teaches the system of claim 11, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

12. Regarding claims 13 **Krishnaswamy** further teaches the system of claim 11, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The

video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

13. Regarding claims 15 **Krishnaswamy** further teaches the system of claim 11, wherein:

said output device comprises a display device. (**Krishnaswamy** transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

14. Regarding claims 16 **Krishnaswamy** further teaches the system of claim 11, wherein:

said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

15. Regarding claims 17 **Krishnaswamy** further teaches the system of claim 11, wherein:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be transcoded. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted

to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

16. Regarding claim 19 **Krishnaswamy** teaches a computer-readable medium comprising:

receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)** (**Krishnaswamy** also teaches implementing the invention using software executed on hardware) **(Krishnaswamy, cols. 74 -78)**

transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device. (**Krishnaswamy** teaches converting said data to a format different from the first format, and sending the converted data to another device3) **(Krishnaswamy, col. 135, lines 22-35)**

17. Regarding claims 20 **Krishnaswamy** further teaches the computer-readable medium of claim 19, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)** (**Krishnaswamy** also teaches transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

18. Regarding claims 22 **Krishnaswamy** further teaches the computer-readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

19. Regarding claims 23 **Krishnaswamy** further teaches the computer-readable medium of claim 19, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The

video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

Claim Rejections - 35 USC § 103

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.

20. Claims 4, 8, 14, 18, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

21. Regarding claim 4, **Krishnaswamy** does not explicitly teach:

said transcoding comprises at least one of: changing a resolution of said multi-media data, changing a frame rate of said multimedia data or changing a compression format of said multi-media data.

However, **Krishnaswamy** does teach:

receiving analog video to be converted. This video can be transcoded into various digital formats including the MPEG digital video format or H.263. **(Krishnaswamy, col. 135, lines 22-35)**

It would be obvious to one of ordinary skill in the art at the time of the invention to realize that converting between an analog format to a digital format changes various aspects of a video signal such as the compression as in the use of converting analog video signals into the MPEG video digital video format.

22. Regarding claim 8, **Krishnaswamy** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Krishnaswamy** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

23. Regarding claim 14 **Krishnaswamy** does not explicitly:

said transcoder changes at least one of: a resolution of said multi-media data, a frame rate of said multi-media data or a compression format of said multi-media data.

However, **Krishnaswamy** does teach:

receiving analog video to be converted. This video can be transcoded into various digital formats including the MPEG digital video format or H.263. **(Krishnaswamy, col. 135, lines 22-35)**

It would be obvious to one of ordinary skill in the art at the time of the invention was made to realize that converting between an analog format to a digital format changes various aspects of a video signal such as the compression as in the use of converting analog video signals into the MPEG video digital video format.

24. Regarding claim 18 **Krishnaswamy** does not explicitly teach:

said external device comprises a portable media player.

However, **Krishnaswamy** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

25. Regarding claim 21 **Krishnaswamy** does not explicitly teach :

said transcoding comprises at least one of: changing a resolution of said multi-media data, changing a frame rate of said multi-media data or changing a compression format of said multi-media data.

However, **Krishnaswamy** does teach:

receiving analog video to be converted. This video can be transcoded into various digital formats including the MPEG digital video format or H.263. **(Krishnaswamy, col. 135, lines 22-35)**

It would be obvious to one of ordinary skill in the art at the time of the invention was made to realize that converting between an analog format to a digital format changes various aspects of a video signal such as the compression as in the use of converting analog video signals into the MPEG video digital video format.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is (571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2441
4/14/2010

/Wing F. Chan/
Supervisory Patent Examiner, Art Unit 2441

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2441	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
	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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2441

SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/CHARLES MURPHY/ Examiner.Art Unit 2441	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2441

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	04/06/2010								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
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	23	✓								

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Bib Data Sheet

CONFIRMATION NO. 7377

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/173,747	07/15/2008 RULE	709	2441	EQUI0016

APPLICANTS

Sean Barger, Mill Valley, CA;
Steve Johnson, Mill Valley, CA;
Matt Butler, Beaverton, OR;
Jerry Destremps, Sausalito, CA;
David Pochron, Cambridge, WI;
Trent Brown, San Anselmo, CA;

**** CONTINUING DATA **************************

This application is a DIV of 11/269,916 11/07/2005 ABN which is a CIP of 09/929,904 08/14/2001 PAT 6,964,009
which is a CON of 09/425,326 10/21/1999 PAT 6,792,575

**** FOREIGN APPLICATIONS *********************

IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY **
** 07/23/2008

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

ADDRESS
22862

TITLE

Automated Media Delivery System

FILING FEE RECEIVED		
575	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

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	~~Art Unit: 2443~~ 2441
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
/C.M./	1	5,442,771	8/1/1995	Filepp, et al.	
/C.M./	2	6,484,149	11/1/2002	Jemmes, et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature: /Charles Murphy/ Date: 04/06/2010

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.

tanceForm 1449 (Modified)	Atty. Docket No.	Serial No.:
	EQUI0016	12/173,747
Information Disclosure Statement By Applicant	**Applicant:** Sean Barger, et al.	
	Filing Date:	**Group:** 2443
(Use Several Sheets if Necessary)	July 15, 2008	**Confirmation No:** 7377

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub-class	Filing Date
/C.M./	1	5,088,052	Feb-92	Spielman, et al.			
/C.M./	2	5,355,472	Oct-94	Lewis			
/C.M./	3	5,530,852	Jun-96	Meske, Jr., et al.			
/C.M./	4	5,701,451	Dec-97	Rogers, et al.			
/C.M./	5	5,708,845	Jan-98	Wistendahl, et al.			
/C.M./	6	5,710,918	Jan-98	Lagarde, et al.			
/C.M./	7	5,737,619	Apr-98	Judson			
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/C.M./	9	5,758,110	May-98	Boss, et al.			
/C.M./	10	5,761,655	Jun-98	Hoffman, Michael T.			
/C.M./	11	5,793,964	Aug-98	Rogers, et al.			
/C.M./	12	5,819,261	Oct-98	Takahashi, et al.			
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Published U.S. Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation Yes	Translation No

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation Yes	Translation No
/C.M./	35	EP 0747842	12/11/1996	International Business Machines Corp.				
/C.M./	36	EP 0782085	7/2/1997	International Business Machines Corp.				
/C.M./	37	EP 0818907	1/14/1998	AT&T Corp				
/C.M./	38	EP 0843276	5/20/1998	Canon Information Systems Inc				
/C.M./	39	EP 0876034	11/4/1998	International Business Machines Corp.				
/C.M./	40	EP 0883068	12/9/1998	Home Informaiton Services, Inc.				
/C.M./	41	EP 0886409	12/23/1998	Digital Vision Laboratories Corporation				
/C.M./	42	EP 0895171	2/3/1999	Neoforma, Inc.				
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/C.M./	46	WO 98/43177	10/1/1998	Intel Corp				
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/C.M./	48	AU-A-53031/98	8/27/1996	Dudley, John Mills				

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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/C.M./	A	Sakaguchi, et al.; " A browsing tool for multi-lingual documents for users without multi-lingual fonts"; 1996; ACM International Conference On Digital Libraries, pp. 63-71
/C.M./	B	Zaiane, et al.; "Mining multimedia data"; Nov. 1998; ACM Conference of the Center for Advanced Studies on Collaborative research, pp. 1-18
/C.M./	C	BULTERMAN, DICK.C.A.; Models, Media and Motion: Using the Web to Support Multimedia Documents; Proceedings of 1997 Intnl Conf on Multimedia Modeling; p. 17-20; November 1997; SINGAPORE
/C.M./	D	MOHLER, J.L.; Migrating Course Materials to the World Wide Web: A Case Study of the Department of Techinal Graphics at Purdue University; Computer Networks and ISDN Systems; Vol. 30, Issues 20-21, p,1981-1990; November 12, 1988

/C.M./	E	DOBSON, R.; Animating Your Web Pages with Direct Animation; Web Techniques; vol.3, no. 6, p. 49-52; June 1998
/C.M./	F	BERINSTEIN, Paula; "The Big Picture; Text and Graphics on UMI's ProQuest Direct: The Best (Yet) of Both Words"; March 1997; retrieved on 3/23/04 from website: http://www.infotoday.com/online/MarOL97/picture3.html
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/C.M./	H	Tables of Contents service for Computers & Geosciences; Copyright 1997; Computers and GeoSciences, Volume 23, Issue 5, retrieved on 3/18/04 from website: http://library.iem.ac.ru/comp&geo/00983004/sz977014.html

Examiner's Signature /Charles Murphy/ Date 04/06/2010

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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 14:25
L3	1	1 client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:44
L4	1	1 computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:48
L5	0	1 computer same prefered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
L6	0	1 computer same preffered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
L7	0	1 computer same preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
L8	0	1 computer same perferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52

L9	0	1 computer same embodiement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
L10	0	1 computer with preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
L11	0	1 computer and preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S1	66	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:10

IPR2023-00330 Page 00552

		OR US-5903892-$.DID. OR US-5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID.				
S2	4	US-5442771-$.DID. OR US-6484149-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:11
S3	70	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:42
S4	0	S3 (transcod$3 same concurrent or simultaneous$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S5	0	S3 (transcod$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S6	2	S3 (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:44
S7	155	((transcod$3) same (format) same (analog or wav)) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/01 15:27

S8	53	((transcod$3) same (format) same (analog or wav)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/01 15:27

4/6/2010 4:42:35 PM
C:\Documents and Settings\cmurphy1\My Documents\EAST\Workspaces\12173747.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Sean Barger
Serial No.:	12/173,747
Filed:	July 15, 2008
Art Unit:	2441
Confirmation Number:	7377
Examiner:	Charles C. Murphy
Title:	Automated Media Delivery System
Attorney Docket No.:	EQUI00016

July 15, 2010

Mail Stop: Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Applicant submits this Response to the Office Action dated April 16, 2010 in connection with the above-identified patent application.

A **Listing of Claims** begins on Page 2 of this paper, and
Remarks begin on Page 7 of this paper.

Applicant does not believe that the filing of this amendment will incur additional fees. However, the Commissioner is authorized to charge any fees that may be due and to credit any overpayments to Deposit Account 07-1445 (Order No. EQUI0016). Applicant considers this document to be filed in a timely manner.

LISTING OF CLAIMS

1. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

transmitting said multi-media data to an output device; and

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data, changing a frame rate of said multi-media data, and changing a compression format of said multi-media data, while said multi-media data is transmitted to said output device.

2. (Original) The method of claim 1, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

3. (Original) The method of claim 1, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

4. (Cancelled).

5. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device.

6. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device.

7. (Original) The method of claim 1, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

8. (Original) The method of claim 7, wherein said external device comprises a portable media player.

9. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a service provider.

10. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a local content source.

11. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device; and

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data, a frame rate of said multi-media data, and a compression format of said multi-media data.

12. (Original) The system of claim 11, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

13. (Original) The system of claim 11, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

14. (Cancelled).

15. (Original) The system of claim 11, wherein said output device comprises a display device.

16. (Original) The system of claim 11, wherein said output device comprises a storage device.

17. (Original) The system of claim 11, further comprising:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device.

18. (Original) The system of claim 17, wherein said external device comprises a portable media player.

19. (Currently Amended) A computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

transmitting said multi-media data to an output device; and

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data, a frame rate of said multi-media data, and a compression format of said multi-media data.

20. (Original) The computer readable medium of claim 19, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device.

21. (Cancelled).

22. (Original) The computer readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

23. (Original) The computer readable medium of claim 19, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

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REMARKS

Applicants respectfully request further examination and reconsideration in view of the above amendments and arguments set forth fully below. Claims 1-23 were previously pending in the present application. Within the Office Action, Claims 1-23 have been rejected.

Claim Rejections under 35 U.S.C. § 102(e)

Within the Office Action, Claims 1-3, 5-7, 9-13, 15-18, 19-20, and 22-23 were rejected under 35 U.S.C. § 102(e) as being anticipated by United States Patent No. 6,909,708 to Krishnaswamy et al. (hereinafter referred to as "Krishnaswamy").

"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987).

The Applicants respectfully traverse this rejection because each and every element set forth in Claims 1-3, 5-7, 9-13, 15-18, 19-20, and 22-23 are not found in Krishnaswamy, either expressly nor inherently described. Specifically, Krishnaswamy does not describe "[a] system for providing simultaneous transcoding of multi-media data, comprising ... a transcoder... configured for changing each of: a resolution of said multi-media data, a frame rate of said multi-media data, and a compression format of said multi-media data."

Krishnaswamy involves a system communicating in a video conference. In one narrowly-tailored embodiment of Krishnaswamy, a system of content transcoding is disclosed. However, this embodiment teaches converting input content "into the various other formats and stored ...on different servers, one for each content type to serve the various clients each supporting a different format."

On the other hand, the Applicants claim a system for converting input content on-the-fly (i.e. transcoding simultaneously said multi-media data into at least one alternate format) and delivering it. Furthermore, the only transcode disclosed in Krishnaswamy is a transcode between file formats. Indeed, Krishnaswamy does not involve on-the-fly transcoding between resolution values and frame rates, nor does the Examiner suggest that he does.

On the contrary, Claims 1-3, 5-13, 15-20, and 22-23 include the above-mentioned limitation. For at least this reason, Claims 1-3, 5-13, 15-20, and 22-23 are not anticipated by Krishnaswamy.

Claim Rejections under 35 U.S.C. § 103

Also within the Office Action, Claims 4, 8, 14, 18, and 21 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Krishnaswamy.

To establish a *prima facie* case of obviousness of a claimed invention, all the claimed features must be taught or suggested by the prior art. *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). The Applicants respectfully traverse this rejection, because Krishnaswamy does not disclose all of the limitations of Claims 4, 8, 14, 18, and 21.

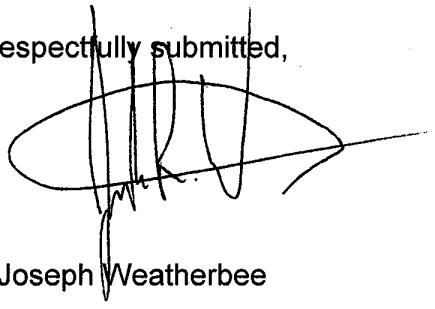
Specifically Krishnaswamy does not teach or suggest "[a] system for providing simultaneous transcoding of multi-media data, comprising ... a transcoder... configured for changing each of: a resolution of said multi-media data, a frame rate of said multi-media data, and a compression format of said multi-media data," as explained above.

On the contrary, Claims 8 and 18 recite this limitation by reference to Claims 1 and 11. For at least this reason, Claims 8 and 18 are not rendered obvious in light of Krishnaswamy.

CONCLUSION

Applicant respectfully posits that the pending claims have been distinguished from the art of record, and that all objections to and rejections of the claims have been overcome. Accordingly, Applicant respectfully requests allowance. Should the Examiner deem it helpful he is encouraged to contact Applicant's attorney at (650) 474-8400.

Respectfully submitted,



Joseph Weatherbee
Reg. No. 64,810

Customer No. 22862

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Sean Barger
Serial No.:	12/173,747
Filed:	July 15, 2008
Art Unit:	2441
Confirmation Number:	7377
Examiner:	Charles C. Murphy
Title:	Automated Media Delivery System
Attorney Docket No.:	EQUI00016

July 15, 2010

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Examiner:

This Information Disclosure Statement is submitted under 37 CFR 1.97(b).

The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. EQUI0016).

Applicant(s) submit herewith PTO Form 1449 (Modified) -- 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 1.56.

Each of the Claims in the originally-filed Application is copied from United States patent publication no. 2008/0155230 to Robbins et al. (hereinafter referred to as "Robbins").

37 C.F.R. § 1.607 and MPEP § 2001.06(d) require an Applicant to identify the patent and the numbers of the patent claims of the copied patent application. The Applicants identify how the Claims are mapped to Robbins as follows:

Claim 1 corresponds to Claim 1 of Robbins;
Claim 2 corresponds to Claim 2 of Robbins;
Claim 3 corresponds to Claim 3 of Robbins;
Claim 4 corresponds to Claim 4 of Robbins;
Claim 5 corresponds to Claim 5 of Robbins;
Claim 6 corresponds to Claim 6 of Robbins;
Claim 7 corresponds to Claim 7 of Robbins;
Claim 8 corresponds to Claim 8 of Robbins;
Claim 9 corresponds to Claim 9 of Robbins;
Claim 10 corresponds to Claim 10 of Robbins;
Claim 11 corresponds to Claim 11 of Robbins;
Claim 12 corresponds to Claim 12 of Robbins;
Claim 13 corresponds to Claim 13 of Robbins;
Claim 14 corresponds to Claim 14 of Robbins;
Claim 15 corresponds to Claim 15 of Robbins;
Claim 16 corresponds to Claim 16 of Robbins;
Claim 17 corresponds to Claim 17 of Robbins;
Claim 18 corresponds to Claim 18 of Robbins;
Claim 19 corresponds to Claim 19 of Robbins;
Claim 20 corresponds to Claim 20 of Robbins;
Claim 21 corresponds to Claim 21 of Robbins;
Claim 22 corresponds to Claim 22 of Robbins; and
Claim 23 corresponds to Claim 23 of Robbins.

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

Respectfully Submitted,

Joseph Weatherbee
Reg. No. 64,810

Customer No. 22862

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	Art Unit: 2443
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
	1	2008/0155230	6/26/2008	Robbins et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature:_____ Date:_____

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2443
Confirmation Number	:	7377
Examiner	:	Charles C. Murphy
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

July 15, 2010

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Examiner:

This Information Disclosure Statement is submitted:

( ) 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)

(X) under 37 CFR 1.97(c) together with either a:
- (X) Certification under 37 CFR 1.97(e), or
- ( ) a $180.00 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 $180.00 fee under 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. EQUI0016).

(X) Applicant(s) submit herewith PTO Form 1449 (Modified) -- 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 (Modified), 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 Form 1449 (Modified) and is enclosed herewith.

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

Respectfully Submitted,

Joseph Weatherbee
Reg. No. 64,810

Customer No. 22862

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2443
Confirmation Number	:	7377
Examiner	:	Charles C. Murphy
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

July 15, 2010

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATION FOR
INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(e)

Dear Examiner:

A certification is being made for the Information Disclosure Statement accompanying this certification.

CERTIFICATION

I, the person signing below, certify

( ) that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement. (37 CFR 1.97(e)(1))

(X) that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 CFR 1.97(e)(2).

The person making this certification is the attorney who signs below on the basis of the information:

(X) supplied by the inventor(s)

( ) supplied by an individual designated in §1.56(c)

( ) in the attorney's file

Respectfully submitted,

Joseph Weatherbee
Reg. No. 64,810

Customer Number 22862

IPR2023-00330 Page 00572

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	Art Unit: 2443
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
	1	6,938,073	08/2005	Mendhekar et al.	
	2	7,284,201	10/2007	Cohen-Solal, Eric	
	3	7,477,688	01/2009	Zhang et al.	
	4	7,673,063	03/2010	Xie et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
	5	2006-0015580	01/2006	Gabriel et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature:_____ Date:_____

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.

Electronic Acknowledgement Receipt

EFS ID:	8027180
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Jessica Pallach
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	15-JUL-2010
Filing Date:	15-JUL-2008
Time Stamp:	17:59:43
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		ResponseIDS-EQUI0016--efiled071510.pdf	612102 c73fbb55890945014bd8c6f14456beaa04d69f55	yes	20

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	1
	Amendment/Req. Reconsideration-After Non-Final Reject	2	2
	Claims	3	7
	Applicant Arguments/Remarks Made in an Amendment	8	11
	Information Disclosure Statement (IDS) Filed (SB/08)	12	15
	Information Disclosure Statement (IDS) Filed (SB/08)	16	20
Warnings:			
Information:			
	Total Files Size (in bytes):	612102	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total number of pages including cover sheet.

Application Number	12/173,747
Filing Date	July 15, 2008
First Named Inventor	Sean Barger
Art Unit	2441
Examiner Name	Charles Murphy
Attorney Docket Number	EQUI0016

ENCLOSURES ***(Check all that apply)***

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☑ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☑ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/ Incomplete Application
  - ☐ Reply 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) _____
  - ☐ Landscape Table on CD
- ☐ After Allowance Communication to 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 Name	GLENN PATENT GROUP, Customer No. 22862		
Signature			
Printed name	Joseph Weatherbee		
Date	July 15, 2010	Reg. No.	64,810

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this correspondence is being electronically transmitted to the USPTO via EFS-Web on the date shown below.

Signature			
Typed or printed name	Jessica Pallach	Date	July 15, 2010

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 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. 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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/173,747	07/15/2008	

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☒		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	07/15/2010	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 23	= 0	X $26 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $110 =	0	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L 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.

