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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. 19299.0006	
		First Named Inventor Naeem Lakhani	
		Title VIDEO TO DATA	
		Express Mail Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. ☐ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>13</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>5</u>] 6. Inventor's Oath or Declaration [Total Pages _____] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☐ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☐ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☐ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: _____ _____ _____ _____ _____

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19. CORRESPONDENCE ADDRESS				
☒ The address associated with Customer Number: <u>27890</u> OR ☐ Correspondence address below				
Name				
Address				
City	State	Zip Code		
Country	Telephone	Email		

Signature	/Harold H. FOX Reg#41498/	Date	February 7, 2014
Name (Print/Type)	Harold H. Fox	Registration No. (Attorney/Agent)	41,498

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VIDEO TO DATA

CLAIM OF PRIORITY

This application claims priority to U.S. Provisional Patent Application No. 61/866,175, filed on August 15, 2013, which is incorporated by reference in its entirety.

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TECHNICAL FIELD

The present invention relates to a method and a system for generating various and useful data from videos.

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BACKGROUND

In the field of image contextualization, distributed reverse image similarity searching can be used to identify images similar to a target image. Reverse image searching can find exactly matching images as well as flipped, cropped, and altered versions of the target image. Distributed reverse image similarity searching can be used to identify symbolic similarity within images. Audio-to-text algorithms can be used to transcribe text from audio. An exemplary application is note-taking software. Audio-to-text, however, lacks semantic and contextual language understanding.

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SUMMARY

The present invention is generally directed to a method to generate data from video content, such as text and/or image-related information. A server executing the method can be directed by a program stored on a non-transitory computer-readable medium. The video text can be, for example, a context description of the video.

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An aspect of the method can include generating text from an image of the video, converting audio associated with the video to text, extracting topics from the text converted from the audio, cross-referencing the text generated from the image of the video and the topics extracted from audio associated with the video, and generating video text based on a result of the cross-referencing.

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In some embodiments, natural language processing can be applied to the generation of text from an image of the video, converting audio associated with the video to text, or both.

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In other embodiments, the text from the image of the video can be generated by identifying context, a symbol, a brand, a feature, an object, and/or a topic in the image of the video.

In yet other embodiments, the text from the image can be generated by first segmenting images of the video, and then converting the segments of images to text in parallel. The text from the audio can be generated by first segmenting images of the audio, and then converting the segments of images to text in parallel. The audio can be segmented at spectrum thresholds.

In some embodiments, the method can include generating advertising based on video content. The video content can be text, context, symbols, brands, features, objects, and/or topics related to or found in the video. An advertisement can be placed at a specific time in the video based on the video content and/or section symbol of a video image. In some embodiments, the method can include directing when one or more advertisements can be placed in a predetermined context at a preferred time.

DESCRIPTION OF THE DRAWINGS

The present invention is further described in the detailed description which follows, in reference to the noted plurality of drawings by way of non-limiting examples of certain embodiments of the present invention, in which like numerals represent like elements throughout the several views of the drawings, and wherein:

FIG. 1 illustrates an embodiment of present invention.

FIG. 2 illustrates an embodiment of image data processing.

FIG. 3 illustrates an embodiment of audio data processing.

FIG. 4 illustrates another embodiment of present invention.

FIG. 5 illustrates various exemplary embodiments of present invention.

DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS

A detailed explanation of the system and method according to exemplary embodiments of the present invention are described below. Exemplary embodiments described, shown, and/or disclosed herein are not intended to limit the claims, but rather, are intended to instruct one of ordinary skill in the art as to various aspects of the invention. Other embodiments can be

practiced and/or implemented without departing from the scope and spirit of the claimed invention.

The present invention is generally directed to system, device, and method of generating content from video files, such as text and information relating to context, symbols, brands, features, objects, faces and/or topics found in the images of such videos. In an embodiment, the video-to-content engine can perform the functions directed by programs stored in a computer-readable medium. That is, the embodiments may take the form of a hardware embodiment (including circuits), a software embodiment, or an embodiment combining software and hardware. The present invention can take the form of a computer-program product that includes computer-useable instructions embodied on one or more computer-readable media.