Legal Instrument Examiner:
/JOSEPHINE DOUGLAS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	EQUI0016	7377

22862 7590 10/01/2010

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

EXAMINER	
MURPHY, CHARLES C	
ART UNIT	PAPER NUMBER
2441	

NOTIFICATION DATE	DELIVERY MODE
10/01/2010	ELECTRONIC

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

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eptomatters@glenn-law.com

Office Action Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2441	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 *15 July 2010*.

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) *1-3,5-13,15-20,22 and 23* is/are pending in the application.

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

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3,5-13,15-20,22 and 23* is/are rejected.

7)☐ Claim(s) _____ 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).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ 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.

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/SB/08) Paper No(s)/Mail Date *07/15/2010*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Detailed Action

1. This Office Action is responsive the Amendment filed on 7/15/2010. Claims 1-3, 5-13, 15-20, and 22-23 remain pending. Claims 1, 11, and 19 have been amended. Claims 4, 14, and 21 have been canceled.

Information Disclosure Statement

The information disclosure statements (IDS) submitted were filed on 07/15/2010. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 18-20 and 22-23 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

As per claim 18, the claim limitation recites “computer readable medium”. However, the usage of the phrase “computer readable medium” is broad enough to include both “non-transitory” and “transitory” (moving electrons, etc) media. The specification does not clearly limit the utilization of a non-transitory computer readable medium and, thus does not constitute functional descriptive material. Therefore, when the broadest reasonable

interpretation of a claim covers a signal per se, the claim must be rejected under 35 U.S.C. § 101 as covering non-statutory subject matter. See *In re Nuijten,* 500 F.3d 1346, 1356-57 (Fed. Cir. 2007) (transitory embodiments are not directed to statutory subject matter).

The USPTO recognizes that applicants may have claims directed to computer readable media that cover signals *per se*, which the USPTO must reject under 35 U.S.C. § 101 as covering both non-statutory subject matter and statutory subject matter. In an effort to assist the patent community in overcoming a rejection or potential rejection under 35 U.S.C. § 101 in this situation, the USPTO suggests the following approach. A claim drawn to such a computer readable medium that covers both ***transitory*** and ***non-transitory*** embodiments may be amended to narrow the claim to cover only statutory embodiments to avoid a rejection under 35 U.S.C. § 101 by adding the limitation "***non-transitory***" to the claim. *Cf. Animals - Patentability*, 1077 *Off. Gaz. Pat. Office* 24 (April 21, 1987) (suggesting that applicants add the limitation "non-human" to a claim covering a multi-cellular organism to avoid a rejection under 35 U.S.C. § 101). Such an amendment would typically not raise the issue of new matter, even when the specification is silent because the broadest reasonable interpretation relies on the ordinary and customary meaning that includes signals *per se*. The limited situations in which such an amendment could raise issues of new matter occur, for example, when the specification does not support a non-transitory embodiment because a signal *per se* is the only viable embodiment such that the amended claim is impermissibly broadened beyond the supporting disclosure. *See, e.g., Gentry Gallery,*

Inc. v. Berkline Corp., 134 F.3d 1473 (Fed. Cir. 1998).

The dependent claims included in the statement of rejection but not specifically addressed in the body of the rejection have inherited the deficiencies of their parent claim and have not resolved the deficiencies. Therefore, they are rejected based on the same rationale as applied to their parent claims above.

Claim Rejections - 35 USC § 103

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.

1. **Claims 1-3, 5-13, 15-20, and 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat)**

2. Regarding claim 1, **Krishnaswamy** teaches a method for simultaneous transcoding of multi-media data, comprising:

   receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

wherein said transcoding comprises each of: changing a resolution of said multi-media data, changing a frame rate of said multimedia data, and changing a compression format of said multi-media data. (**Krishnaswamy** teaches converting analog video formats into other compression formats such as MPEG or H.264. Transcoding analog video into these formats encompasses changing the resolution, and frame rate to further compress the multimedia file) (**Krishnaswamy, col. 135, lines 22-35)**

Krishnaswamy does not teach:

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device

In an analogous art, **Bhagwat** does teach:

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device (**Bhagwat** teaches

converting multi-media into a different format on the fly)**(Bhagwat, col. 6, lines 19-24; col. 7, lines 16-24)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy** and **Bhagwat** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a dynamic transcoding system that would in create the benefits of transcoding various multimedia formats an improve efficiency within a network. **(Bhagwat, col. 3, lines 15-30)**

3. Regarding claims 2, **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

4. Regarding claims 3, **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format. (**Krishnaswamy** teaches receiving analog video to be converted.

The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

5. Regarding claims 5, **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device. (**Krishnaswamy** transmitting video to clients which display the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

6. Regarding claims 6, **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

7. Regarding claims 7, **Krishnaswamy-Bhagwat** further teaches the method of claim 1, comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats

including MPEG or H.263 which is then transmitted to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

8. Regarding claim 8, **Krishnaswamy-Bhagwat** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Krishnaswamy-Bhagwat** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

9. Regarding claims 9 **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a service provider. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

10. Regarding claims 10 **Krishnaswamy-Bhagwat** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a local content source. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

11. Regarding claim 11, **Krishnaswamy-Bhagwat** teaches a system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches receiving video to be converted into a second format. This video data is received and converted by a server) **(See Fig. 19D) (Krishnaswamy, col. 135, lines 5-15, and lines 22-35)**

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data, a frame rate of said multimedia data, and a compression format of said multi-media data. (**Bhagwat** teaches

converting multi-media into a different format on the fly. **(Bhagwat, col. 6, lines 19-24; col. 7, lines 16-24) Krishnaswamy** teaches converting analog video formats into other compression formats such as MPEG or H.264. Transcoding analog video into these formats encompasses changing the resolution, and frame rate to further compress the multimedia file) **(Krishnaswamy, col. 135, lines 22-35)**

12. Regarding claims 12 **Krishnaswamy-Bhagwat** further teaches the system of claim 11, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

13. Regarding claims 13 **Krishnaswamy-Bhagwat** further teaches the system of claim 11, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

14. Regarding claims 15 **Krishnaswamy-Bhagwat** further teaches the system of claim 11, wherein:

> said output device comprises a display device. (**Krishnaswamy** transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

15. Regarding claims 16 **Krishnaswamy-Bhagwat** further teaches the system of claim 11, wherein:

> said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

16. Regarding claims 17 **Krishnaswamy-Bhagwat** further teaches the system of claim 11, wherein:

> one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be transcoded. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

17. Regarding claim 18 **Krishnaswamy-Bhagwat** does not explicitly teach:

said external device comprises a portable media player.

However, **Krishnaswamy-Bhagwat** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

18. Regarding claim 19 **Krishnaswamy-Bhagwat** teaches a computer-readable medium comprising:

receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)** (**Krishnaswamy** also teaches implementing the invention using software executed on hardware) **(Krishnaswamy, cols. 74 -78)**

transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches sending multi-media data to a server for either

storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data, a frame rate of said multi-media data, and a compression format of said multi-media data. (**Bhagwat** teaches converting multi-media into a different format on the fly. **(Bhagwat, col. 6, lines 19-24; col. 7, lines 16-24) Krishnaswamy** teaches converting analog video formats into other compression formats such as MPEG or H.264. Transcoding analog video into these formats encompasses changing the resolution, and frame rate to further compress the multimedia file) (**Krishnaswamy, col. 135, lines 22-35)**

19. Regarding claims 20 **Krishnaswamy-Bhagwat** further teaches the computer-readable medium of claim 19, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device)

(Krishnaswamy, col. 135, lines 22-35) (**Krishnaswamy** also teaches transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

20. Regarding claims 22 **Krishnaswamy-Bhagwat** further teaches the computer-readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

21. Regarding claims 23 **Krishnaswamy-Bhagwat** further teaches the computer-readable medium of claim 19, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

Response to Arguments

Applicant's arguments with respect to claims 1, 11, and 19 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is (571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2441
9/29/2010

/Wing F. Chan/
Supervisory Patent Examiner, Art Unit 2441

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2441	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,563,517	05-2003	Bhagwat et al.	715/735
*	B	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
	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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2441

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	04/06/2010	09/23/2010							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	-							
	5	✓	✓							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	-							
	12	✓	✓							
	13	✓	✓							
	14	✓	✓							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	-							
	20	✓	✓							
	21	✓	✓							
	22	✓	✓							
	23	✓	✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2441

SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy
709	247 217	9/23/2010	Charles Murphy
704	503 500 230 204	9/23/2010	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy
Searched East	9/23/2010	Charles Murphy
Consulted Quang Nguyen	9/23/2010	Charles Murphy

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/CHARLES MURPHY/ Examiner.Art Unit 2441	

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	Art Unit: 2443
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
/C.M./	1	6,938,073	08/2005	Mendhekar et al.	
/C.M./	2	7,284,201	10/2007	Cohen-Solal, Eric	
/C.M./	3	7,477,688	01/2009	Zhang et al.	
/C.M./	4	7,673,063	03/2010	Xie et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
/C.M./	5	2006-0015580	01/2006	Gabriel et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature: /Charles Murphy/ Date: 09/23/2010

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.

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	Applicant: Sean Barger
Statement By Applicant	Art Unit: 2443
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
/C.M./	1	2008/0155230	6/26/2008	Robbins et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature: /Charles Murphy/ Date: 09/23/2010

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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	(transcod$3) same (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:46
L2	2595	(transcod$3 or convert$3) same (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:46
L3	680	(transcod$3 or convert$3) near5 (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47
L4	680	(transcod$3 or convert$3) near5 (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47
L5	183	4 (transcod$3 or convert$3).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47
L6	2	5 (multimedia or multi!media or audio or video or image) same (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:48

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S1	66	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID. OR US-5903892-$.DID. OR US-5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:10
S2	4	US-5442771-$.DID. OR US-6484149-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:11

IPR2023-00330 Page 00600

S3	70	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:42
S4	0	S3 (transcod$3 same concurrent or simultaneous$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S5	0	S3 (transcod$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S6	2	S3 (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:44
S8	53	((transcod$3) same (format) same (analog or wav)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/01 15:27
S9	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 14:25
S10	1	S9 client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:44
S11	1	S9 computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:48

S12	0	S9 computer same prefered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S13	0	S9 computer same preffered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S14	0	S9 computer same preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S15	0	S9 computer same perferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S16	0	S9 computer same embodiement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S17	0	S9 computer with preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S18	0	S9 computer and preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S19	155	((transcod$3) same (format) same (analog or wav)) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 16:47

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S20	224	(transcod$3 or convert) same (format) same (on adj the adj fly or simultan$4 or concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:00
S21	17	(transcod$3 or convert) same (format) near5 (on adj the adj fly or simultan$4 or concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:01
S22	6	S20 (transcod$3 or convert).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:04

9/23/2010 9:58:04 AM
C:\Documents and Settings\cmurphy1\My Documents\EAST\Workspaces\12173747.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Sean BARGER
Serial No.:	12/173,747
Filed:	July 15, 2008
Art Unit:	2455
Confirmation Number:	7377
Examiner:	Charles C. Murphy
Title:	Automated Media Delivery System
Attorney Docket No.:	EQUI00016

January 3, 2011

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

RESPONSE TO OFFICE ACTION

Applicant submits this Response to the Office Action dated October 1, 2010 in connection with the above-identified patent application.

A **Listing of Claims** begins on Page 2 of this paper, and
Remarks begin on Page 8 of this paper.

Applicant does not believe that the filing of this amendment will incur additional fees. However, the Commissioner is authorized to charge any fees that may be due and to credit any overpayments to Deposit Account 07-1445 (Order No. EQUI0016). Applicant considers this document to be filed in a timely manner.

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LISTING OF CLAIMS

1. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

receiving a request for ~~transmitting~~ said multi-media data to [[an]] a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; ~~and~~

transcoding ~~simultaneously~~ said multi-media data into a plurality of formats that are ~~at least one alternate format that is~~ different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices~~, while said multi-media data is transmitted to said output devices~~; and

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

2. (Original) The method of claim 1, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

3. (Original) The method of claim 1, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

4. (Cancelled).

5. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device.

6. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device.

7. (Original) The method of claim 1, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

8. (Original) The method of claim 7, wherein said external device comprises a portable media player.

9. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a service provider.

10. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a local content source.

11. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into a plurality of formats that are ~~at least one alternate format that is~~ different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for

changing ~~each of:~~ a resolution of said multi-media data based on the resolution capabilities the at least two output devices,

changing a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and

changing a compression format of said multi-media data based on the compression capabilities the at least two output devices.

12. (Original) The system of claim 11, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

13. (Original) The system of claim 11, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

14. (Cancelled).

15. (Original) The system of claim 11, wherein said output device comprises a display device.

16. (Original) The system of claim 11, wherein said output device comprises a storage device.

17. (Original) The system of claim 11, further comprising:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device.

18. (Original) The system of claim 17, wherein said external device comprises a portable media player.

19. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

transmitting said multi-media data to an output device; and

transcoding simultaneously said multi-media data into at least ~~one~~ two alternate format that [[is]] are different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data based on resolution capabilities of at least two output devices, a frame rate of said multi-media data based on frame rate capabilities of at least two output devices, and a compression format of said multi-media data based on compression capabilities of at least two output devices.

20. (Currently Amended) The non-transitory computer readable medium of claim 19, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device.

21. (Cancelled).

22. (Currently Amended) The non-transitory computer readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

23. (Currently Amended) The non-transitory computer readable medium of claim 19, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

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REMARKS

Applicants respectfully request further examination and reconsideration in view of the above amendments and arguments set forth fully below. Claims 1-3, 5-13, 15-20, 22, and 23 were previously pending in the present application. Within the Office Action, Claims 1-3, 5-13, 15-20, 22, and 23 have been rejected.

Claim Rejections under 35 U.S.C. § 101

Within the Office Action, Claims 18-20 and 22-23 were rejected under 35 U.S.C. § 101 as allegedly being directed to non-statutory subject matter. Applicants amend the Claims herein, thereby rendering the rejection moot.

Claim Rejections under 35 U.S.C. § 103

Also within the Office Action, Claims 1-3, 5-13, 15-20, and 22-23 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,909,708 to Krishnaswamy et al. (hereinafter referred to as "Krishnaswamy") in view of United States Patent No. 6,563,517 to Bhagwat et al. (hereinafter referred to as "Bhagwat").

To establish a *prima facie* case of obviousness of a claimed invention, all the claimed features must be taught or suggested by the prior art. *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). The Applicants respectfully traverse this

rejection, because discloses all of the limitations of Claims 1-3, 5-13, 15-20, and 22-23.

Specifically neither Krishnaswamy nor Bhagwat teach or suggest "[a] method for providing simultaneous transcoding of multi-media data, comprising ... receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; transcoding said multi-media data into a plurality of formats ... based on the resolution capabilities of the at least two output devices... the frame rate capabilities of the at least two output devices, and ... the compression capabilities of the at least two output devices; and transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format."

Within the Office Action, the Examiner admits that Krishnaswamy does not teach "transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device." The Applicants agree.

However, the Examiner cites Bhagwat and alleges that Bhagwat teaches in Col. 6, lines 19-24; and Col. 7, lines 16-24 "transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device." The

Applicants disagree; however, Applicants amend the Claims herein to distinguish Bhagwat more clearly.

Indeed, Bhagwat does not teach or suggest "[a] method for providing simultaneous transcoding of multi-media data, comprising ... receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output incompatible file formats; transcoding said multi-media data into a plurality of formats ... based on the resolution capabilities of the at least two output devices... the frame rate capabilities of the at least two output devices, and ... the compression capabilities of the at least two output devices; and transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format."

Bhagwat involves a system wherein "when transcoding is to be performed, images can either be buffered and then transcoded (store and forward transcoding), or each segment can be transcoded on-the-fly (streaming transcoding method)." However, the streaming transcoding method of Bhagwat involves a specific algorithm rather than being based on the capabilities of the output devices.

For example, Col. 12, line 9 through Col 13, line 27 describes streaming image transcoding that occurs only when two specific Conditions are satisfied. Bhagwat

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notes that "the streamed image transcoder should only perform transcoding when both Condition A and Condition B are satisfied." On the contrary, the claimed system and method involves always performing the streaming transcode using the devices' capabilities as a basis for the transcode.

For at least these reasons, Claims 1-3, 5-13, 15-20, 22-23 are not rendered obvious in light of a hypothetical combination of Krishnaswamy and Bhagwat.

CONCLUSION

Applicant respectfully posits that the pending claims have been distinguished from the art of record, and that all objections to and rejections of the claims have been overcome. Accordingly, Applicant respectfully requests allowance. Should the Examiner deem it helpful he is encouraged to contact Applicant's attorney at (650) 474-8400.

Respectfully submitted,

Joseph Weatherbee
Reg. No. 64,810

Customer No. 22862

Electronic Acknowledgement Receipt

EFS ID:	9154989
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	03-JAN-2011
Filing Date:	15-JUL-2008
Time Stamp:	18:42:15
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2011-01-03-Response-EQUI0016.pdf	408733 fc3e20f2db559c8f5fa22d73dbee3af095778582	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	1
	Amendment/Req. Reconsideration-After Non-Final Reject	2	2
	Claims	3	8
	Applicant Arguments/Remarks Made in an Amendment	9	12
Warnings:			
Information:			
	Total Files Size (in bytes):	408733	

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: TRAN.LET

Document Description: Transmittal Letter

PTO/SB/21 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	12

Application Number	12/173,747
Filing Date	July 15, 2008
First Named Inventor	Sean BARGER
Art Unit	2455
Examiner Name	7377
Attorney Docket Number	EQUI0016

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☑ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/ Incomplete Application
  - ☐ Reply 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) _____
  - ☐ Landscape Table on CD
- ☐ After Allowance Communication to 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 Name	Glenn Patent Group		
Signature			
Printed name	Joseph Weatherbee		
Date	January 3, 2011	Reg. No.	64,810

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being submitted electronically to the U.S. Patent and Trademark Office via EFS-Web on the date shown below:

Signature			
Typed or printed name	Christine Ortt	Date	January 3, 2011

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 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/173,747	07/15/2008	

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☒		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	01/03/2011	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 20	Minus	** 23	= 0	X $26 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $110 =	0	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

		(Column 1)		(Column 2)	(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L 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.

Legal Instrument Examiner:
/JACQUELINE E. COUPLIN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	EQUI0016	7377

22862 7590 03/18/2011
GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER	
MURPHY, CHARLES C	
ART UNIT	PAPER NUMBER
2455	

NOTIFICATION DATE	DELIVERY MODE
03/18/2011	ELECTRONIC

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

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eptomatters@glenn-law.com
ptomatters@glenn-law.com

Office Action Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2455	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 *03 January 2011*.

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) *5-13,15-20,22 and 23* 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) *13, 5-13, 15-20, 22-23* is/are rejected.

7)☐ Claim(s) _____ 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).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ 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.

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/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Detailed Action

1. This Office Action is responsive the Amendment filed on 01/03/2011. Claims 1, 11, 19, 20, and 22-23 have been amended. Claims 1-3, 5-13, 15-20, and 22-23 remain pending for examination. Claims 4, 14, and 21 have been withdrawn from examination by applicant.

Claim Rejections - 35 USC § 103

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.

1. **Claims 1-3, 5-13, 15-20, and 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in further view of Neogi US Patent 6,483,851 (hereinafter referred to as Neogi)**

2. Regarding claim 1, **Krishnaswamy** teaches a method for simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

Krishnaswamy does not teach:

> transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** does teach:

> transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy** and **Bhagwat** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a dynamic transcoding system that would in create the benefits of transcoding various multimedia formats an improve efficiency within a network. **(Bhagwat, col. 3, lines 15-30)**

Krishnaswamy-Bhagwat does not teach:

transcoding said multi-media data into a plurality of formats that are different from said first format wherein said transcoding of multi-media data is based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices and

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; and

In an analogous art, **Neogi** does teach:

transcoding said multi-media data into a plurality of formats that are different from said first format wherein said transcoding of multi-media data is based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices and **(Neogi** teaches a transcoding system that transcodes media from requesting clients based on the capabilities of the client. These parameters are within a request for a media file) **(Neogi, col. 2, lines 15-50)**

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; and **(Neogi** teaches a transcoding system that transcodes media from requesting clients based on the capabilities of the client. These parameters are within a request for a media file) **(Neogi, col. 2, lines 15-50)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy-Bhagwat** and **Neogi** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a network transcoding system where the request media is transcoded based so end users can each receive media in a form that is compatible with their devices . **(Neogi, col. 1, lines 30-45)**

3. Regarding claims 2, **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

4. Regarding claims 3, **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

5. Regarding claims 5, **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device. (**Krishnaswamy** transmitting video to clients which display the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

6. Regarding claims 6, **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device. (**Krishnaswamy**

teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

7. Regarding claims 7, **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

8. Regarding claim 8, **Krishnaswamy-Bhagwat-Neogi** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Krishnaswamy-Bhagwat-Neogi** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would

be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

9. Regarding claims 9 **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a service provider. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

10. Regarding claims 10 **Krishnaswamy-Bhagwat-Neogi** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a local content source. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

11. Regarding claim 11, **Krishnaswamy** teaches a system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, and (**Krishnaswamy** teaches receiving video

to be converted into a second format. This video data is received and converted by a server) **(See Fig. 19D) (Krishnaswamy, col. 135, lines 5-15, and lines 22-35)**

Krishnaswamy does not teach:

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into a plurality of formats that are different from said first format, while said multi-media data is transmitted to said output device,

In an analogous art, **Bhagwat** does teach:

a transcoder, coupled to said controller, for transcoding simultaneously said multi-media data into a plurality of formats that are different from said first format, while said multi-media data is transmitted to said output device. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy** and **Bhagwat** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a dynamic transcoding system that would in create the benefits of transcoding various multimedia formats an improve efficiency within a network. **(Bhagwat, col. 3, lines 15-30)**

Krishnaswamy-Bhagwat does not teach:

wherein said transcoder is configured for changing a resolution of said multi-media data based on the resolution capabilities the at least two output devices, changing-a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities the at least two output devices.

wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities;

In an analogous art, **Neogi** does teach:

wherein said transcoder is configured for changing a resolution of said multi-media data based on the resolution capabilities the at least two

output devices, changing-a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities the at least two output devices. **(Neogi** teaches a transcoding system that transcodes media from requesting clients based on the capabilities of the client. These parameters are within a request for a media file and include changing the frame rate, resolution, and compression format) **(Neogi, col. 1, lines 30-41; col. 2, lines 15-65)**

wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; **(Neogi** teaches a transcoding system that transcodes media from multiple requesting clients based on the capabilities of the client such as file formats for high end systems and different file formats for low end systems. These parameters are within a request for a media file and include changing the frame rate, resolution, and compression format) **(Neogi, col. 1, lines 30-41; col. 2, lines 15-65)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy-Bhagwat** and **Neogi** to

create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a network transcoding system where the request media is transcoded based so end users can each receive media in a form that is compatible with their devices . **(Neogi, col. 1, lines 30-45)**

12. Regarding claims 12 **Krishnaswamy-Bhagwat-Neogi** further teaches the system of claim 11, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)**

13. Regarding claims 13 **Krishnaswamy-Bhagwat-Neogi** further teaches the system of claim 11, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

14. Regarding claims 15 **Krishnaswamy-Bhagwat-Neogi** further teaches the system of claim 11, wherein:

> said output device comprises a display device. (**Krishnaswamy** transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

15. Regarding claims 16 **Krishnaswamy-Bhagwat-Neogi** further teaches the system of claim 11, wherein:

> said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

16. Regarding claims 17 **Krishnaswamy-Bhagwat-Neogi** further teaches the system of claim 11, wherein:

> one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches receiving analog video to be transcoded. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted to servers for distribution or storage) **(Krishnaswamy, col. 135, lines 22-35)**

17. Regarding claim 18 **Krishnaswamy-Bhagwat-Neogi** does not explicitly teach:

said external device comprises a portable media player.

However, **Krishnaswamy-Bhagwat-Neogi** does teach

sending converted video data to client computers (**Krishnaswamy, col. 135, lines 22-35; col. 73, lines 55-67)**

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

18. Regarding claim 19 **Krishnaswamy** teaches a non-transitory computer-readable medium comprising:

receiving multi-media data in a first format; (**Krishnaswamy** teaches receiving video to be converted) **(Krishnaswamy, col. 135, lines 22-35)** (**Krishnaswamy** also teaches implementing the invention using software executed on hardware) **(Krishnaswamy, cols. 74 -78)**

transmitting said multi-media data to an output device; and (**Krishnaswamy** teaches sending multi-media data to a server for either

storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

Krishnaswamy does not teach:

transcoding simultaneously said multi-media data into at least two alternate format that are different from said first format, while said multi-media data is transmitted to said output device, (**Bhagwat** teaches converting multi-media into a different formats on the fly. **(Bhagwat, col. 6, lines 19-24; col. 7, lines 16-24)**

In an analogous art, **Bhagwat** does teach:

transcoding simultaneously said multi-media data into at least two alternate format that are different from said first format, while said multi-media data is transmitted to said output device, (**Bhagwat** teaches converting multi-media into a different formats on the fly. **(Bhagwat, col. 6, lines 19-24; col. 7, lines 16-24)** (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy** and **Bhagwat** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a dynamic transcoding system that would in create the benefits of transcoding various multimedia formats an improve efficiency within a network. **(Bhagwat, col. 3, lines 15-30)**

Krishnaswamy-Bhagwat does not teach:

transcoding said multi-media data into a plurality of formats that are different from said first format wherein said transcoding of multi-media data is based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices and

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; and

In an analogous art, **Neogi** does teach:

wherein said transcoder is configured for changing each of: a resolution of said multi-media data based on resolution capabilities of at least two

output devices, a frame rate of said multimedia data based on frame rate capabilities of at least two output devices, and a compression format of said multi-media data based on compression capabilities of at least two output devices. **(Neogi** teaches a transcoding system that transcodes media from requesting clients based on the capabilities of the client. These parameters are within a request for a media file and include changing the frame rate, resolution, and compression format) **(Neogi, col. 1, lines 30-41; col. 2, lines 15-65)**

It would be obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of **Krishnaswamy-Bhagwat** and **Neogi** to create a system capable of transcoding multimedia files on the fly to different formats.

One would be motivated to do so in order to create a network transcoding system where the request media is transcoded based so end users can each receive media in a form that is compatible with their devices . **(Neogi, col. 1, lines 30-45)**

19. Regarding claims 20 **Krishnaswamy-Bhagwat-Neogi** further teaches the non-transitory computer-readable medium of claim 19, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a

storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)** (**Krishnaswamy** also teaches transmitting video to clients which displays the video on a local display device) **(Krishnaswamy, col. 135, lines 55-65)**

20. Regarding claims 22 **Krishnaswamy-Bhagwat-Neogi** further teaches the non-transitory computer-readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

21. Regarding claims 23 **Krishnaswamy-Bhagwat-Neogi** further teaches the non-transitory computer-readable medium of claim 19, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be converted into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

Response to Arguments

Applicant's arguments, see Remarks, Claim Rejections Under 35.U.S.C 101, filed 01/03/2011, with respect to claims 18-20 and 22-23 have been fully considered and are persuasive. The Rejections Under 35.U.S.C 101 of claims 18-20 and 22-23 has been withdrawn.

Applicant's arguments with respect to claims 1-3, 5-13, 15-20, and 22-23 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is (571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2455
3/14/2011

/David Lazaro/
Primary Examiner, Art Unit 2455

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2455	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
*	B	US-6,563,517	05-2003	Bhagwat et al.	715/735
*	C	US-6,483,851	11-2002	Neogi, Raja	370/466
	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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	04/06/2010	09/23/2010	03/12/2011						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	-	-						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	-	-						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	✓	✓						
	16	✓	✓	✓						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	-	-						
	20	✓	✓	✓						
	21	✓	✓	✓						
	22	✓	✓	✓						
	23	✓	✓	✓						

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy
709	247 217	9/23/2010	Charles Murphy
704	503 500 230 204	9/23/2010	Charles Murphy
709	227 226 223 219 206 204 203	3/12/2011	Charles Murphy
370	480 467 465 389 356 353	3/12/2011	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy
Searched East	9/23/2010	Charles Murphy
Consulted Quang Nguyen	9/23/2010	Charles Murphy
Searched East	3/12/2011	Charles Murphy

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/CHARLES MURPHY/ Examiner.Art Unit 2455	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7355	(transcod$3 or convert$3) same (device or client) near3 (characteristics or capabilities or spec $6 or abilities or parameters) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:18
L2	1875	(transcod$3 or convert$3) near5 (device or client) near3 (characteristics or capabilities or spec $6 or abilities or parameters) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:18
L3	905	(transcod$3 or convert$3) near5 (device or client) near3 (characteristics or abilities or parameters) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:18
L4	3277	(transcod$3 or convert$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:19
L5	35	((transcod$3 or convert$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)).ti. @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:19

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L6	222	((transcod$3 or convert$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)).clm. @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:19
L7	333	((transcod$3 or convert$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)).ab. @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:19
L8	0	5 6 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:19
L9	35	5 ((transcod$3 or convert$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:20
L10	0	5 ((transcod$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:20
L11	17	((transcod$3) (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:20

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L12	9	((transcod$3) same (media or file or song or image or data) near5 (device or client) near3 (characteristics or abilities or parameters)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/12 19:21
S1	66	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID. OR US-5903892-$.DID. OR US-5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:10

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S2	4	US-5442771-$.DID. OR US-6484149-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:11
S3	70	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:42
S4	0	S3 (transcod$3 same concurrent or simultaneous$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S5	0	S3 (transcod$3 same (alternate or different) near5 format)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:43
S6	2	S3 (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/02/02 14:44
S8	53	((transcod$3) same (format) same (analog or wav)) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/01 15:27
S9	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 14:25
S10	1	S9 client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:44
S11	1	S9 computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:48

S12	0	S9 computer same prefered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S13	0	S9 computer same preffered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S14	0	S9 computer same preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:51
S15	0	S9 computer same perferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S16	0	S9 computer same embodiement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S17	0	S9 computer with preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S18	0	S9 computer and preferred	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 15:52
S19	155	((transcod$3) same (format) same (analog or wav)) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/04/06 16:47

S20	224	(transcod$3 or convert) same (format) same (on adj the adj fly or simultan$4 or concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:00
S21	17	(transcod$3 or convert) same (format) near5 (on adj the adj fly or simultan$4 or concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:01
S22	6	S20 (transcod$3 or convert).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/22 16:04
S23	7	(transcod$3) same (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:46
S24	2595	(transcod$3 or convert$3) same (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:46
S25	680	(transcod$3 or convert$3) near5(fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47
S26	680	(transcod$3 or convert$3) near5 (fly) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47
S27	183	S26 (transcod$3 or convert$3).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:47

S28	2	S27 (multimedia or multi!media or audio or video or image) same (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/23 09:48
S29	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 20:45

EAST Search History (Interference)

< This search history is empty>

3/12/2011 8:07:48 PM
C:\Documents and Settings\cmurphy1\My Documents\EAST\Workspaces\12173747.wsp

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. 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 contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12/173,747	Filing Date	2008-07-15	Docket Number (if applicable)	EQUI0016	Art Unit	2455
First Named Inventor	Sean Barger			Examiner Name	Charles C. Murphy		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 071445

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. 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 contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/MAG/	Date (YYYY-MM-DD)	2011-06-16
Name	Michael A. Glenn	Registration Number	30176

This collection of information is required by 37 CFR 1.114. 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 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Sean BARGER
Serial No.:	12/173,747
Filed:	July 15, 2008
Art Unit:	2455
Confirmation Number:	7377
Examiner:	Charles C. Murphy
Title:	Automated Media Delivery System
Attorney Docket No.:	EQUI00016

June 16, 2011

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

RESPONSE TO OFFICE ACTION

Applicant submits this Response to the Office Action dated March 18, 2011 in connection with the above-identified patent application.

A **Listing of Claims** begins on Page 2 of this paper, and
Remarks begin on Page 13 of this paper.

Applicant does not believe that the filing of this amendment will incur additional fees. However, the Commissioner is authorized to charge any fees that may be due and to credit any overpayments to Deposit Account 07-1445 (Order No. EQUI0016). Applicant considers this document to be filed in a timely manner.

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LISTING OF CLAIMS

1. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats ~~that~~ are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

2. (Original) The method of claim 1, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

3. (Original) The method of claim 1, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

4. (Cancelled).

5. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device.

6. (Original) The method of claim 1, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device.

7. (Original) The method of claim 1, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

8. (Original) The method of claim 7, wherein said external device comprises a portable media player.

9. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a service provider.

10. (Original) The method of claim 1, wherein said multi-media data in said first format is received from a local content source.

11. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, and simultaneously said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices ~~that~~ are different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for:

changing a resolution of said multi-media data based on the resolution capabilities the at least two output devices,

changing a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and

changing a compression format of said multi-media data based on the compression capabilities the at least two output devices.

12. (Original) The system of claim 11, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

13. (Original) The system of claim 11, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

14. (Cancelled).

15. (Original) The system of claim 11, wherein said output device comprises a display device.

16. (Original) The system of claim 11, wherein said output device comprises a storage device.

17. (Original) The system of claim 11, further comprising:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device.

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18. (Original) The system of claim 17, wherein said external device comprises a portable media player.

19. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

transmitting said multi-media data to an output device; and

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats ~~that~~ are different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data based on resolution capabilities of at least two output devices, a frame rate of said multi-media data based on frame rate capabilities of at least two output devices, and a compression format of said multi-media data based on compression capabilities of at least two output devices.

20. (Previously Presented) The non-transitory computer readable medium of claim 19, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device.

21. (Cancelled).

22. (Previously Presented) The non-transitory computer readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

23. (Previously Presented) The non-transitory computer readable medium of claim 19, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

24. (New) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

25. (New) The method of claim 24, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

26. (New) The method of claim 24, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device.

27. (New) The method of claim 24, wherein said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device.

28. (New) The method of claim 1, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device.

29. (New) The method of claim 7, wherein said external device comprises a portable media player.

30. (New) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a request parser configured for receiving a request from a client for transmitting said multi-media data to one or more output devices, wherein at least two devices from said one or more output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags, and for automatically determining, at the time

of the request, one or more formats requested based on said one or more data format tags;

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, and simultaneously said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for

changing a resolution of said multi-media data based on the resolution capabilities the at least two output devices,

changing a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and

changing a compression format of said multi-media data based on the compression capabilities the at least two output devices.

31. (New) The system of claim 30, wherein said multi-media data comprises at least one of: video data, audio data or digital pictures.

32. (New) The system of claim 30, wherein said output device comprises a display device.

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33. (New) The system of claim 30, wherein said output device comprises a storage device.

34. (New) The system of claim 30, further comprising:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device.

35. (New) The system of claim 34, wherein said external device comprises a portable media player.

36. (New) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving multi-media data in a first format;

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on

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one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

REMARKS

Applicants respectfully request further examination and reconsideration in view of the above amendments and arguments set forth fully below.

Substance of Interview Summary

The Applicant thanks Examiners Murphy and Nawaz for conducting an interview with the Applicant and the Applicant's attorney on May 29, 2011. Mr. Sean Barger, inventor and Applicant, was present at the interview and Mr. Joseph Weatherbee (64,810) was present at the interview as counsel for the Applicant.

During the interview, the parties first discussed the Applicants' proposed amendment to Claim 1 in view of U.S. Patent No. 6,909,708 to Krishnaswamy et al. (hereinafter referred to as "Krishnaswamy") in view of United States Patent No. 6,563,517 to Bhagwat et al. (hereinafter referred to as "Bhagwat") and further in view of United States Patent No. 6,483,851 to Neogi (hereinafter referred to as "Neogi").

Without intending to mischaracterize the substance of the interview, Applicant is of the opinion that the Examiner agreed that the proposed amendments are adequate overcome the rejections under 35 U.S.C. § 103.

However, the Examiner indicated that further search and consideration might allow him to reject the Claims with an application of further prior art. Accordingly,

the parties discussed further claim limitations that distinguish the hypothetical combination of the art of record and that could potentially be allowable despite a further search.

Finally, Mr. Weatherbee indicated the Applicants' desire to expedite prosecution and willingness to discuss any issues arising from this response in a subsequent Examiner-initiated interview. The Examiner replied that he would contact Mr. Weatherbee in the event that he has any questions or if any objections or rejections arise that may be addressed by Examiner's amendment.

Claim Rejections under 35 U.S.C. § 103

Also within the Office Action, Claims 1-3, 5-13, 15-20, and 22-23 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,909,708 to Krishnaswamy et al. (hereinafter referred to as "Krishnaswamy") in view of United States Patent No. 6,563,517 to Bhagwat et al. (hereinafter referred to as "Bhagwat") and further in view of United States Patent No. 6,483,851 to Neogi (hereinafter referred to as "Neogi").

To establish a *prima facie* case of obviousness of a claimed invention, all the claimed features must be taught or suggested by the prior art. *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). The Applicants respectfully traverse this rejection, because discloses all of the limitations of Claims 1-3, 5-13, 15-20, and 22-23.

Specifically neither Krishnaswamy, Bhagwat, nor Neogi teach or suggest "automatically transcoding, without input by a network user, said multi-media data into a plurality of formats based on the format of any output device from among the plurality of output devices."

Within the Office Action, the Examiner admits that Krishnaswamy does not teach "transcoding simultaneously said multi-media data into at least one alternate format that is different from said first format, while said multi-media data is transmitted to said output device." The Applicants agree.

However, the Examiner cites Bhagwat for the notion that Bhagwat involves simultaneous transcoding and outputting data. Accordingly, Applicants amend the Claims herein to distinguish Bhagwat more clearly. More specifically, Applicants specify that the transcoding is performed based only on the output formats of the devices that the media is being sent to. This is in stark contrast to Bhagwat. Indeed, when it comes to how to transcode media data, the primary consideration in Bhagwat is the network bandwidth. Therefore, in Bhagwat the only concern is not destination output format, but rather bandwidth.

Furthermore, the Examiner admits that the hypothetical combination of Krishnaswamy and Bhagwat does not involve:

> "transcoding said multi-media data into a plurality of formats that are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi-media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and
>
> receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities"

The Applicants agree. However, the Examiner further cites Neogi to allege that these features are well-known and that, when combined with the teachings of Krishnaswamy and Bhagwat, render the Claims obvious. The Applicants disagree. However, for the sole purpose of expediting prosecution, Applicants further amend the Claims to distinguish Neogi more clearly.

More specifically, the Applicants amend the Claims to specify that the transcoding is performed "automatically", "at the time of the request", and "without input by a network user."

On the other hand, Neogi admits that it requires human participation.

Indeed, Neogi explicitly specifies that the transcoding performed is done so only after a network user specifies one or more of:

> "1. Command Type (e.g. Connection request) 2. Ports (channel identifications) 3. Media Type 4. Bit-Rate 5. Frame Rate 6. Resolution 7. End-to-End Latency 8. Interlace 9. Signature 10. Loss Percentage 11. Content Identification 12. Code Type 13. Filter 14. Filter Parameter 15. Prediction 16. Hostname."

Clearly, Neogi requires input by a network user.

On the other hand, the Applicant's invention bases the transcode parameters on only "the format of any output device from among the plurality of output devices," rather than user input, and do so automatically.

Furthermore, as explained above, Applicant is of the opinion that the Examiner agreed that the Claims, as amended above, are not rendered obvious by a hypothetical combination of Krishnaswamy, Bhagwat, and Neogi.

For at least these reasons, the Applicant respectfully requests that the Examiner remove his rejections under 35 U.S.C. § 103.

For the record, the Applicant respectfully traverses any and all factual assertions in the file that are not supported by documentary evidence. Such include assertions based on findings of inherency, assertions based on Official Notice, and any other assertions of what is well known or commonly known in the prior art.

The foregoing amendments are made solely in the interest of expediency, in recognition of the Office policy of compact prosecution. They do not indicate agreement by Applicant with the Office's position, nor do they reflect intent to forsake Claim scope. In fact, Applicant expressly reserves the right to pursue patent protection of a scope it is reasonably entitled to in future submissions to the Office.

CONCLUSION

Applicant respectfully posits that the pending claims have been distinguished from the art of record, and that all objections to and rejections of the claims have been overcome. Accordingly, Applicant respectfully requests allowance. Should the Examiner deem it helpful he is encouraged to contact Applicant's attorney at (650) 474-8400.

Respectfully submitted,



Michael A. Glenn
Reg. No. 30,176

Customer No. 22862

Electronic Patent Application Fee Transmittal

Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Jessica Pallach
Attorney Docket Number:	EQUI0016

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Claims in excess of 20	2202	13	26	338
Independent claims in excess of 3	2201	3	110	330
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
Request for continued examination	2801	1	405	405
		Total in USD ($)		**1073**

Electronic Acknowledgement Receipt	
EFS ID:	10320808
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Jessica Pallach
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	16-JUN-2011
Filing Date:	15-JUL-2008
Time Stamp:	15:11:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$1073
RAM confirmation Number	1496
Deposit Account	071445
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		RCEresponse-EQUI0016--efiled061611.pdf	640638 02674342bf54704c609d41d11433a940abd02d68	yes	20

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Request for Continued Examination (RCE)	1	2
Amendment Submitted/Entered with Filing of CPA/RCE	3	3
Claims	4	14
Applicant Arguments/Remarks Made in an Amendment	15	20

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	33321 abaeb718e7827e6ec12f969ae57e7f52b15868fe	no	2

Warnings:

Information:

Total Files Size (in bytes):	673959

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/173,747	07/15/2008	

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☒		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	06/16/2011	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 33	Minus	** 23	= 10	X $26 =	260	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 6	Minus	***3	= 3	X $110 =	330	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	590	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L 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.