The various video-to-content techniques, methods, and systems described herein can be implemented in part or in whole using computer-based systems and methods. Additionally, computer-based systems and methods can be used to augment or enhance the functionality described herein, increase the speed at which the functions can be performed, and provide additional features and aspects as a part of or in addition to those described elsewhere in this document. Various computer-based systems, methods and implementations in accordance with the described technology are presented below.

A video-to-content engine can be embodied by the a general-purpose computer or a server and can have an internal or external memory for storing data and programs such as an operating system (e.g., DOS, Windows 2000™, Windows XP™, Windows NT™, OS/2, UNIX or Linux) and one or more application programs. Examples of application programs include computer programs implementing the techniques described herein for lyric and multimedia customization, authoring applications (e.g., word processing programs, database programs, spreadsheet programs, or graphics programs) capable of generating documents or other electronic content; client applications (e.g., an Internet Service Provider (ISP) client, an e-mail client, or an instant messaging (IM) client) capable of communicating with other computer users, accessing various computer resources, and viewing, creating, or otherwise manipulating electronic content; and browser applications (e.g., Microsoft's Internet Explorer) capable of rendering standard Internet content and other content formatted according to standard protocols such as the Hypertext Transfer Protocol (HTTP). One or more of the application programs can be installed on the internal or external storage of the general-purpose computer. Alternatively,

application programs can be externally stored in or performed by one or more device(s) external to the general-purpose computer.

The general-purpose computer or server may include a central processing unit (CPU) for executing instructions in response to commands, and a communication device for sending and receiving data. One example of the communication device can be a modem. Other examples include a transceiver, a communication card, a satellite dish, an antenna, a network adapter, or some other mechanism capable of transmitting and receiving data over a communications link through a wired or wireless data pathway.

The general-purpose computer or server may also include an input/output interface that enables wired or wireless connection to various peripheral devices. In one implementation, a processor-based system of the general-purpose computer can include a main memory, preferably random access memory (RAM), and can also include a secondary memory, which may be a tangible computer-readable medium. The tangible computer-readable medium memory can include, for example, a hard disk drive or a removable storage drive, a flash based storage system or solid-state drive, a floppy disk drive, a magnetic tape drive, an optical disk drive (Blu-Ray, DVD, CD drive), magnetic tape, paper tape, punched cards, standalone RAM disks, Iomega Zip drive, etc. The removable storage drive can read from or write to a removable storage medium. A removable storage medium can include a floppy disk, magnetic tape, optical disk (Blu-Ray disc, DVD, CD) a memory card (CompactFlash card, Secure Digital card, Memory Stick), paper data storage (punched card, punched tape), etc., which can be removed from the storage drive used to perform read and write operations. As will be appreciated, the removable storage medium can include computer software or data.

In alternative embodiments, the tangible computer-readable medium memory can include other similar means for allowing computer programs or other instructions to be loaded into a computer system. Such means can include, for example, a removable storage unit and an interface. Examples of such can include a program cartridge and cartridge interface (such as the found in video game devices), a removable memory chip (such as an EPROM or flash memory) and associated socket, and other removable storage units and interfaces, which allow software and data to be transferred from the removable storage unit to the computer system.

An embodiment of video-to-text engine operation is illustrated in FIG. 1. At 110, a video stream is presented. The video stream may be in format of (but not limited to): Advanced Video

Codec High Definition (AVCHD), Audio Video Interlaced (AVI), Flash Video Format (FLV), Motion Picture Experts Group (MPEG), Windows Media Video (WMV), or Apple QuickTime (MOV), h.264 (MP4).

The engine can extract audio data and image data (e.g. images or frames forming the video) from the video stream.

In some embodiments, the video stream and the extracted image data can be stored in a memory or storage device such as those discussed above. A copy of the extracted image data can be used for processing.

At 120, the video-to-text engine performs an image data processing on the video stream. An example of the image data processing is illustrated in FIG. 2. In FIG. 2, the image data 310 can be segmented into N segments and processed in parallel (e.g., distributed processing 320-1 to 320-N), allowing for near real-time processing.