Legal Instrument Examiner:
/DIANE WILLIAMS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	First Named Inventor: Sean BARGER
Statement By Applicant	Art Unit: 2455
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
	1	5,845,279	12/1998	Garofalakis, et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
	2	2009/0254672	10/2009	Zhang
	3	2010/0153495	06/2010	Barger, et al.
	4	2009/0089422	04/2009	Barger, et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature:_____ Date:_____

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.

Electronic Acknowledgement Receipt

EFS ID:	10418769
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	29-JUN-2011
Filing Date:	15-JUL-2008
Time Stamp:	17:04:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		EQUI0016-IDS-2011-06-29.pdf	428915 9775b6cd9a20ce0066148e20be7ab2185469faaf	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	2
	Information Disclosure Statement (IDS) Form (SB08)	3	3
Warnings:			
Information:			
	Total Files Size (in bytes):	428915	

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New International Application Filed with the USPTO as a Receiving Office
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2455
Confirmation Number	:	7377
Examiner	:	Charles C. Murphy
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

June 29, 2011

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Examiner:

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 $180.00 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 $180.00 fee under 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No.EQUI0016).

(X) Applicant(s) submit herewith PTO Form 1449 (Modified) -- 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 1.56.

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

Respectfully Submitted,



Michael A. Glenn
Reg. No. 30,176

Customer No. 22862

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EXAMINER	
MURPHY, CHARLES C	
ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ptomatters@glenn-law.com

Office Action Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2455	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 *16 June 2011*.

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ 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

5)☒ Claim(s) *1-3,5-13,15-20 and 22-36* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-3,5-13,15-20 and 22-36* is/are rejected.

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

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

Application Papers

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

11)☐ 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).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

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.

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/SB/08) Paper No(s)/Mail Date *06/29/2011*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Detailed Action

This Office Action is responsive the Amendment filed on 06/16/2011. Claims 1, 11, and 19 have been amended. Claims 1-3, 5-13, 15-20 and 22-36 remain pending for examination. Claims 4, 14, and 21 have been canceled from examination by applicant.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/16/2011 has been entered.

Claim Objections

Claims 28 and 29 are objected to because of the following informalities: Claims 28 and 29 are duplicate to claims 7 and 8 respectively. Appropriate correction is required.

Information Disclosure Statement

The information disclosure statement (IDS) submitted was filed on 06/29/2011. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner

Claim Rejections - 35 USC § 103

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.

1. **Claims 19, 20 and 22are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki)**
2. Regarding claim 19 **Suzuki** teaches a non-transitory computer-readable medium comprising:

   receiving multi-media data in a first format; transmitting said multi-media data to an output device; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55; col. 15, lines 7-25)***

   automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats

based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats that are different from said first format, while said multi-media data is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said multi-media data based on resolution capabilities of at least two output devices, a frame rate of said multi-media data based on frame rate capabilities of at least two output devices, and a compression format of said multi-media data based on compression capabilities of at least two output devices. *(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of **Suzuki** is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media , the system of **Suzuki***

would have the requested media file outputted in the correct format to the requesting devices.)

3. Regarding claims 20 **Suzuki** further teaches the non-transitory computer-readable medium of claim 19, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

4. Regarding claims 22 **Suzuki** further teaches the non-transitory computer-readable medium of claim 19, further comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

5. Claims 1-2, 5, 7-8, 11-12, 15, 17-18, 24-26, 28-32, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445

(hereinafter referred to as Suzuki) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in further view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

6. Regarding claim 1, **Suzuki** teaches an non transitory computer program product comprising:

receiving multi-media data in a first format; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format)* ***(Suzuki, col. 6, lines 20-55)***

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is formatted to specified clients, regardless of the base media format stored in the data server, it would be obvious that various devices with different media requirements would be able to request the same media and have it outputted in the correct format to requesting devices.)* ***(Suzuki, col. 6, lines 55-67)***

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi\- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and. *(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

1. Regarding claims 2, , **Suzuki-Bhagwat** further teaches the method of claim 1, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

2. Regarding claims 5, **Suzuki-Bhagwat** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

3. Regarding claims 7, **Suzuki-Bhagwat** further teaches the method of claim 1, comprising:

transmitting said transcoded multi-media data in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

4. Regarding claim 8, **Suzuki-Bhagwat** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat** does teach

sending converted video data to client computers**. *(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

5. Regarding claim 11, **Suzuki** teaches a system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested*

format. ***(Suzuki, col. 6, lines 20-55)*** *It is well known in the art for multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is formatted to specified clients, regardless of the base media format stored in the data server, it would be obvious that various devices with different media requirements would be able to request the same media and have it outputted in the correct format to requesting devices.)*

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, said multimedia data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, wherein said transcoder is configured for: changing a resolution of said multi-media data based on the resolution capabilities the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities the at least two output devices. *(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client*

device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices) ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

and simultaneously transcode said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device,

In an analogous art, **Bhagwat** does teach:

and simultaneously transcode said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device, (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

6. Regarding claims 12 **Suzuki -Bhagwat** further teaches the system of claim 11, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

7. Regarding claims 15 **Suzuki -Bhagwat** further teaches the system of claim 11, wherein:

said output device comprises a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

8. Regarding claims 17 **Suzuki -Bhagwat** further teaches the system of claim 11, wherein:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats*

including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.) ***(Suzuki, col. 6, lines 35-67)***

9. Regarding claim 18 **Suzuki -Bhagwat** does not explicitly teach:

said external device comprises a portable media player.

However, **Suzuki -Bhagwat** does teach

sending converted video data to client computers ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

10. Regarding claim 24 , **Suzuki** teaches a method comprising:

receiving multi-media data in a first format; receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags; (***Suzuki*** *teaches a data*

access server used to receive media files from a multimedia server and transcode media files into a requested format. ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.)*

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,*(****Suzuki*** *teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information*

*signal which includes various transcoding and performance parameters of a requesting client which are used to determine the correct format for the requesting device.**(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and*(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

11. Regarding claims 25 **Suzuki -Bhagwat** further teaches the method of claim 24, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

12. Regarding claims 26 **Suzuki -Bhagwat** further teaches the method of claim 24, wherein:

transmitting said multi-media data to a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

13. Regarding claims 28 **Suzuki -Bhagwat** further teaches the method of claim 1, wherein:

transmitting said transcoded multi-media data in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

14. Regarding claims 29 **Suzuki -Bhagwat Suzuki-Bhagwat** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat** does teach

sending converted video data to client computers**.** ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

15. Regarding claim 30 , **Suzuki** teaches a system comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55)*** *It is well known and obvious to one of*

ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.)*

a request parser configured for receiving a request from a client for transmitting said multi-media data to one or more output devices, wherein at least two devices from said one or more output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags, and for automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and*

*performance parameters of a requesting client.**(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)** It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of **Suzuki** is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of **Suzuki** would have the requested media file outputted in the correct format to the requesting devices.)*

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, and wherein said plurality of output devices are different from said first format, wherein said transcoder is configured for changing a resolution of said multi-media data based on the resolution capabilities the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities the at least two output devices, and changing a compression format of said multi-media

data based on the compression capabilities the at least two output devices. *(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transcoding simultaneously said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device,

In an analogous art, **Bhagwat** teaches:

transcoding simultaneously said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device,

(**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki**

before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

16. Regarding claims 31**Suzuki -Bhagwat** further teaches the system of claim 30, wherein:

said multi-media data comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

17. Regarding claims 32 **Suzuki -Bhagwat** further teaches the system of claim 30, wherein:

said output device comprises a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

18. Regarding claims 34 **Suzuki -Bhagwat** further teaches the system of claim 30, comprising:

one or more interfaces for transmitting said transcoded multi-media data in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well*

known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.) ***(Suzuki, col. 6, lines 35-67)***

19. Regarding claims 35 **Suzuki-Bhagwat** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat** does teach

sending converted video data to client computers**.** ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

20. Regarding claim 36 , **Suzuki** teaches a non-transitory computer readable medium comprising:

receiving multi-media data in a first format; receiving a request for said multi-media data to a plurality of output devices, wherein at least two

devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55; col. 15, lines 1-50)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.* ***Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags, (***Suzuki*** *teaches a*

data access server used to receive media files from a multimedia server and transcode media files into a requested format. ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said multi\- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and*(****Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on*

a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices) ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding

system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

7. Claims 3, 6, 9-10, 13, 16, 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in further view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

21. Regarding claims 3 **Suzuki-Bhagwat** does not teach:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

In an analogous art, **Krishnaswamy** teaches:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and

Krishnaswamy before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

22. Regarding claims 6, **Suzuki-Bhagwat- Krishnaswamy** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

23. Regarding claims 9 **Suzuki-Bhagwat- Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a service provider. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

24. Regarding claims 10 **Suzuki-Bhagwat- Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a local content source. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and

Krishnaswamy before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

25. Regarding claims 13 **Suzuki-Bhagwat- Krishnaswamy** further teaches the system of claim 11, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

26. Regarding claims 16 **Suzuki-Bhagwat- Krishnaswamy** further teaches the system of claim 11, wherein:

said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

27. Regarding claims 33 **Suzuki –Bhagwat- Krishnaswamy** further teaches the method of claim 24, wherein:

said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

8. Claims 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

28. Regarding claims 23 **Suzuki** does not teach:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format

In an analogous art, **Krishnaswamy** teaches:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki** and **Krishnaswamy** before him or her, to modify **Suzuki** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is

(571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2455

/EMMANUEL L. MOISE/
Supervisory Patent Examiner, Art Unit 2455

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2455	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,463,445	10-2002	Suzuki et al.	1/1
*	B	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
*	C	US-6,563,517	05-2003	Bhagwat et al.	715/735
	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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy
709	247 217	9/23/2010	Charles Murphy
704	503 500 230 204	9/23/2010	Charles Murphy
709	227 226 223 219 206 204 203	3/12/2011	Charles Murphy
370	480 467 465 389 356 353	3/12/2011	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	6/13/2012	Charles Murphy
709	247 236 227 226 223 219 206 204 203	6/13/2012	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy
Searched East	9/23/2010	Charles Murphy
Consulted Quang Nguyen	9/23/2010	Charles Murphy
Searched East	3/12/2011	Charles Murphy
Searched East	6/13/2012	Charles Murphy

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/CHARLES MURPHY/ Examiner.Art Unit 2455	

Form 1449 (Modified)	Serial No.: 12/173,747
	Atty. Docket No.: EQUI0016
Information Disclosure	First Named Inventor: Sean BARGER
Statement By Applicant	Art Unit: 2455
	Confirmation No.: 7377
(Use Several Sheets if Necessary)	Filing Date: July 15, 2008

U.S. Patent Documents

Examiner Initials	No.	Patent No.	Issue Date	Patentee	Filing Date
/C.M./	1	5,845,279	12/1998	Garofalakis, et al.	

Published U.S, Patent Application

Examiner Initials	No.	Publication No.	Publication Date	Applicant
/C.M./	2	2009/0254672	10/2009	Zhang
/C.M./	3	2010/0153495	06/2010	Barger, et al.
/C.M./	4	2009/0089422	04/2009	Barger, et al.

Foreign Patent or Published Foreign Patent Application

Examiner Initials	No.	Document No.	Publication Date	Applicant

Non-Patent Literature Documents

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

Examiner's Signature: /Charles Murphy/ Date: 06/13/2012

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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20090254672").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 14:44
S2	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" | "5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" | "6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:48
S3	2	S2 (transcod$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:49
S4	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" | "5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" | "6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:51
S5	1	S4 (transcod$4 same cache)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:51
S6	34	(transcod$4) same (content or media or file) near4 (concurrent$3)	US-PGPUB; USPAT; USOCR; FPRS;	AND	ON	2010/10/07 17:40

			EPO; JPO; DERWENT; IBM_TDB			
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S8	0	(transcod$4) same (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S9	15	(transcod$4) (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
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S11	0	(transcod$4 same parameter) (content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:18
S12	2709	(content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S13	763	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S14	184	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S15	41	S14 (transcod$3 or convert)	US-PGPUB; USPAT;	AND	ON	2010/10/07 18:26

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
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S17	25	S14 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:27
S18	3	(content or media or file) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S19	157	(content or media or file) near5 (transcod$3 or convert$3) (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S20	6	S19 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S21	22	(content or media or file or audio or video or movie) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:31
S22	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 18:35
S23	0	S22 concurent$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S24	0	S22 concurent$4	US-PGPUB; USPAT; USOCR; FPRS;	AND	ON	2010/10/07 18:35

			EPO; JPO; DERWENT; IBM_TDB			
S25	1	S22 concurrent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S26	13	(transcod$4) same (content or media or file) near4 (base or primary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S27	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S28	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or prilimnary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:11
S29	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:12
S30	0	(transcod$4) near5 (profile) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:13
S31	1	(transcod$4) near5 (profile) same (content or media or file) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:13
S32	1	("6359902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/17 17:35
S33	0	S32 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	AND	ON	2011/03/17 17:35

			IBM_TDB			
S34	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:22
S35	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S36	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S37	3	S34 or S35 or S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S38	0	S37 cache same media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S39	2	S37 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S40	1	S37 cache same transcode$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:24
S41	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S42	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S43	1	S41 preferences same request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 16:50
S44	0	(transcod$4 adj profile) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:46
S45	2	(transcod$4 near5 profile) @ay<"1999"	US-PGPUB; USPAT;	AND	ON	2011/11/18 20:57

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			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S46	106	US-1182225-$.DID. OR US-6147977-$.DID. OR US-7149893-$.DID. OR US-6829591-$.DID. OR US-6442589-$.DID. OR US-5327486-$.DID. OR US-6892230-$.DID. OR US-6748569-$.DID. OR US-7221658-$.DID. OR US-5400020-$.DID. OR US-5623260-$.DID. OR US-5657010-$.DID. OR US-5668543-$.DID. OR US-5708780-$.DID. OR US-5796394-$.DID. OR US-5870549-$.DID. OR US-5875437-$.DID. OR US-5937161-$.DID. OR US-6029148-$.DID. OR US-6052673-$.DID. OR US-6073166-$.DID. OR US-6151624-$.DID. OR US-6154738-$.DID. OR US-6157945-$.DID. OR US-6185603-$.DID. OR US-6212550-$.DID. OR US-6216165-$.DID. OR US-6219714-$.DID. OR US-6278936-$.DID. OR US-6314402-$.DID. OR US-6313760-$.DID. OR US-6317060-$.DID. OR US-6363254-$.DID. OR US-6363323-$.DID. OR US-6411891-$.DID. OR US-6415207-$.DID. OR US-5899995-$.DID. OR US-6314434-$.DID. OR US-5742763-$.DID. OR US-6513019-$.DID. OR US-5073852-$.DID. OR US-6542515-$.DID. OR US-5805810-$.DID. OR US-5819046-$.DID. OR US-5579472-$.DID. OR US-5828314-$.DID. OR US-6167409-$.DID. OR US-6347340-$.DID. OR US-6430272-$.DID. OR US-6442591-$.DID. OR US-6438583-$.DID. OR US-6836792-$.DID. OR WO-0176119-$.DID. OR WO-0175604-$.DID. OR WO-0176264-$.DID. OR WO-0180130-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59
S47	18	S46 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59
S48	139	(transcoding near5 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:00
S49	3	(transcoding near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:01
S50	1	("7117361").PN.	US-PGPUB; USPAT;	OR	OFF	2011/11/18 21:02

			USOCR			
S51	1	S50 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:02
S52	355	((transcod$4 or translation) near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S53	49	((transcod$4 or translation) near profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S54	94	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5442771-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845279-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID. OR US-5903892-$.DID. OR US-5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6483851-$.DID. OR US-6484149-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID. OR US-6909708-$.DID. OR US-7284201-$.DID. OR US-7477688-$.DID. OR US-7673063-$.DID. OR US-20080155230-$.DID. OR US-20090254672-$.DID. OR US-5303198-$.DID. OR EP-0747842-$.DID. OR EP-0747842121996-$.DID. OR EP-0782085-$.DID. OR EP-0782085071997-$.DID. OR EP-0818907-$.DID. OR EP-0843276-$.DID. OR EP-0843276051998-$.DID. OR EP-0876034-$.DID. OR EP-0876034111998-$.DID. OR EP-0883068-$.DID. OR US-1211998-$.DID. OR EP-0886409-$.DID. OR EP-0895171-$.DID. OR EP-0926607-$.DID. OR EP-0926607061999-$.DID. OR EP-0949571-$.DID. OR EP-0949571101999-$.DID. OR WO-97149252-$.DID. OR US-1211997-$.DID. OR WO-9840842-$.DID. OR WO-9840842091998-	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:18

		$.DID. OR WO-9843177-$.DID. OR WO-9843177101998-$.DID. OR US-9830041-$.DID.				
S55	0	S54 (transcode same automatic$5 near5 client)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S56	1	S54 (transcode same automatic$5)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S57	42	(transcod$4 near5 automatic$4) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S58	1	S57 (parameter near5 client) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S59	2	S57 (parameter near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:26
S60	7	S57 (ident$6 near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:45
S61	2	("6563517").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/05/18 23:06

EAST Search History (Interference)

<This search history is empty>

6/13/2012 8:51:47 PM
C:\Users\cmurphy1\Documents\EAST\Workspaces\12173747.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	04/06/2010	09/23/2010	03/12/2011	06/13/2012					
	1	✓	✓	✓	✓					
	2	✓	✓	✓	✓					
	3	✓	✓	✓	✓					
	4	✓	-	-	-					
	5	✓	✓	✓	✓					
	6	✓	✓	✓	✓					
	7	✓	✓	✓	✓					
	8	✓	✓	✓	✓					
	9	✓	✓	✓	✓					
	10	✓	✓	✓	✓					
	11	✓	✓	✓	✓					
	12	✓	✓	✓	✓					
	13	✓	✓	✓	✓					
	14	✓	-	-	-					
	15	✓	✓	✓	✓					
	16	✓	✓	✓	✓					
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	28				✓					
	29				✓					
	30				✓					
	31				✓					
	32				✓					
	33				✓					
	34				✓					
	35				✓					
	36				✓					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2455
Confirmation Number	:	7377
Examiner	:	Charles C. MURPHY
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

September 26, 2012

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

RESPONSE TO OFFICE ACTION

Applicant submits this Response to the Office Action dated June 26, 2012 in connection with the above-identified patent application.

A **Listing of Claims** begins on Page 2 of this paper, and

Remarks begin on Page 13 of this paper.

The Commissioner is authorized to charge any fees that may be due and to credit any overpayments to Deposit Account 07-1445 (Order No. EQUI0016). Applicant considers this document to be filed in a timely manner.

LISTING OF CLAIMS

1. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file ~~data~~ in a first format;

receiving a request for said multi-media file ~~data~~ to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file ~~data~~ into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file ~~data~~ based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file ~~data~~ based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file ~~data~~ based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media file ~~data~~ to each output device from among said plurality of output devices in a compatible format.

2. (Currently Amended) The method of claim 1, wherein said data within said multi-media file ~~data~~ comprises at least one of: video data, audio data or digital pictures.

3. (Original) The method of claim 1, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

4. (Cancelled).

5. (Currently Amended) The method of claim 1, wherein said transmitting said multi-media file ~~data~~ to an output device comprises transmitting said multi-media file ~~data~~ to a display device.

6. (Currently Amended) The method of claim 1, wherein said transmitting said multi-media file ~~data~~ to an output device comprises transmitting said multi-media file ~~data~~ to a storage device.

7. (Currently Amended) The method of claim 1, further comprising:

transmitting said transcoded multi-media file ~~data~~ in said alternate format to an external device.

8. (Original) The method of claim 7, wherein said external device comprises a portable media player.

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9. (Currently Amended) The method of claim 1, wherein said multi-media file ~~data~~ in said first format is received from a service provider.

10. (Currently Amended) The method of claim 1, wherein said multi-media file ~~data~~ in said first format is received from a local content source.

11. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving a multi-media file ~~data~~ in a first format and for transmitting said multi-media file ~~data~~ to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, and simultaneously data within said multi-media file ~~data~~ into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media file ~~data~~ is transmitted to said output device, wherein said transcoder is configured for:

changing a resolution of said data within said multi-media file ~~data~~ based on the resolution capabilities the at least two output devices,

changing a frame rate of said data within said multi-media file ~~data~~ based on the frame rate capabilities the at least two output devices, and

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changing a compression format of said data within said multi-media file ~~data~~ based on the compression capabilities the at least two output devices.

12. (Currently Amended) The system of claim 11, wherein said data within said multi-media file ~~data~~ comprises at least one of: video data, audio data or digital pictures.

13. (Original) The system of claim 11, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

14. (Cancelled).

15. (Original) The system of claim 11, wherein said output device comprises a display device.

16. (Original) The system of claim 11, wherein said output device comprises a storage device.

17. (Currently Amended) The system of claim 11, further comprising:

one or more interfaces for transmitting said transcoded multi-media file ~~data~~ in said alternate format to an external device.

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18. (Original) The system of claim 17, wherein said external device comprises a portable media player.

19. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file ~~data~~ in a first format;

transmitting said multi-media file ~~data~~ to an output device; and

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file ~~data~~ into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format, while said data within said multi-media file ~~data~~ is transmitted to said output device, wherein said transcoder is configured for changing each of: a resolution of said data within said multi-media file ~~data~~ based on resolution capabilities of at least two output devices, a frame rate of said data within said multi-media file ~~data~~ based on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file ~~data~~ based on compression capabilities of at least two output devices.

20. (Currently Amended) The non-transitory computer readable medium of claim 19, wherein said transmitting said multi-media file ~~data~~ to an output device comprises

transmitting said multi-media file ~~data~~ to at least one of: a display device or a storage device.

21. (Cancelled).

22. (Currently Amended) The non-transitory computer readable medium of claim 19, further comprising:

transmitting said transcoded multi-media file ~~data~~ in said alternate format to an external device.

23. (Previously Presented) The non-transitory computer readable medium of claim 19, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

24. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file ~~data~~ in a first format;

receiving a request for said multi-media file ~~data~~ to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file ~~data~~ into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file ~~data~~ based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file ~~data~~ based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file ~~data~~ based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media file ~~data~~ to each output device from among said plurality of output devices in a compatible format.

25. (Currently Amended) The method of claim 24, wherein said data within said multi-media file ~~data~~ comprises at least one of: video data, audio data or digital pictures.

26. (Currently Amended) The method of claim 24, wherein said transmitting said multi-media file ~~data~~ to an output device comprises transmitting said multi-media file ~~data~~ to a display device.

27. (Currently Amended) The method of claim 24, wherein said transmitting said multi-media file ~~data~~ to an output device comprises transmitting said multi-media file ~~data~~ to a storage device.

28. (Currently Amended) The method of claim [[1]] 24, further comprising:

transmitting said transcoded multi-media file ~~data~~ in said alternate format to an external device.

29. (Currently Amended) The method of claim [[7]] 28, wherein said external device comprises a portable media player.

30. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving a multi-media file ~~data~~ in a first format and for transmitting said multi-media file ~~data~~ to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a request parser configured for receiving a request from a client for transmitting said multi-media file ~~data~~ to one or more output devices, wherein at least two devices from said one or more output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags, and for automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags;

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, and simultaneously data within said multi-media file ~~data~~ into a plurality of formats based on

one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media file ~~data~~ is transmitted to said output device, wherein said transcoder is configured for

changing a resolution of said data within said multi-media file ~~data~~ based on the resolution capabilities the at least two output devices,

changing a frame rate of said data within said multi-media file ~~data~~ based on the frame rate capabilities the at least two output devices, and

changing a compression format of said data within said multi-media file ~~data~~ based on the compression capabilities the at least two output devices.

31. (Currently Amended) The system of claim 30, wherein said data within said multi-media file ~~data~~ comprises at least one of: video data, audio data or digital pictures.

32. (Previously Presented) The system of claim 30, wherein said output device comprises a display device.

33. (Previously Presented) The system of claim 30, wherein said output device comprises a storage device.

34. (Currently Amended) The system of claim 30, further comprising:

one or more interfaces for transmitting said transcoded multi-media file ~~data~~ in said alternate format to an external device.

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35. (Previously Presented) The system of claim 34, wherein said external device comprises a portable media player.

36. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file ~~data~~ in a first format;

receiving a request for said multi-media file ~~data~~ to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file ~~data~~ into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file ~~data~~ based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file ~~data~~ based on the frame rate capabilities of the at least two output devices, and changing a compression format

of said data within said multi-media file ~~data~~ based on the compression capabilities of the at least two output devices; and

transmitting simultaneously with said transcoding said multi-media file ~~data~~ to each output device from among said plurality of output devices in a compatible format.

REMARKS

Applicants respectfully request further examination and reconsideration in view of the above amendments and arguments set forth fully below.

CLAIM OBJECTIONS

In the herein submitted claims, the dependency of Claims 28 and 29 has been corrected to address the Examiner's claim objections.

CLAIM REJECTIONS – 35 USC § 103

Claims 1, 19, and 22 are rejected under 35 USC § 103(a) as being unpatentable over Suzuki *et al* (USPN 6,463,445); and

Claims 1, 2, 5, 7, 8, 11, 12, 15, 17, 18, 24-26, 28-32, and 34-36 are rejected under 35 USC § 103(a) as being unpatentable over Suzuki *et al* (USPN 6,463,445) in view of Bhagwat *et al* (USPN 6,563,517); and

Claims 3, 6, 9, 10, 13, 16, 33, and 34 are rejected under 35 USC § 103(a) as being unpatentable over Suzuki *et al* (USPN 6,463,445) in view of Bhagwat *et al* (USPN 6,909,708) in further view of Krishnaswamy (USPN 6,909,708).

Applicant thanks the Examiner for his courtesy and assistance during an interview that was held on August 24, 2012. During the interview, Applicant discussed Suzuki and Bhagwat, in particular pointing out that both Suzuki and Bhagwat failed to teach or suggest transcoding of multiple parameters, *e.g.* frame rate, resolution, and compression format as asserted in the Office Action (for example, Suzuki is only concerned with converting a video stream, for example from MPEG to DV); that neither Suzuki nor Bhagwat taught or suggested targeting "at least two output devices" simultaneously; and that the invention transcodes files and not streams. On this latter point, the Examiner indicated that a claim amendment setting forth that the invention concerned files would overcome the present rejection under 35 USC § 103 with regard to Applicant's independent claims. Accordingly, Applicant submits herewith a revised set of claims that are so amended. Applicant has amended the dependent claims for consistency. As such, the present rejection is deemed overcome.

Applicant has sought to summarize the substance of the above-mentioned interview in good faith. Any errors or inaccuracy is entirely unintentional.

CONCLUSION

Applicant respectfully posits that all objections to and rejections of the claims have been overcome. Accordingly, Applicant respectfully requests allowance. Should the Examiner deem it helpful he is encouraged to contact Applicant's attorney, Michael A. Glenn, at (650) 474-8400.

Respectfully submitted,

/Julia A. Thomas/

Julia A. Thomas

Reg. No. 52,283

Customer No. 22862

PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12173747
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7313361		2007-12-25	Steelberg, et al.	
	2	7406434		2008-07-29	Chang, et al.	

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	1	20030225568		2003-12-04	Salmonsen	
	2	20040025176		2004-02-05	Franklin, et al.	
	3	20050255852		2005-11-17	Steelberg, et al.	
	4	20050278794		2005-12-15	Leinonen, et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12173747
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

	5	20060127059		2006-06-15	Fanning	
	6	20070061198		2007-03-15	Ramer, et al.	
	7	20080195938		2008-08-14	Tischer, et al.	
	8	20080205389		2008-08-28	Fang, et al.	
	9	20080207182		2008-08-28	Maharajh, et al.	
	10	20090013347		2009-01-08	Ahanger, et al.	
	11	20090240569		2009-09-24	Ramer, et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12173747
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		☐

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12173747
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Julia A. Thomas/	Date (YYYY-MM-DD)	2012-09-26
Name/Print	Julia A. Thomas	Registration Number	52283

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Christine Ortt
Attorney Docket Number:	EQUI0016

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	13842333
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	26-SEP-2012
Filing Date:	15-JUL-2008
Time Stamp:	14:21:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180
RAM confirmation Number	591
Deposit Account	071445
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2012-09-26-Response-EQUI0016.pdf	60913 dcd85300cfdb0c9291bb7d4f1ada9d7eb6d6081b	yes	15

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	12
Applicant Arguments/Remarks Made in an Amendment	13	15

Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	2012-09-26-IDS-EQUI0016.pdf	612909 9b77d117ca79923213e1a62fd6657cefb6571bdc	no	5
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30065 6a377bfcb3dbb0ca4d824dd91e07ee2c7de77406	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	703887		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

<u>National Stage of an International Application under 35 U.S.C. 371</u>
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. 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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
12/173,747	07/15/2008	

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☒		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	09/26/2012	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 33	Minus	** 33	= 0	X $30 =	0	OR	X $ =	
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $125 =	0	OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L 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.

Legal Instrument Examiner:
/STANLEY JORDAN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2455	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES MURPHY*. (3)_____.

(2) *Michael A Glenn (Reg. 30,176)*. (4)_____.

Date of Interview: *08/248/2012*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Examiner suggested adding amendments to overcome prior art. Specifically suggested adding limitations for creating a new transcoded file vs transcoding a bit stream and the act of appending the rest of a file onto an already transcoded file from a base version of said file.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES MURPHY/ Examiner, Art Unit 2455	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	EQUI0016	7377

22862 7590 02/06/2013

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

EXAMINER	
MURPHY, CHARLES C	
ART UNIT	PAPER NUMBER
2455	

NOTIFICATION DATE	DELIVERY MODE
02/06/2013	ELECTRONIC

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

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ptomatters@glenn-law.com

Office Action Summary	Application No.	Applicant(s)	
	12/173,747	BARGER ET AL.	
	Examiner	Art Unit	
	CHARLES MURPHY	2455	

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 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 *26 September 2012*.

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ 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

5)☒ Claim(s) *1-3,5-13,15-20 and 22-36* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-3,5-13,15-20 and 22-36* is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☐ 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).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *09/26/2012*.

3) ☒ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

Detailed Action

This Office Action is responsive the Amendment filed on 09/26/2012. Claims 1-2, 5-7, 9-12, 17, 19-20, 22, 24-31, 34, and 36 have been amended. Claims 1-3, 5-13, 15-20, and 22-36 remain pending for examination. Claims 4, 14, and 21 have been withdrawn from examination by applicant.

Examiner Note

Although the parent application (09/425326) of the instant application has a priority date of 10/21/1999, the claim language of the instant application contains limitations that are not supported in this parent application. Instead, support of said limitations is found in application 11/269916, a continuation in part of application 09/425326. As such the priority date of application 11/269916, 11/07/05, is used as the priority date of the instant application.

Claim Rejections - 35 USC § 103

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.

1. **Claims 19, 20 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in**

further view of Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund)

2. Regarding claim 19 **Suzuki** teaches a non-transitory computer-readable medium comprising:

receiving multi-media data in a first format; transmitting said multi-media data to an output device; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55; col. 15, lines 7-25)***

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats that are different from said first format, while said multi-media data is transmitted to said output device, *(****Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7,***

lines 20-35; col. 8, lines 24-65) *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.)*

Suzuki does not teach:

wherein said transcoder is configured for changing each of: a resolution of said data within multi-media file based on resolution capabilities of at least two output devices, a frame rate of said data within said multi-media data within on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file based on compression capabilities of at least two output devices.

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoder is configured for changing each of: a resolution of said data within multi-media file based on resolution capabilities of at least two output devices, a frame rate of said data within said multi-media data within on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file based on compression capabilities of at least two output devices. *(**Lund** teaches the ability to transmit parameters to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki** and **Lund** before him or her, to modify **Suzuki** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device. *(**Lund, paragraphs 20)***

3. Regarding claims 20 **Suzuki-Lund** further teaches the non-transitory computer-readable medium of claim 19, wherein:

> said transmitting said multi-media file to an output device comprises transmitting said multi-media data to at least one of: a display device or a storage device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

4. Regarding claims 22 **Suzuki-Lund** further teaches the non-transitory computer-readable medium of claim 19, further comprising:

> transmitting said transcoded multi-media file in said alternate format to an external device. (***Suzuki** teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

5. Claims 1-2, 5, 7-8, 11-12, 15, 17-18, 24-26, 28-32, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in further view of Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund)

6. Regarding claim 1, **Suzuki** teaches an non transitory computer program product comprising:

receiving multi-media data in a first format; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format)* ***(Suzuki, col. 6, lines 20-55)***

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is formatted to specified clients, regardless of the base media format stored in the data server, it would be obvious that various devices with different media requirements would be able to request the same media and have it outputted in the correct format to requesting devices.)* ***(Suzuki, col. 6, lines 55-67)***

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the

plurality of output devices, wherein said plurality of formats are different from said first format. *(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format.)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

Suzuki-Bhagwat does not teach:

wherein said transcoding comprises each of: changing a resolution of said multi- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoding comprises each of: changing a resolution of said multi- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing

a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and *(**Lund** teaches the ability to transmit parameters to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Lund** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device.*(**Lund, paragraphs 20)***

7. Regarding claims 2, **Suzuki-Bhagwat-Lund** further teaches the method of claim 1, wherein:

said data within said multi-media file comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

8. Regarding claims 5, **Suzuki-Bhagwat-Lund** further teaches the method of claim 1, wherein:

said transmitting said multi-media file to an output device comprises transmitting said multi-media file to a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

9. Regarding claims 7, **Suzuki-Bhagwat-Lund** further teaches the method of claim 1, comprising:

transmitting said transcoded multi-media file in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

10. Regarding claim 8, **Suzuki-Bhagwat-Lund** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat-Lund** does teach

sending converted video data to client computers**.** ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

11. Regarding claim 11, **Suzuki** teaches a system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested*

format. ***(Suzuki, col. 6, lines 20-55)*** *It is well known in the art for multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is formatted to specified clients, regardless of the base media format stored in the data server, it would be obvious that various devices with different media requirements would be able to request the same media and have it outputted in the correct format to requesting devices.)*

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, said multimedia data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format,*(**Suzuki** teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

and simultaneously transcode data within said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device,

In an analogous art, **Bhagwat** does teach:

and simultaneously transcode data within said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device, (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

Suzuki-Bhagwat does not teach:

wherein said transcoder is configured for: changing a resolution of said data within multi-media file based on the resolution capabilities the at least

two output devices, changing a frame rate of said data within of said multi-media file based on the frame rate capabilities the at least two output devices, and changing a compression format of said data within multi-media file based on the compression capabilities the at least two output devices.

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoder is configured for: changing a resolution of said data within multi-media file based on the resolution capabilities the at least two output devices, changing a frame rate of said data within of said multi-media file based on the frame rate capabilities the at least two output devices, and changing a compression format of said data within multi-media file based on the compression capabilities the at least two output devices. *(**Lund** teaches the ability to transmit parameters to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Lund** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device.*(**Lund, paragraphs 20)***

12. Regarding claims 12 **Suzuki-Bhagwat-Lund** further teaches the system of claim 11, wherein:

said data within said multi-media file comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

13. Regarding claims 15 **Suzuki-Bhagwat-Lund** further teaches the system of claim 11, wherein:

said output device comprises a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

14. Regarding claims 17 **Suzuki-Bhagwat-Lund** further teaches the system of claim 11, wherein:

> one or more interfaces for transmitting said transcoded multi-media file in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

15. Regarding claim 18 **Suzuki-Bhagwat-Lund** does not explicitly teach:

> said external device comprises a portable media player.

However, **Suzuki-Bhagwat-Lund** does teach

> sending converted video data to client computers ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would

be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

16. Regarding claim 24 , **Suzuki** teaches a method comprising:

receiving multi-media data in a first format; receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be*

obvious that if various devices with different media requirements requested the same media, the system of ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.)*

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,*(****Suzuki*** *teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client which are used to determine the correct format for the requesting device.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format *(****Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display*

requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices) ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding

system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

Suzuki-Bhagwat does not teach:

wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and *(**Lund** teaches the ability to transmit parameters*

*to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Lund** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device.*(**Lund, paragraphs 20)***

17. Regarding claims 25 **Suzuki-Bhagwat-Lund** further teaches the method of claim 24, wherein:

said data within said multi-media file comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio) **(Suzuki, col. 6, lines 35-55)***

18. Regarding claims 26 **Suzuki-Bhagwat-Lund** further teaches the method of claim 24, wherein:

transmitting said multi-media file to a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

19. Regarding claims 28 **Suzuki-Bhagwat-Lund** further teaches the method of claim 1, wherein:

transmitting said transcoded multi-media file in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

20. Regarding claims 29 **Suzuki-Bhagwat-Lund** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat-Lund** does teach

sending converted video data to client computers**.** ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

21. Regarding claim 30 , **Suzuki** teaches a system comprising:

a controller for receiving multi-media data in a first format and for transmitting said multi-media data to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the*

requested media file outputted in the correct format to the requesting devices.)

a request parser configured for receiving a request from a client for transmitting said multi-media data to one or more output devices, wherein at least two devices from said one or more output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags, and for automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.****(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be*

obvious that if various devices with different media requirements requested the same media, the system of ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.)*

a transcoder, coupled to said controller and said request parser, for automatically transcoding, at the time of said request, without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, and wherein said plurality of output devices are different from said first format, *(****Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transcoding simultaneously data within said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device,

In an analogous art, **Bhagwat** teaches:

> transcoding simultaneously data within said multi-media data into a plurality of formats while said multi-media data is transmitted to said output device, (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

> At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

Suzuki-Bhagwat does not teach:

> wherein said transcoder is configured for changing a resolution of said data within said multi-media file based on the resolution capabilities the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities the at least two output devices, and changing a compression format of said data within said multi-

media file based on the compression capabilities the at least two output devices.

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoder is configured for changing a resolution of said data within said multi-media file based on the resolution capabilities the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities the at least two output devices. *(**Lund** teaches the ability to transmit parameters to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Lund** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device.*(**Lund, paragraphs 20)***

22. Regarding claims 31 **Suzuki-Bhagwat-Lund** further teaches the system of claim 30, wherein:

said data within said multi-media file comprises at least one of: video data, audio data or digital pictures. *(**Suzuki** teaches the media can be a video or picture or audio)* ***(Suzuki, col. 6, lines 35-55)***

23. Regarding claims 32 **Suzuki -Bhagwat** further teaches the system of claim 30, wherein:

said output device comprises a display device. *(**Suzuki** transmitting video to clients which display the video on a local display device)* ***(Suzuki, col. 6, lines 35-67)***

24. Regarding claims 34 **Suzuki-Bhagwat-Lund** further teaches the system of claim 30, comprising:

one or more interfaces for transmitting said transcoded multi-media file in said alternate format to an external device. (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. The video can be converted into various digital formats including MPEG or H.263 which is then transmitted in the desired format to requesting client devices.)* ***(Suzuki, col. 6, lines 35-67)***

25. Regarding claims 35 **Suzuki-Bhagwat-Lund** does not explicitly teach:

wherein said external device comprises a portable media player.

However, **Suzuki-Bhagwat-Lund** does teach

sending converted video data to client computers**.** ***(Suzuki, col. 6, lines 35-67)***

It would be obvious to one of ordinary skill in the art at the time of the invention, that a portable computer, such as a laptop, would be capable of playing multimedia data and displaying it on the display device. Therefore, would be obvious to one of ordinary skill in the art at the time of the invention to realize that a portable computer is a portable media player.

26. Regarding claim 36 , **Suzuki** teaches a non-transitory computer readable medium comprising:

receiving multi-media data in a first format; receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags; (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55; col. 15, lines 1-50)*** *It is well known and obvious to one of ordinary skill in the art that multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is transcoded to specified formats for requesting clients, regardless of the base media format stored in the data server, it would be obvious that if various devices with different media requirements requested the same media, the system of* ***Suzuki*** *would have the requested media file outputted in the correct format to the requesting devices.* ***Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance*

*parameters of a requesting client.**(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags, (***Suzuki*** *teaches a data access server used to receive media files from a multimedia server and transcode media files into a requested format.* ***(Suzuki, col. 6, lines 20-55) Suzuki*** *also teaches sending a content information signal and a client information signal to a data server. This content information signal can include a pointer or an URL to a requested media and is coupled with the Client information signal which includes various transcoding and performance parameters of a requesting client.**(Suzuki, col. 6, lines 20-67; col. 7, lines 13-22 and 36-55)***

automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format *(**Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media*

to said format. It is also very common for the frame rate and resolution to change when changing video formats and display formats for various devices) ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Suzuki does not teach:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format.

In an analogous art, **Bhagwat** teaches:

transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Bhagwat** and **Suzuki** before him or her, to modify **Suzuki** to include the teachings of **Bhagwat** because this would create a more dynamic and flexible transcoding

system by allowing the dynamic adjustment of transcoding parameters (**Bhagwat, col. 3, lines 25-30)**

Suzuki-Bhagwat does not teach:

wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

said multi-media data is a file

In an analogous art, **Lund** teaches:

wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and *(**Lund** teaches the ability to transmit parameters*

*to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat** and **Lund** before him or her, to modify **Suzuki-Bhagwat** to include the teachings of **Lund** because this would allow users to adjust image resolution, compression, and frame rate based on the requirements of a client device.*(**Lund, paragraphs 20)***

27. Claims 3, 6, 9-10, 13, 16, 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in view of Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund) in further view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

28. Regarding claims 3 **Suzuki-Bhagwat-Lund** does not teach:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

In an analogous art, **Krishnaswamy** teaches:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format. (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

29. Regarding claims 6, **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the method of claim 1, wherein:

said transmitting said multi-media data to an output device comprises transmitting said multi-media data to a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

30. Regarding claims 9 **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a service provider. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund**

and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

31. Regarding claims 10 **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the method of claim 1, wherein:

said multi-media data in said first format is received from a local content source. (**Krishnaswamy** teaches receiving the video content from any content source or from MCI (the provider).)**(Krishnaswamy, col. 134, lines 55-67)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

32. Regarding claims 13 **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the system of claim 11, wherein:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

33. Regarding claims 16 **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the system of claim 11, wherein:

said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund**

and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

34. Regarding claims 33 **Suzuki-Bhagwat-Lund-Krishnaswamy** further teaches the method of claim 24, wherein:

said output device comprises a storage device. (**Krishnaswamy** teaches sending multi-media data to a server for either storage or transmission to another external device) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki-Bhagwat-Lund** and **Krishnaswamy** before him or her, to modify **Suzuki-Bhagwat-Lund** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

35. Claims 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of

Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund) in further view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy)

36. Regarding claims 23 **Suzuki-Lund** does not teach:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format

In an analogous art, **Krishnaswamy** teaches:

said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format (**Krishnaswamy** teaches receiving analog video to be converted. The video can be transcoded into various digital formats including MPEG or H.263) **(Krishnaswamy, col. 135, lines 22-35)**

At the time of the invention, it would have been obvious to one of ordinary skill in the art, having the teachings of **Suzuki** and **Krishnaswamy** before him or her, to modify **Suzuki** to include the teachings of **Krishnaswamy** because this would create a system where users can manage and control a network while a network operator can maintain network quality and routing selection (**Krishnaswamy, col. 2, lines 60-63)**

Response to Arguments

Applicant's arguments have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is

(571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2455

/EMMANUEL L. MOISE/
Supervisory Patent Examiner, Art Unit 2455

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2455	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0091311	04-2005	Lund et al.	709/203
*	B	US-6,463,445	10-2002	Suzuki et al.	1/1
*	C	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
*	D	US-6,563,517	05-2003	Bhagwat et al.	715/735
	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
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	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.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	12173747
Filing Date	2008-07-15
First Named Inventor	Sean Barger
Art Unit	2455
Examiner Name	Charles C. Murphy
Attorney Docket Number	EQUI0016

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/C.M./	1	7313361		2007-12-25	Steelberg, et al.	
/C.M./	2	7406434		2008-07-29	Chang, et al.	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/C.M./	1	20030225568		2003-12-04	Salmonsen	
/C.M./	2	20040025176		2004-02-05	Franklin, et al.	
/C.M./	3	20050255852		2005-11-17	Steelberg, et al.	
/C.M./	4	20050278794		2005-12-15	Leinonen, et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.M./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12173747 12173747 - GAU: 2455
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

/C.M./	5	20060127059		2006-06-15	Fanning	
/C.M./	6	20070061198		2007-03-15	Ramer, et al.	
/C.M./	7	20080195938		2008-08-14	Tischer, et al.	
/C.M./	8	20080205389		2008-08-28	Fang, et al.	
/C.M./	9	20080207182		2008-08-28	Maharajh, et al.	
/C.M./	10	20090013347		2009-01-08	Ahanger, et al.	
/C.M./	11	20090240569		2009-09-24	Ramer, et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12173747 12173747 - GAU: 2455
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		☐

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EXAMINER SIGNATURE

Examiner Signature	/Charles Murphy/	Date Considered	01/27/2013

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12173747 12173747 - GAU: 2455
	Filing Date	2008-07-15
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Charles C. Murphy
	Attorney Docket Number	EQUI0016

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Julia A. Thomas/	Date (YYYY-MM-DD)	2012-09-26
Name/Print	Julia A. Thomas	Registration Number	52283

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.M./

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.M./

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	04/06/2010	09/23/2010	03/12/2011	06/13/2012	01/28/2013				
	1	✓	✓	✓	✓	✓				
	2	✓	✓	✓	✓	✓				
	3	✓	✓	✓	✓	✓				
	4	✓	-	-	-	-				
	5	✓	✓	✓	✓	✓				
	6	✓	✓	✓	✓	✓				
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	8	✓	✓	✓	✓	✓				
	9	✓	✓	✓	✓	✓				
	10	✓	✓	✓	✓	✓				
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	32				✓	✓				
	33				✓	✓				
	34				✓	✓				
	35				✓	✓				
	36				✓	✓				

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20050091311").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/01/27 23:11
L2	1	1 analog	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 23:11
S1	1	("20090254672").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 14:44
S2	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" | "5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" | "6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:48
S3	2	S2 (transcod$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:49
S4	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" | "5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:51

		"6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.				
S5	1	S4 (transcod$4 same cache)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:51
S6	34	(transcod$4) same (content or media or file) near4 (concurrent$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:40
S7	0	(transcod$4) same (content or media or file) near4 (concurrent$3) @ad<"19991021"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S8	0	(transcod$4) same (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S9	15	(transcod$4) (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S10	10	(transcod$4) (content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:43
S11	0	(transcod$4 same parameter) (content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:18
S12	2709	(content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S13	763	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) same	US-PGPUB; USPAT;	AND	ON	2010/10/07 18:25

		(concurrent$3 or simultan$4) @ay<"1999"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S14	184	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S15	41	S14 (transcod$3 or convert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:26
S16	1	S14 (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:26
S17	25	S14 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:27
S18	3	(content or media or file) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S19	157	(content or media or file) near5 (transcod$3 or convert$3) (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S20	6	S19 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S21	22	(content or media or file or audio or video or movie) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:31

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S22	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 18:35
S23	0	S22 concurent$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S24	0	S22 concurent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S25	1	S22 concurrent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S26	13	(transcod$4) same (content or media or file) near4 (base or primary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S27	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S28	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or prilimnary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:11
S29	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:12
S30	0	(transcod$4) near5 (profile) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:13
S31	1	(transcod$4) near5 (profile) same (content or media or file) @ay<"1999"	US-PGPUB; USPAT;	AND	ON	2011/03/16 16:13

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S32	1	("6359902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/17 17:35
S33	0	S32 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/17 17:35
S34	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:22
S35	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S36	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S37	3	S34 or S35 or S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S38	0	S37 cache same media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S39	2	S37 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S40	1	S37 cache same transcode$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:24
S41	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S42	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S43	1	S41 preferences same request	US-PGPUB; USPAT;	AND	ON	2011/03/22 16:50

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S44	0	(transcod$4 adj profile) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:46
S45	2	(transcod$4 near5 profile) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:57
S46	106	US-1182225-$.DID. OR US-6147977-$.DID. OR US-7149893-$.DID. OR US-6829591-$.DID. OR US-6442589-$.DID. OR US-5327486-$.DID. OR US-6892230-$.DID. OR US-6748569-$.DID. OR US-7221658-$.DID. OR US-5400020-$.DID. OR US-5623260-$.DID. OR US-5657010-$.DID. OR US-5668543-$.DID. OR US-5708780-$.DID. OR US-5796394-$.DID. OR US-5870549-$.DID. OR US-5875437-$.DID. OR US-5937161-$.DID. OR US-6029148-$.DID. OR US-6052673-$.DID. OR US-6073166-$.DID. OR US-6151624-$.DID. OR US-6154738-$.DID. OR US-6157945-$.DID. OR US-6185603-$.DID. OR US-6212550-$.DID. OR US-6216165-$.DID. OR US-6219714-$.DID. OR US-6278936-$.DID. OR US-6314402-$.DID. OR US-6313760-$.DID. OR US-6317060-$.DID. OR US-6363254-$.DID. OR US-6363323-$.DID. OR US-6411891-$.DID. OR US-6415207-$.DID. OR US-5899995-$.DID. OR US-6314434-$.DID. OR US-5742763-$.DID. OR US-6513019-$.DID. OR US-5073852-$.DID. OR US-6542515-$.DID. OR US-5805810-$.DID. OR US-5819046-$.DID. OR US-5579472-$.DID. OR US-5828314-$.DID. OR US-6167409-$.DID. OR US-6347340-$.DID. OR US-6430272-$.DID. OR US-6442591-$.DID. OR US-6438583-$.DID. OR US-6836792-$.DID. OR WO-0176119-$.DID. OR WO-0175604-$.DID. OR WO-0176264-$.DID. OR WO-0180130-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59
S47	18	S46 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59
S48	139	(transcoding near5 profile)	US-PGPUB; USPAT;	AND	ON	2011/11/18 21:00

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S49	3	(transcoding near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:01
S50	1	("7117361").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/11/18 21:02
S51	1	S50 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:02
S52	355	((transcod$4 or translation) near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S53	49	((transcod$4 or translation) near profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S54	94	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5442771-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845279-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID. OR US-5903892-$.DID. OR US-5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6483851-$.DID. OR US-6484149-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID. OR US-6909708-$.DID. OR US-7284201-$.DID. OR US-7477688-$.DID. OR US-7673063-$.DID. OR US-20080155230-$.DID. OR	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:18

		US-20090254672-$.DID. OR US-5303198-$.DID. OR EP-0747842-$.DID. OR EP-0747842121996-$.DID. OR EP-0782085-$.DID. OR EP-0782085071997-$.DID. OR EP-0818907-$.DID. OR EP-0843276-$.DID. OR EP-0843276051998-$.DID. OR EP-0876034-$.DID. OR EP-0876034111998-$.DID. OR EP-0883068-$.DID. OR US-1211998-$.DID. OR EP-0886409-$.DID. OR EP-0895171-$.DID. OR EP-0926607-$.DID. OR EP-0926607061999-$.DID. OR EP-0949571-$.DID. OR EP-0949571101999-$.DID. OR WO-97149252-$.DID. OR US-1211997-$.DID. OR WO-9840842-$.DID. OR WO-9840842091998-$.DID. OR WO-9843177-$.DID. OR WO-9843177101998-$.DID. OR US-9830041-$.DID.				
S55	0	S54 (transcode same automatic$5 near5 client)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S56	1	S54 (transcode same automatic$5)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S57	42	(transcod$4 near5 automatic$4) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S58	1	S57 (parameter near5 client) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S59	2	S57 (parameter near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:26
S60	7	S57 (ident$6 near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:45
S61	2	("6563517").PN.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2012/05/18 23:06

			EPO; JPO; DERWENT; IBM_TDB			
S62	2	("6563517").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/06/13 21:02
S63	1	S62 resolution	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:02
S64	0	S62 resolution near10 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S65	0	S62 frame adj rate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S66	1	S62 rate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S67	0	S62 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S68	1	S62 resolution	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:04
S69	2	("6463445").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/06/13 21:04
S70	1	S69 frame	US-PGPUB; USPAT;	AND	ON	2012/06/13 21:05

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S71	1	(simultaneous$4 or concurrent$4) near5 (transcod$4) near5 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:10
S72	4	(simultaneous$4 or concurrent$4) near10 (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:11
S73	13	(simultaneous$4 or concurrent$4) same (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:11
S74	6	(simultaneous$4 or concurrent$4) near5 output (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:13
S75	129	(simultaneous$4 or concurrent$4) near5 (transcod$4) @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:14
S76	15	S75 transcod$4 near5 file	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:14
S77	8	S76 automatic$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:15
S78	27	US-7313361-$.DID. OR US-7406434-$.DID. OR US-20030225568-$.DID. OR US-20040025176-$.DID. OR US-20050255852-$.DID. OR US-20050278794-$.DID. OR US-20060127059-$.DID. OR US-20070061198-$.DID. OR US-	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:29

		20080195938-$.DID. OR US-20080205389-$.DID. OR US-20080207182-$.DID. OR US-20090013347-$.DID. OR US-20090240569-$.DID. OR US-1331018-$.DID.				
S79	27	US-7313361-$.DID. OR US-7406434-$.DID. OR US-20030225568-$.DID. OR US-20040025176-$.DID. OR US-20050255852-$.DID. OR US-20050278794-$.DID. OR US-20060127059-$.DID. OR US-20070061198-$.DID. OR US-20080195938-$.DID. OR US-20080205389-$.DID. OR US-20080207182-$.DID. OR US-20090013347-$.DID. OR US-20090240569-$.DID. OR US-1331018-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S80	10	S79 @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S81	13	S79 @ay<="2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S82	519	(transcod$4) near5 file @ay<="2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:41
S83	27	S82 (resolution same compression same rate)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:46
S84	17	S82 (resolution same compression same frame adj rate)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 15:07
S85	45	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution))	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 20:55
S86	5	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 20:55

S87	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 20:55
S88	2	("7580578").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/01/27 21:37
S89	1	S88 file	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:38
S90	0	((transcod$4 or transform) near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:39
S91	19	((transcod$4 or transform$4) near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:40

EAST Search History (Interference)

<This search history is empty>

1/27/2013 11:30:33 PM
C:\Users\cmurphy1\Documents\EAST\Workspaces\12173747.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy
709	247 217	9/23/2010	Charles Murphy
704	503 500 230 204	9/23/2010	Charles Murphy
709	227 226 223 219 206 204 203	3/12/2011	Charles Murphy
370	480 467 465 389 356 353	3/12/2011	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	6/13/2012	Charles Murphy
709	247 236 227 226 223 219 206 204 203	6/13/2012	Charles Murphy
709	247 246	1/28/2013	Charles Murphy
382	232	1/28/2013	Charles Murphy
386	278 244 241	1/28/2013	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy
Searched East	9/23/2010	Charles Murphy
Consulted Quang Nguyen	9/23/2010	Charles Murphy
Searched East	3/12/2011	Charles Murphy
Searched East	6/13/2012	Charles Murphy
Searched EAST	1/28/2013	Charles Murphy
Consulted David Lazaro on possiblility of allowance with current amendments	1/28/2013	Charles Murphy

/CHARLES MURPHY/ Examiner.Art Unit 2455	

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/CHARLES MURPHY/ Examiner.Art Unit 2455	

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. 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 contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12/173,747
	Filing Date	Jul 15, 2008
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Murphy, Charles C.
	Attorney Docket Number	EQUI0016

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code [1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code [1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-20070234213		Oct 4, 2007	Krikorian et al.	
	2	US-20080186377		Aug 7, 2008	Eriksson et al.	
	3	US-20100046842		Feb 25, 2010	Conwell	
	4	US-20110221745		Sep 15, 2011	Goldman et al.	
	5	US-20110279638		Nov 17, 2011	Periyannan et al.	
	6	US-20120016858		Jan 19, 2012	Rathod	

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
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	Application Number	12/173,747
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	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Murphy, Charles C.
	Attorney Docket Number	EQUI0016

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
[4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Field

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	Application Number	12/173,747
	Filing Date	Jul 15, 2008
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Murphy, Charles C.
	Attorney Docket Number	EQUI0016

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☒ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ No certification statement submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2013-06-13
Name/Print	Michael A Glenn	Registration Number	30176

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Electronic Patent Application Fee Transmittal	
Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Christine Ortt
Attorney Docket Number:	EQUI0016
Filed as Small Entity	

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Submission- Information Disclosure Stmt	2806	1	90	90
		Total in USD ($)		**90**

Electronic Acknowledgement Receipt	
EFS ID:	16037480
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	13-JUN-2013
Filing Date:	15-JUL-2008
Time Stamp:	19:58:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$90
RAM confirmation Number	6619
Deposit Account	071445
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		EQUI0016_IDS_2013-06-13.pdf	126694 8d5ed32af97483d418e0be5dc3cf54511670bc44	yes	3

Multipart Description/PDF files in .zip description

Document Description	Start	End
Information Disclosure Statement (IDS) Form (SB08)	1	2
Transmittal Letter	3	3

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30168 81d957bd3871437c23858e15bbd52d1dd0f4698c	no	2

Warnings:

Information:

Total Files Size (in bytes):	156862

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
EQUI0016	12173747	07/15/2008
First Named Inventor:	**Title:**	
Sean BARGER	AUTOMATED MEDIA DELIVERY SYSTEM	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:
    - Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
    - The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
        - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
        - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
            - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
            - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
/MAG/	07/08/2013
Name (Print/Typed) Michael A. Glenn	**Practitioner Registration No.** 30176

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

[✓] * Total of 1 forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	July 15, 2008
Art Unit	:	2455
Confirmation Number	:	7377
Examiner	:	Charles C. MURPHY
Title	:	Automated Media Delivery System
Attorney Docket No.	:	EQUI0016

July 8, 2013

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

RESPONSE TO OFFICE ACTION

Applicant submits this Response to the Office Action dated February 6, 2013 in connection with the above-identified patent application.

A **Listing of Claims** begins on Page 2 of this paper, and
Remarks begin on Page 15 of this paper.

The Commissioner is authorized to charge any fees that may be due and to credit any overpayments to Deposit Account 502207 (Order No. EQUI0016). Applicant considers this document to be filed in a timely manner.

LISTING OF CLAIMS

1. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, automatically transcoding, at the time of the request ~~and without input by a network administrator~~, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

transmitting ~~simultaneously with said transcoding~~ said multi-media file to each output device from among said plurality of output devices in a compatible format.

2. (Previously Presented) The method of claim 1, wherein said data within said multi-media file comprises at least one of:

video data, audio data or digital pictures.

3. (Currently Amended) ~~The method of claim 1,~~ A method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

automatically transcoding, at the time of the request data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

transmitting said multi-media file to each output device from among said plurality of output devices in a compatible format;

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

4. (Cancelled).

5. (Previously Presented) The method of claim 1, wherein said transmitting said multi-media file to an output device comprises transmitting said multi-media file to a display device.

6. (Previously Presented) The method of claim 1, wherein said transmitting said multi-media file to an output device comprises transmitting said multi-media file to a storage device.

7. (Previously Presented) The method of claim 1, further comprising:

transmitting said transcoded multi-media file in said alternate format to an external device.

8. (Original) The method of claim 7, wherein said external device comprises a portable media player.

9. (Previously Presented) The method of claim 1, wherein said multi-media file in said first format is received from a service provider.

IPR2023-00330 Page 00832

10. (Previously Presented) The method of claim 1, wherein said multi-media file in said first format is received from a local content source.

11. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving a multi-media file in a first format and, responsive to a request for said multi-media file, for transmitting said multi-media file to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a transcoder, coupled to said controller and said request parser, for determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and for automatically transcoding, at the time of said request, ~~without input by a network administrator, and simultaneously~~ data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media file is transmitted to said output device, wherein said transcoder is configured for:

changing a resolution of said data within said multi-media file based on the resolution capabilities the at least two output devices,

changing a frame rate of said data within said multi-media file based on the frame rate capabilities the at least two output devices, and

changing a compression format of said data within said multi-media file based on the compression capabilities the at least two output devices.

12. (Previously Presented) The system of claim 11, wherein said data within said multi-media file comprises at least one of:

video data, audio data or digital pictures.

13. (Original) The system of claim 11, wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

14. (Cancelled).

15. (Original) The system of claim 11, wherein said output device comprises a display device.

16. (Original) The system of claim 11, wherein said output device comprises a storage device.

17. (Previously Presented) The system of claim 11, further comprising:

one or more interfaces for transmitting said transcoded multi-media file in said alternate format to an external device.

18. (Original) The system of claim 17, wherein said external device comprises a portable media player.

19. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request for said multi-media file and transmitting said multi-media file to an output device; and

determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and automatically transcoding, at the time of the request ~~and without input by a network administrator~~, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format~~, while said data within said multi-media file is transmitted to said output device~~, wherein said transcoder is configured for changing each of: a resolution of said data within said multi-media file based on resolution capabilities of at least two output devices, a frame rate of said data within said multi-media file based on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file based on compression capabilities of at least two output devices.

20. (Previously Presented) The non-transitory computer readable medium of claim 19, wherein said transmitting said multi-media file to an output device comprises transmitting said multi-media file to at least one of: a display device or a storage device.

21. (Cancelled).

22. (Previously Presented) The non-transitory computer readable medium of claim 19, further comprising:

transmitting said transcoded multi-media file in said alternate format to an external device.

23. (Currently Amended) ~~The non-transitory computer readable medium of claim 19,~~ A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

and transmitting said multi-media file to an output device; and automatically transcoding, at the time of the, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format, wherein said transcoder is configured for changing each of: a resolution of said data

within said multi-media file based on resolution capabilities of at least two output devices, a frame rate of said data within said multi-media file based on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file based on compression capabilities of at least two output devices;

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

24. (Currently Amended) A method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and automatically transcoding, at the time of the request ~~and without input by a network administrator~~, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-

media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

transmitting ~~simultaneously with said transcoding~~ said multi-media file to each output device from among said plurality of output devices in a compatible format.

25. (Previously Presented) The method of claim 24, wherein said data within said multi-media file comprises at least one of:

video data, audio data or digital pictures.

26. (Previously Presented) The method of claim 24, wherein said transmitting said multi-media file to an output device comprises transmitting said multi-media file to a display device.

27. (Previously Presented) The method of claim 24, wherein said transmitting said multi-media file to an output device comprises transmitting said multi-media file to a storage device.

28. (Previously Presented) The method of claim 24, further comprising:

transmitting said transcoded multi-media file in said alternate format to an external device.

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29. (Previously Presented) The method of claim 28, wherein said external device comprises a portable media player.

30. (Currently Amended) A system for providing simultaneous transcoding of multi-media data, comprising:

a controller for receiving a multi-media file in a first format and for transmitting said multi-media file to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a request parser configured for receiving a request from a client for transmitting said multi-media file to one or more output devices, wherein at least two devices from said one or more output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags, and for automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags;

a transcoder, coupled to said controller and said request parser, for determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and for automatically transcoding, at the time of said request, ~~without input by a network administrator, and simultaneously~~ data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the

plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media file is transmitted to said output device, wherein said transcoder is configured for:

changing a resolution of said data within said multi-media file based on the resolution capabilities the at least two output devices,

changing a frame rate of said data within said multi-media file based on the frame rate capabilities the at least two output devices, and

changing a compression format of said data within said multi-media file based on the compression capabilities the at least two output devices.

31. (Previously Presented) The system of claim 30, wherein said data within said multi-media file comprises at least one of:

video data, audio data or digital pictures.

32. (Previously Presented) The system of claim 30, wherein said output device comprises a display device.

33. (Previously Presented) The system of claim 30, wherein said output device comprises a storage device.

34. (Previously Presented) The system of claim 30, further comprising:

one or more interfaces for transmitting said transcoded multi-media file in said alternate format to an external device.

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35. (Previously Presented) The system of claim 34, wherein said external device comprises a portable media player.

36. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities, wherein said request comprises a resource identifier and one or more data format tags;

automatically determining, at the time of the request, one or more formats requested based on said one or more data format tags,

determining client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and automatically transcoding, at the time of the request ~~and without input by a network administrator~~, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi-

media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

transmitting ~~simultaneously with said transcoding~~ said multi-media file to each output device from among said plurality of output devices in a compatible format.

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REMARKS

Applicants respectfully request further examination and reconsideration in view of the above amendments and arguments set forth fully below.

CLAIM REJECTIONS – 35 USC § 103

Claims 19, 20 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki *et al*. US Patent 6,463,445 (hereinafter referred to as Suzuki) in further view of Lund *et al*. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund);

Claims 1-2, 5, 7-8, 11-12, 15, 17-18, 24-26, 28-32, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki *et al*. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Bhagwat *et al*. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in further view of Lund *et al*. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund);

Claims 3, 6, 9-10, 13, 16, 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki *et al*. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Bhagwat *et al*. US Patent 6,563,517 (hereinafter referred to as Bhagwat) in view of Lund *et al*. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund) in further view of Krishnaswamy *et al*. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy); and

Claims 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki *et al*. US Patent 6,463,445 (hereinafter referred to as Suzuki) in view of Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund) in further view of Krishnaswamy et al. US Patent 6,909,708 (hereinafter referred to as Krishnaswamy).

Interview

Applicant thanks the Examiner for his courtesy and assistance during an interview that was held on June 24, 2013.

During the interview, the Examiner indicated that the subject matter of Claims 3 and 23 would avoid the present rejections under 35 USC § 103. As such, Applicant has amended these to place them in independent format by incorporating therein the limitations of their based claim and any intervening claims. Accordingly, Claims 2 and 23 are deemed to be allowable.

The Examiner also indicated that a claim amendment setting forth how the invention obtained parameters from a target device for transcoding the multi-media file would overcome the present rejection under 35 USC § 103 with regard to Applicant's independent claims. Applicant has emailed an amended Claim 1 to the Examiner for his review. However, to avoid the need to pay extension fees, Applicant now submits this response pending the Examiner's review of the informally submitted claim

amendments. Should the Examiner determine that further revisions to the claims are necessary, then Applicant is prepared to discuss same with the Examiner at his convenience.

Applicant has sought to summarize the substance of the above-mentioned interview in good faith. Any errors or inaccuracy is entirely unintentional.

CONCLUSION

Applicant respectfully posits that all objections to and rejections of the claims have been overcome. Accordingly, Applicant respectfully requests allowance. Should the Examiner deem it helpful he is encouraged to contact Applicant's attorney, Michael A. Glenn, at (650) 838-4495.

Respectfully submitted,

/MAG/
Michael A. Glenn
Reg. No. 30,176

Customer No. 22918

PTO/SB/22 (03-13)
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): EQUI0016

Application Number: 12173747 | Filed: 07/15/2008

For: AUTOMATED MEDIA DELIVERY SYSTEM

Art Unit: 2455 | Examiner: Murphy, Charles C.

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

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$
☑	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$ 300
☐	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☐	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$

☑ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502207.

☑ Payment made via EFS-Web.

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

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71. 37 CFR 3.73(b) statement is enclosed (Form PTO/SB/96).

☑ attorney or agent of record. Registration number 30176.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/MAG/	07/08/2013
Signature	Date
Michael A. Glenn	650-838-4495
Typed or printed name	Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Patent Application Fee Transmittal

Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Christine Ortt
Attorney Docket Number:	EQUI0016

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Independent Claims in Excess of 3	2201	2	210	420
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 2 months with $0 paid	2252	1	300	300
Miscellaneous:				
		Total in USD ($)		**720**

Electronic Acknowledgement Receipt

EFS ID:	16256834
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EQUI0016
Receipt Date:	08-JUL-2013
Filing Date:	15-JUL-2008
Time Stamp:	19:01:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$720
RAM confirmation Number	6550
Deposit Account	502207
Authorized User	PERKINS COIE LLP

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	After Final Consideration Program Request	AF_Consideration_Pilot-EQUI0016.pdf	226541 ebdfc540e8d25df35045eb644b8543b1ba401cca	no	2
Warnings:					
Information:					
2		2013-07-08-ResponseAsFiled-EQUI0016.pdf	226609 f5581262ff5cc120c24c6f7cb071907ee9fd7fca	yes	18
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Response After Final Action		1	1	
	Claims		2	14	
	Applicant Arguments/Remarks Made in an Amendment		15	17	
	Extension of Time		18	18	
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32008 5a001e603c12a683a12e3fabe498120146cdb806	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	485158		

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/173,747	Filing Date 07/15/2008	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	07/08/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 33	Minus	** 33	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 8	Minus	***8	= 0	X $210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L 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.

SLIE
/TONGELINA TUBBS/

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Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12173747	Filing Date	2008-07-15	Docket Number (if applicable)	110595-8016.US01	Art Unit	2455
First Named Inventor	Sean Barger			Examiner Name	Charles Murphy		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Response and After Final Consideration Pilot Program 2.0 request filed 07/08/2013

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 502207

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
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Signature of Registered U.S. Patent Practitioner			
Signature	/Julia A. Thomas/	Date (YYYY-MM-DD)	2013-08-06
Name	Julia A. Thomas	Registration Number	52283

This collection of information is required by 37 CFR 1.114. 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 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/22 (03-13)
Approved for use through 3/31/2013. OMB 0651-0031
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): EQUI0016

Application Number: 12173747 | Filed: 07/15/2008

For: AUTOMATED MEDIA DELIVERY SYSTEM

Art Unit: 2455 | Examiner: Murphy, Charles C.

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

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$
☐	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$
☑	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$ 700
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☐	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$

☑ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502207.

☑ Payment made via EFS-Web.

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

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71. 37 CFR 3.73(b) statement is enclosed (Form PTO/SB/96).

☑ attorney or agent of record. Registration number 52283.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Julia A. Thomas/ — Signature

08/06/2013 — Date

Julia A. Thomas — Typed or printed name

650-838-4399 — Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Electronic Patent Application Fee Transmittal

Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Christine Ortt
Attorney Docket Number:	110595-8016.US01

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with $300 paid	2253	1	400	400

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE - 2nd and Subsequent Request	2820	1	850	850
		Total in USD ($)		**1250**

Electronic Acknowledgement Receipt	
EFS ID:	16518967
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	110595-8016.US01
Receipt Date:	06-AUG-2013
Filing Date:	15-JUL-2008
Time Stamp:	20:56:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1250
RAM confirmation Number	6772
Deposit Account	502207
Authorized User	PERKINS COIE LLP
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_as_filed.pdf	697853 cea8c9d04fd9bd37e9b97ea3aa4a235651d985dd	no	3
Warnings:					
Information:					
2	Extension of Time	Extension_as_filed_8-6-13.pdf	105919 b9c90eb7822baf9523cd0c35566639a738fc9222	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32159 74faa323375fe09c2a91b98c45892a1386b9969e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	835931		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/173,747	Filing Date 07/15/2008	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/06/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 33	Minus	** 33	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L 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.

LIE
/FRANCES FIELDS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 09/05/2013

FFIELDS SALE #00000001 Mailroom Dt: 08/06/2013 502207 12173747
01 FC : 2801 600.00 DA

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/173,747	Filing Date 07/15/2008	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	10/06/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 17	Minus	** 33	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***6	= 0	X $210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L 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.

LIE
/VIOLA ROGERS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

22862 7590 10/09/2013

GLENN PATENT GROUP
c/o Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247

EXAMINER
MURPHY, CHARLES C

ART UNIT	PAPER NUMBER
2455	

DATE MAILED: 10/09/2013

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	110595-8016.US01	7377

TITLE OF INVENTION: Automated Media Delivery System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$890	$300	$0	$1190	01/09/2014

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 DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). 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. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22862 7590 10/09/2013

GLENN PATENT GROUP
c/o Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	110595-8016.US01	7377

TITLE OF INVENTION: Automated Media Delivery System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$890	$300	$0	$1190	01/09/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
MURPHY, CHARLES C	2455	709-236000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

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

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

❑ A check is enclosed.

❑ Payment by credit card. Form PTO-2038 is attached.

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

❑ Applicant asserting small entity status. See 37 CFR 1.27

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

❑ Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	110595-8016.US01	7377

22862 7590 10/09/2013

GLENN PATENT GROUP
c/o Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247

EXAMINER	
MURPHY, CHARLES C	

ART UNIT	PAPER NUMBER
2455	

DATE MAILED: 10/09/2013

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 384 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 384 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notices of Allowance and Fee(s) Due mailed between October 1, 2013 and December 31, 2013

(Addendum to PTOL-85)

If the "Notice of Allowance and Fee(s) Due" has a mailing date on or after October 1, 2013 and before January 1, 2014, the following information is applicable to this application.

If the issue fee is being timely paid on or after January 1, 2014, the amount due is the issue fee and publication fee in effect January 1, 2014. On January 1, 2014, the issue fees set forth in 37 CFR 1.18 decrease significantly and the publication fee set forth in 37 CFR 1.18(d)(1) decreases to $0.

If an issue fee or publication fee has been previously paid in this application, applicant is not entitled to a refund of the difference between the amount paid and the amount in effect on January 1, 2014.

Notice of Allowability	Application No. 12/173,747	Applicant(s) BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2455	AIA (First Inventor to File) Status No

-- 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 *the RCE filed 08/06/2013*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1,2,5-12,15-20 and 22*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   Certified copies:
   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. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ 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).
6. ☐ 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. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 06/13/2013
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

Examiner's Amendment

The present application is being examined under the pre-AIA first to invent provisions.

1. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this Examiner's Amendment was given in a telephone interview on 09/24/2013 with the Applicant's Representative, Michael Glenn (Reg. 30,176)

3. Please amend claims 1, 3, 11, 13, 19, and 23-36 as below:

Claim 1. (Currently Amended) A method for providing simultaneous transcoding of multi- media data, comprising:

receiving a multi-media file in a first format;

receiving a request **with proprietary tags containing parameters as part of a URL** for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

automatically determining, at the time of the request, one or more formats requested based on said one or more ~~data format~~ **proprietary** tags,

~~determining~~ **parsing said parameters to determine** client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content, generation procedures, automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi\- media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format; and

transmitting simultaneously with said transcoding said multi-media file to each output device from among said plurality of output devices in a compatible format.

Claim 3. (Canceled)

Claim 11. (Currently Amended) A system for providing simultaneous transcoding of multi- media data, comprising:

a controller for receiving a multi-media file in a first format and, responsive to a request **with proprietary tags containing parameters as part of a URL** for said_multi-media file, for transmitting said multi-media file to an output device from among a plurality of output devices, wherein at least two output devices from said plurality of output devices output file formats with incompatible capabilities; and

a transcoder, coupled to said controller and said request parser, for **parsing said parameters to determine** ~~determining~~ client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and for automatically

transcoding, at the time of said request, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of output devices are different from said first format, while said multi-media file is transmitted to said output device, wherein said transcoder is configured for:

changing a resolution of said data within said multi-media file based on the resolution capabilities the at least two output devices,

changing a frame rate of said data within said multi-media file based on the frame rate capabilities the at least two output devices, and

changing a compression format of said data within said multi-media file based on the compression capabilities the at least two output devices**;**

and

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

Claim 13. (Canceled)

Claim 19. (Currently Amended) A non-transitory computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the

steps of a method for providing simultaneous transcoding of multi-media data, comprising:

receiving a multi-media file in a first format;

receiving a request **with proprietary tags containing parameters as part of a URL** for said multi-media file and transmitting said multi-media file to an output device; and

automatically determining, at the time of the request, one or more formats requested based on said one or more ~~data format~~ **proprietary** tags,

parsing said parameters to determine ~~determining~~ client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content generation procedures, and automatically transcoding, at the time of the request, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format, wherein said transcoder is configured for changing each of: a resolution of said data within said multi-media file based on resolution capabilities of at least two output devices, a frame rate of said data within said

multi-media file based on frame rate capabilities of at least two output devices, and a compression format of said data within said multi-media file based on compression capabilities of at least two output devices;

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format.

transmitting simultaneously with said transcoding said multi-media file to each output device from among said plurality of output devices in a compatible format.

Claim 23- 36. (Canceled)

Reasons for Allowance

4. Claims 1-2, 5-12, 15-20 and 22 are allowed

5. The following is an Examiner's statement of reasons for allowance:

In interpreting the currently amended claims, in light of the specification, the Examiner finds the claimed invention to be patentably distinct from the prior art of records.

Suzuki et al. US Patent 6,463,445 (hereinafter referred to as Suzuki) teaches receiving multi-media data in a first format; (***Suzuki*** *teaches a data*

access server used to receive media files from a multimedia server and transcode media files into a requested format) ***(Suzuki, col. 6, lines 20-55)***

receiving a request for said multi-media data to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; (***Suzuki*** *teaches a user sending a request for content from a client to a server system. It is well known in the art for multiple clients can request the same media data in different formats. Because the requested media in the system of* ***Suzuki*** *is formatted to specified clients, regardless of the base media format stored in the data server, it would be obvious that various devices with different media requirements would be able to request the same media and have it outputted in the correct format to requesting devices.)* ***(Suzuki, col. 6, lines 55-67)***

automatically transcoding, at the time of the request and without input by a network administrator, said multi-media data into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format. *(****Suzuki*** *teaches a transcoding system using client identification information received at the time of request to determine the transcoding parameters required to properly display requested content on a client device and to transcode the request media to said format.)* ***(Suzuki, col. 7, lines 20-35; col. 8, lines 24-65)***

Bhagwat et al. US Patent 6,563,517 (hereinafter referred to as Bhagwat) teaches transmitting simultaneously with said transcoding said multi-media data to each output device from among said plurality of output devices in a compatible format. (**Bhagwat** teaches transcoding multi-media simultaneously to multiple different format on the fly and outputting said format to multiple devices)**(Bhagwat, col. 4, lines 10-15col. 6, lines 19-24; col. 7, lines 16-24)**

Lund et al. US Patent Application Publication 2005/0091311 (hereinafter referred to as Lund) teaches wherein said transcoding comprises each of: changing a resolution of said multi- media data based on the resolution capabilities of the at least two output devices, changing a frame rate of said multi-media data based on the frame rate capabilities of the at least two output devices, and changing a compression format of said multi-media data based on the compression capabilities of the at least two output devices; and *(**Lund** teaches the ability to transmit parameters to a server running on a host. These parameters include client requirements frame rate, compression and resolution. These parameters can either be selected by the user or surveyed from the client by the application)**(Lund, paragraphs 20, 113 and 144)***

said multi-media data is a file *(**Lund** teaches transforming image files based on client parameters)**(Lund, paragraphs 20, 113 and 144)***

However, the prior art of records, individually or in combination, fail to explicitly teach or render obvious a method comprising the steps of:

Claim 1. (Currently Amended) A method for providing simultaneous transcoding of multi- media data, comprising:

receiving a multi-media file in a first format;

receiving a request **with proprietary tags containing parameters as part of a URL** for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities;

automatically determining, at the time of the request, one or more formats requested based on said one or more **proprietary** tags,

parsing said parameters to determine client connection speed, server traffic, browser, and device based upon said client connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content, generation procedures, automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output

devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi\- media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and

wherein said first format is an analog format and wherein said at least one alternate format comprises a first digital format and a second digital format; and

transmitting simultaneously with said transcoding said multi-media file to each output device from among said plurality of output devices in a compatible format.

The Examiner finds the combination of prior art of records fail to disclose the features of the invention including receiving a request **with proprietary tags containing parameters as part of a URL** for said multi-media file to a plurality of output devices, wherein at least two devices from said plurality of output devices output file formats with incompatible capabilities; **parsing said parameters to determine** client connection speed, server traffic, browser, and device based upon said client

connection speed, said server traffic, polled device, browser, and other variables collected at the time of said request, and one or more content, generation procedures, automatically transcoding, at the time of the request and without input by a network administrator, data within said multi-media file into a plurality of formats based on one or more formats of any output device from among the plurality of output devices, wherein said plurality of formats are different from said first format wherein said transcoding comprises each of: changing a resolution of said data within said multi\- media file based on the resolution capabilities of the at least two output devices, changing a frame rate of said data within said multi-media file based on the frame rate capabilities of the at least two output devices, and changing a compression format of said data within said multi-media file based on the compression capabilities of the at least two output devices; and as claimed in the invention to modify any of these inputs and have the system automatically update the media on the associated Web Pages. **(Specifications, page 10, lines 10-15)**

Dependent claims 2, 5-10, 12-13, 15-18, 20 and 22 further limit the allowed independent claims 1, 11, and 19 therefore, they are allowed.

Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should clearly be labeled “Comments on Examiner’s Amendment”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES MURPHY whose telephone number is (571)270-5444. The examiner can normally be reached on 8AM - 5PM Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES MURPHY/
Examiner, Art Unit 2455

/David Lazaro/
Primary Examiner, Art Unit 2455

Notice of References Cited	Application/Control No. 12/173,747	Applicant(s)/Patent Under Reexamination BARGER ET AL.	
	Examiner CHARLES MURPHY	Art Unit 2455	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0091311	04-2005	Lund et al.	709/203
*	B	US-6,463,445	10-2002	Suzuki et al.	1/1
*	C	US-6,909,708	06-2005	Krishnaswamy et al.	370/352
*	D	US-6,563,517	05-2003	Bhagwat et al.	715/735
	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.

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	**Art Unit**
	CHARLES MURPHY	2455

CPC		
Symbol	**Type**	**Version**

CPC Combination Sets				
Symbol	**Type**	**Set**	**Ranking**	**Version**

/CHARLES MURPHY/ Examiner.Art Unit 2455 (Assistant Examiner)	09/30/2013 (Date)	**Total Claims Allowed:** 17	
/DAVID LAZARO/ Primary Examiner.Art Unit 2455 (Primary Examiner)	09/30/2013 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	**Art Unit**
	CHARLES MURPHY	2455

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
709	236	G 0 6 F 15 / 16 (2006.0)	

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
709	231				
370	465	470			

/CHARLES MURPHY/ Examiner.Art Unit 2455 (Assistant Examiner)	09/30/2013 (Date)	**Total Claims Allowed:** 17
/DAVID LAZARO/ Primary Examiner.Art Unit 2455 (Primary Examiner)	09/30/2013 (Date)	O.G. Print Claim(s): 1 O.G. Print Figure: 1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	**Art Unit**
	CHARLES MURPHY	2455

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	13	17		33										
2	2	14	18		34										
	3	15	19		35										
	4	16	20		36										
3	5		21												
4	6	17	22												
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6	8		24												
7	9		25												
8	10		26												
9	11		27												
10	12		28												
	13		29												
	14		30												
11	15		31												
12	16		32												

/CHARLES MURPHY/ Examiner.Art Unit 2455	09/30/2013	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	17	
/DAVID LAZARO/ Primary Examiner.Art Unit 2455	09/30/2013	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	4	US-20070234213-$.DID. OR US-20080186377-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT	AND	ON	2013/09/27 02:06
L5	10	((SEAN) near2 (BARGER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2013/09/27 02:07
L6	141	((STEVE) near2 (JOHNSON)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2013/09/27 02:07
L7	7	((JERRY) near2 (DESTREMPS)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2013/09/27 02:07
L8	9	((MATT) near2 (BUTLER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2013/09/27 02:07
L9	8	((DAVID) near2 (POCHRON)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2013/09/27 02:07
L10	6	((TRENT) near2 (BROWN)).INV.	USPAT; USOCR	AND	ON	2013/09/27 02:07
S1	1	("20090254672").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 14:44
S2	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" | "5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" | "6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:48
S3	2	S2 (transcod$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:49
S4	74	("5088052" | "5355472" | "5442771" | "5530852" | "5701451" | "5708845" |	US-PGPUB; USPAT;	AND	ON	2010/10/07 14:51

		"5710918" | "5737619" | "5745908" | "5758110" | "5761555" | "5761655" | "5793964" | "5819261" | "5822436" | "5845084" | "5845299" | "5860068" | "5860073" | "5861881" | "5862325" | "5864337" | "5870552" | "5880740" | "5884337" | "5890170" | "5890170" | "5895476" | "5895476" | "5895477" | "5903892" | "5937160" | "5943680" | "5943680" | "5956737" | "5956737" | "6009436" | "6456305" | "6484149" | "6563517" | "6591280" | "6591280" | "6623529" | "6623529").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S5	1	S4 (transcod$4 same cache)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 14:51
S6	34	(transcod$4) same (content or media or file) near4 (concurrent$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:40
S7	0	(transcod$4) same (content or media or file) near4 (concurrent$3) @ad<"19991021"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S8	0	(transcod$4) same (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S9	15	(transcod$4) (content or media or file) near4 (concurrent$3) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:42
S10	10	(transcod$4) (content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 17:43
S11	0	(transcod$4 same parameter) (content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:18

S12	2709	(content or media or file) same (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S13	763	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) same (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S14	184	(content or media or file) near5 (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:25
S15	41	S14 (transcod$3 or convert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:26
S16	1	S14 (transcod$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:26
S17	25	S14 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:27
S18	3	(content or media or file) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S19	157	(content or media or file) near5 (transcod$3 or convert$3) (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:30
S20	6	S19 (media.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	AND	ON	2010/10/07 18:30

			DERWENT; IBM_TDB			
S21	22	(content or media or file or audio or video or movie) near5 (transcod$3 or convert$3) same (deliver$3 or send$3 or transmit$3) near5 (concurrent$3 or simultan$4) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:31
S22	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 18:35
S23	0	S22 concurent$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S24	0	S22 concurent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S25	1	S22 concurrent$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/07 18:35
S26	13	(transcod$4) same (content or media or file) near4 (base or primary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S27	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:10
S28	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or prilimnary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:11
S29	13	(transcod$4) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:12

S30	0	(transcod$4) near5 (profile) same (content or media or file) near4 (base or primary or foundation or preliminary) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:13
S31	1	(transcod$4) near5 (profile) same (content or media or file) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/16 16:13
S32	1	("6359902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/17 17:35
S33	0	S32 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/17 17:35
S34	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:22
S35	1	("5845279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S36	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 15:23
S37	3	S34 or S35 or S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S38	0	S37 cache same media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S39	2	S37 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 15:23
S40	1	S37 cache same transcode$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	AND	ON	2011/03/22 15:24

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			IBM_TDB			
S41	1	("6563517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S42	1	("6909708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/22 16:33
S43	1	S41 preferences same request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/22 16:50
S44	0	(transcod$4 adj profile) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:46
S45	2	(transcod$4 near5 profile) @ay<"1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:57
S46	106	US-1182225-$.DID. OR US-6147977-$.DID. OR US-7149893-$.DID. OR US-6829591-$.DID. OR US-6442589-$.DID. OR US-5327486-$.DID. OR US-6892230-$.DID. OR US-6748569-$.DID. OR US-7221658-$.DID. OR US-5400020-$.DID. OR US-5623260-$.DID. OR US-5657010-$.DID. OR US-5668543-$.DID. OR US-5708780-$.DID. OR US-5796394-$.DID. OR US-5870549-$.DID. OR US-5875437-$.DID. OR US-5937161-$.DID. OR US-6029148-$.DID. OR US-6052673-$.DID. OR US-6073166-$.DID. OR US-6151624-$.DID. OR US-6154738-$.DID. OR US-6157945-$.DID. OR US-6185603-$.DID. OR US-6212550-$.DID. OR US-6216165-$.DID. OR US-6219714-$.DID. OR US-6278936-$.DID. OR US-6314402-$.DID. OR US-6313760-$.DID. OR US-6317060-$.DID. OR US-6363254-$.DID. OR US-6363323-$.DID. OR US-6411891-$.DID. OR US-6415207-$.DID. OR US-5899995-$.DID. OR US-6314434-$.DID. OR US-5742763-$.DID. OR US-6513019-$.DID. OR US-5073852-$.DID. OR US-6542515-$.DID. OR US-5805810-$.DID. OR US-5819046-$.DID. OR US-5579472-$.DID. OR US-5828314-$.DID. OR US-6167409-$.DID. OR US-6347340-$.DID. OR US-6430272-$.DID. OR US-6442591-$.DID. OR US-6438583-$.DID. OR US-6836792-$.DID. OR WO-0176119-$.DID. OR WO-0175604-$.DID. OR WO-0176264-$.DID. OR WO-0180130-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59

S47	18	S46 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 20:59
S48	139	(transcoding near5 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:00
S49	3	(transcoding near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:01
S50	1	("7117361").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/11/18 21:02
S51	1	S50 profile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:02
S52	355	((transcod$4 or translation) near5 profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S53	49	((transcod$4 or translation) near profile) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/18 21:04
S54	94	US-5088052-$.DID. OR US-5355472-$.DID. OR US-5442771-$.DID. OR US-5530852-$.DID. OR US-5701451-$.DID. OR US-5708845-$.DID. OR US-5710918-$.DID. OR US-5737619-$.DID. OR US-5745908-$.DID. OR US-5758110-$.DID. OR US-5761655-$.DID. OR US-5793964-$.DID. OR US-5819261-$.DID. OR US-5822436-$.DID. OR US-5845084-$.DID. OR US-5845279-$.DID. OR US-5845299-$.DID. OR US-5860068-$.DID. OR US-5860073-$.DID. OR US-5861881-$.DID. OR US-5862325-$.DID. OR US-5864337-$.DID. OR US-5870552-$.DID. OR US-5880740-$.DID. OR US-5890170-$.DID. OR US-5895476-$.DID. OR US-5895477-$.DID. OR US-5903892-$.DID. OR US-	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:18

		5937160-$.DID. OR US-5943680-$.DID. OR US-5956737-$.DID. OR US-6009436-$.DID. OR US-6456305-$.DID. OR US-6483851-$.DID. OR US-6484149-$.DID. OR US-6563517-$.DID. OR US-6591280-$.DID. OR US-6623529-$.DID. OR US-6909708-$.DID. OR US-7284201-$.DID. OR US-7477688-$.DID. OR US-7673063-$.DID. OR US-20080155230-$.DID. OR US-20090254672-$.DID. OR US-5303198-$.DID. OR EP-0747842-$.DID. OR EP-0747842121996-$.DID. OR EP-0782085-$.DID. OR EP-0782085071997-$.DID. OR EP-0818907-$.DID. OR EP-0843276-$.DID. OR EP-0843276051998-$.DID. OR EP-0876034-$.DID. OR EP-0876034111998-$.DID. OR EP-0883068-$.DID. OR US-1211998-$.DID. OR EP-0886409-$.DID. OR EP-0895171-$.DID. OR EP-0926607-$.DID. OR EP-0926607061999-$.DID. OR EP-0949571-$.DID. OR EP-0949571101999-$.DID. OR WO-97149252-$.DID. OR US-1211997-$.DID. OR WO-9840842-$.DID. OR WO-9840842091998-$.DID. OR WO-9843177-$.DID. OR WO-9843177101998-$.DID. OR US-9830041-$.DID.				
S55	0	S54 (transcode same automatic$5 near5 client)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S56	1	S54 (transcode same automatic$5)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:21
S57	42	(transcod$4 near5 automatic$4) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S58	1	S57 (parameter near5 client) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:24
S59	2	S57 (parameter near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/05/18 22:26
S60	7	S57 (ident$6 near5 (client or device or user)) @ay<"2000"	US-PGPUB; USPAT;	AND	ON	2012/05/18 22:45

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S61	2	("6563517").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/05/18 23:06
S62	2	("6563517").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/06/13 21:02
S63	1	S62 resolution	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:02
S64	0	S62 resolution near10 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S65	0	S62 frame adj rate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S66	1	S62 rate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S67	0	S62 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:03
S68	1	S62 resolution	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:04

S69	2	("6463445").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/06/13 21:04
S70	1	S69 frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2012/06/13 21:05
S71	1	(simultaneous$4 or concurrent$4) near5 (transcod$4) near5 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:10
S72	4	(simultaneous$4 or concurrent$4) near10 (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:11
S73	13	(simultaneous$4 or concurrent$4) same (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:11
S74	6	(simultaneous$4 or concurrent$4) near5 output (transcod$4) near10 file @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:13
S75	129	(simultaneous$4 or concurrent$4) near5 (transcod$4) @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:14
S76	15	S75 transcod$4 near5 file	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:14
S77	8	S76 automatic$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	AND	ON	2013/01/25 15:15

			DERWENT; IBM_TDB			
S78	27	US-7313361-$.DID. OR US-7406434-$.DID. OR US-20030225568-$.DID. OR US-20040025176-$.DID. OR US-20050255852-$.DID. OR US-20050278794-$.DID. OR US-20060127059-$.DID. OR US-20070061198-$.DID. OR US-20080195938-$.DID. OR US-20080205389-$.DID. OR US-20080207182-$.DID. OR US-20090013347-$.DID. OR US-20090240569-$.DID. OR US-1331018-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/25 15:29
S79	27	US-7313361-$.DID. OR US-7406434-$.DID. OR US-20030225568-$.DID. OR US-20040025176-$.DID. OR US-20050255852-$.DID. OR US-20050278794-$.DID. OR US-20060127059-$.DID. OR US-20070061198-$.DID. OR US-20080195938-$.DID. OR US-20080205389-$.DID. OR US-20080207182-$.DID. OR US-20090013347-$.DID. OR US-20090240569-$.DID. OR US-1331018-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S80	10	S79 @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S81	13	S79 @ay<="2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:39
S82	519	(transcod$4) near5 file @ay<="2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:41
S83	27	S82 (resolution same compression same rate)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 14:46
S84	17	S82 (resolution same compression same frame adj rate)	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/26 15:07
S86	5	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate)	US-PGPUB; USPAT; USOCR;	AND	ON	2013/01/27 20:55

		same (compression) same (resolution)) @ay<"2005"	FPRS; JPO; DERWENT; IBM_TDB			
S87	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 20:55
S88	2	("7580578").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/01/27 21:37
S89	1	S88 file	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:38
S90	0	((transcod$4 or transform) near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:39
S91	19	((transcod$4 or transform$4) near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution)) @ay<"2005"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 21:40
S92	2	("20050091311").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/01/27 23:11
S93	1	S92 analog	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/27 23:11
S94	45	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) ((frame adj rate or frame!rate) same (compression) same (resolution))	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/01/28 00:07
S95	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) (request same (URL or link or URI) same proprietary adj tags) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/09/24 11:53

S96	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) (request same (URL or link or URI) same tags) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/09/24 11:53
S97	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) (request same tags) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/09/24 11:54
S98	0	(transcod$4 near10 (multimedia or multi!media or audio or image or video) near5 file) (request same (tag or variable)) @ad<"2005116"	US-PGPUB; USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	AND	ON	2013/09/24 11:54

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(((multimedia or multi adj media) adj format)(proprietary adj tags same parameters)(pars$4)((analog digital) adj format)(transmit$6 same simultaneous$4)).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2013/09/27 02:05
L2	0	(((multimedia or multi adj media) adj format)(proprietary adj tags same parameters)(pars$4)((analog digital) adj format)).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2013/09/27 02:05
L3	0	(((multimedia or multi adj media) adj format)(proprietary adj tags same parameters)).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2013/09/27 02:05

9/27/2013 2:08:11 AM
C:\Users\cmurphy1\Documents\EAST\Workspaces\12173747.wsp

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12/173,747
	Filing Date	Jul 15, 2008
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Murphy, Charles C.
	Attorney Docket Number	EQUI0016

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code [1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code [1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/C.M./	1	US-20070234213		Oct 4, 2007	Krikorian et al.	
/C.M./	2	US-20080186377		Aug 7, 2008	Eriksson et al.	
/C.M./	3	US-20100046842		Feb 25, 2010	Conwell	
/C.M./	4	US-20110221745		Sep 15, 2011	Goldman et al.	
/C.M./	5	US-20110279638		Nov 17, 2011	Periyannan et al.	
/C.M./	6	US-20120016858		Jan 19, 2012	Rathod	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	12/173,747
	Filing Date	Jul 15, 2008
	First Named Inventor	Sean Barger
	Art Unit	2455
	Examiner Name	Murphy, Charles C.
	Attorney Docket Number	EQUI0016

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

EXAMINER SIGNATURE

Examiner Signature	/Charles Murphy/	Date Considered	09/27/2013

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
[4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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BIB DATA SHEET

CONFIRMATION NO. 7377

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/173,747	07/15/2008	709	2455	110595-8016.US01

APPLICANTS

Sean Barger, Mill Valley, CA;
Steve Johnson, Mill Valley, CA;
Matt Butler, Beaverton, OR;
Jerry Destremps, Sausalito, CA;
David Pochron, Cambridge, WI;
Trent Brown, San Anselmo, CA;

**** CONTINUING DATA ***************************

This application is a DIV of 11/269,916 11/07/2005 ABN
which is a CIP of 09/929,904 08/14/2001 PAT 6964009
which is a CON of 09/425,326 10/21/1999 PAT 6792575

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
07/23/2008

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /CHARLES C MURPHY/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		CA	23	23	3

ADDRESS

GLENN PATENT GROUP
c/o Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247
UNITED STATES

TITLE

Automated Media Delivery System

FILING FEE RECEIVED		
1663	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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12173747	BARGER ET AL.
	Examiner	Art Unit
	CHARLES MURPHY	2455

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	227 226 223 219 206 204 203	4/6/2010	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	4/6/2010	Charles Murphy
455	560 463 426.1 422.1 412.1	4/6/2010	Charles Murphy
709	247 217	9/23/2010	Charles Murphy
704	503 500 230 204	9/23/2010	Charles Murphy
709	227 226 223 219 206 204 203	3/12/2011	Charles Murphy
370	480 467 465 389 356 353	3/12/2011	Charles Murphy
370	480 467 465 389 356 353 352 289 286 260 252	6/13/2012	Charles Murphy
709	247 236 227 226 223 219 206 204 203	6/13/2012	Charles Murphy
709	247 246	1/28/2013	Charles Murphy
382	232	1/28/2013	Charles Murphy
386	278 244 241	1/28/2013	Charles Murphy
709	227 226 223 219 206 204 203	9/27/2013	Charles Murphy
455	560 463 426.1 422.1 412.	9/27/2013	Charles Murphy

SEARCH NOTES		
Search Notes	Date	Examiner
East	4/6/2010	Charles Murphy
Searched East	9/23/2010	Charles Murphy
Consulted Quang Nguyen	9/23/2010	Charles Murphy
Searched East	3/12/2011	Charles Murphy
Searched East	6/13/2012	Charles Murphy
Searched EAST	1/28/2013	Charles Murphy

/CHARLES MURPHY/ Examiner.Art Unit 2455	

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
Consulted David Lazaro on possiblility of allowance with current amendments	1/28/2013	Charles Murphy
Consulted David Lazaro on proposed amendments	9/27/2013	Charles Murphy
Inventors Name Search	9/27/2013	Charles Murphy

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**
Searched East		9/27/2013	Charles Murphy

/CHARLES MURPHY/ Examiner.Art Unit 2455	

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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22862 7590 10/09/2013
GLENN PATENT GROUP
c/o Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247

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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 (571) 273-2885, on the date indicated below.

Christine Ortt	(Depositor's name)
/Christine Ortt/	(Signature)
01/09/2014	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	07/15/2008	Sean Barger	110595-8016.US01	7377

TITLE OF INVENTION: Automated Media Delivery System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	~~$890~~ $480	~~$300~~	$0	~~$1190~~ $480	01/09/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
MURPHY, CHARLES C	2455	709-236000

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 Michael A. Glenn
2 Perkins Coie LLP
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: EQUILIBRIUM

(B) RESIDENCE: (CITY and STATE OR COUNTRY): SAUSALITO, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 502207 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29	NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
☐ Applicant asserting small entity status. See 37 CFR 1.27	NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
☐ Applicant changing to regular undiscounted fee status.	NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Julia A. Thomas/ Date 01/09/2014

Typed or printed name Julia A. Thomas Registration No. 52,283

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Sean BARGER
Serial No.	:	12/173,747
Filed	:	07/15/2008
Art Unit	:	2455
Confirmation Number	:	7377
Examiner	:	Murphy, Charles C.
Title	:	AUTOMATED MEDIA DELIVERY SYSTEM
Attorney Docket No.	:	110595-8016.US01

January 9, 2014

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Dear Sir/Madam:

In the Notice of Allowance, mailed October 9, 2013, the Examiner provided Reasons for Allowance (hereinafter referred to as "Reasons"). Applicant believes the Reasons, to the extent understood, may be misconstrued and, as such, are incomplete. Applicant submits that indeed, the claims of the instant application, individually or in combination with other claims (via dependency), describe the patentable subject matter of Applicant's invention(s). Accordingly, the Reasons in no way bind or affect the interpretation, infringement, validity and/or enforceability of any claim(s) or patent(s) resulting from, or relating to this application.

Applicant does not believe any fees are due with this submission. However, the commissioner is hereby authorized to charge any fees due or credit any overpayments to Deposit Account 502207 (Order No. 110595-8016.US01).

Respectfully submitted,

/Julia A. Thomas/

Julia A. Thomas
Reg. No. 52,283

Customer No. 22918

PTO/SB/122 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
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Application

Address to:
Commissioner for Patents
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Alexandria, VA 22313-1450

Application Number	12/173,747
Filing Date	07/15/2008
First Named Inventor	Sean Barger
Art Unit	2455
Examiner Name	Murphy, Charles C.
Attorney Docket Number	110595-8016.US01

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I am the:

☐ Applicant/Inventor

☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☑ Attorney or agent of record. Registration Number 52283.

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number_____.

Signature	/Julia A. Thomas/
Typed or Printed Name	Julia A. Thomas
Date 01/09/2014	Telephone 650-838-4300

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

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Patent Application Fee Transmittal

Application Number:	12173747
Filing Date:	15-Jul-2008
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Filer:	Michael Glenn/Christine Ortt
Attorney Docket Number:	110595-8016.US01

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	2501	1	480	480
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**480**

Electronic Acknowledgement Receipt	
EFS ID:	17873784
Application Number:	12173747
International Application Number:	
Confirmation Number:	7377
Title of Invention:	Automated Media Delivery System
First Named Inventor/Applicant Name:	Sean Barger
Customer Number:	22862
Filer:	Michael Glenn/Christine Ortt
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	110595-8016.US01
Receipt Date:	09-JAN-2014
Filing Date:	15-JUL-2008
Time Stamp:	20:46:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$480
RAM confirmation Number	7869
Deposit Account	502207
Authorized User	GLENN, MICHAEL
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		110595-8016US01_IssueFee.pdf	2251712 a2bf51276fdb424b96e3f123e6fb8490ee965ae1	yes	5

Multipart Description/PDF files in .zip description

Document Description	Start	End
Issue Fee Payment (PTO-85B)	1	2
Post Allowance Communication - Incoming	3	4
Change of Address	5	5

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30118 be8d789b8244490ad3cfd7f04c97f0dd109d2e7f	no	2

Warnings:

Information:

Total Files Size (in bytes):	2281830

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/173,747	02/18/2014	8656046	110595-8016.US01	7377

22918 7590 01/29/2014

PERKINS COIE LLP - PAO General
P.O. BOX 1247
SEATTLE, WA 98111-1247

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 384 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Sean Barger, Mill Valley, CA;
Steve Johnson, Mill Valley, CA;
Matt Butler, Beaverton, OR;
Jerry Destremps, Sausalito, CA;
David Pochron, Cambridge, WI;
Trent Brown, San Anselmo, CA;

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