An example of the video image data processing can be symbol (or object) based. Using image processing technique such as color edge detection, a symbol of a screen or an image of the video can be isolated. The symbol can be identified using an object template database. For example, the symbol includes 4 legs and a tail, and when matched with the object template database, the symbol may be identified as a dog. The object template database can be adaptive and therefore, the performance would improve with usage.

Other image data processing techniques may include image extraction, high-level vision and symbol detection, figure-ground separation, depth and motion perception.

Another example of video image processing can be color segmentation. The colors of an image (e.g., a screen) of the video can be segmented or grouped. The result can be compared to a database using color similarity matching.

Based on the identified symbol, a plurality of instances of the symbol can be compared to a topic database to identify a topic (such as an event). For example, the result may identify the dog (symbol) as running or jumping. The topic database can be adaptive to improve its performance with usage.

Thus, using the processing example above, text describing a symbol of the video and topic relating to the symbol may be generated. Data generated from an image and/or from audio transcription can be time stamped, for example, according to when it appeared, was heard, and/or according to the video frame from which it was pulled.

At 330, the engine combines the topics as an array of keys and values with respect to the segments. The engine can segment the topics over a period of time and weight the strength of each topic. Further, the engine applies the topical meta-data to the original full video. The image topics can be stored as topics for the entire video or each image segment. The topic generation process can be repeated for all identifiable symbols in a video in a distributed process. The outcome would be several topical descriptors of the content within a video. An example of the aggregate information that would be derived using the above example would be understanding that the video presented a dog, which was jumping, on the beach, with people, by a resort.

Natural language processing can be useful in creating an intuitive and/or user-friendly computer-human interaction. In some embodiments, the system can select semantics or topics, following certain rules, from a plurality of possible semantics or topics, can give them weight based on strength of context, and/or can do this in a distributed environment. The natural language processing can be augmented and/or improved by implementing machine-learning. A large training set of data can be obtained from proprietary or publicly available resources. For example, CBS News maintains a database of segments and episodes of "60-Minutes" with full transcripts, which can be useful for building a training set and for unattended verification of audio segmentation. The machine learning can include ensemble learning based on the concatenation of several classifiers, i.e. cascade classifiers.

At 130, an optional step of natural language processing can be applied to the image text. For example, based on dictionary, grammar, and a knowledge database, the text extracted from video images can be modified as the video-to-text engine selects primary semantics from a plurality of possible semantics. In some embodiments, the system and method can incorporate a Fourier transform of the audio signal. Such filtering can improve silence recognition, which can be useful for determining proper placement of commas and periods in the text file.

In parallel, at 140, the video-to-text engine can perform audio-to-text processing on audio data associated with the video. For example, for a movie video, the associated audio may be the dialog or even background music.

An example of the audio data processing is illustrated in FIG. 3. In FIG. 3, the audio data can be segmented into N segments and processed in parallel (e.g., distributed processing 420-1 to 420-N), allowing for near real-time processing.

In some embodiments, the segmentation can be performed by a fixed period of time. In another example, quiet periods in the audio data can be detected, and the segmentation can be defined by the quiet periods. For example, the audio data can be processed and converted into a spectrum. Locations where the spectrum volatility is below a threshold can be detected and segmented. Such locations can represent silence or low audio activities in the audio data. The quiet periods in the audio data can be ignored, and the processing requirements thereof can be reduced.

Audio data and/or segments of audio data can be stored in, for example, memory or storage device discussed above. Copies of the audio segments can be sent to audio processing.

The audio data for each segment can be translated into text in parallel, for example through distributed computing, which can reduce processing time. Various audio analysis tools and processes can be used, such as audio feature detection and extraction, audio indexing, hashing and searching, semantic analysis, and synthesis.

At 430, text for a plurality of segments can then be combined. The combination can result in segmented transcripts and/or a full transcripts of the audio data. In an embodiment, the topics in each segment can be extracted. When combined, the topics in each segment can be given a different weight.

The audio topics can be stored as topics for the entire video or each audio segment.

At 150, an optional step of natural language processing can be applied to the text. For example, based on dictionary, grammar, and/or a knowledge database, the text extract from the audio stream of a video can be given context, an applied sentiment, and topical weightings.

At 160, the topics generated from an image or a frame and the topics extracted from audio can be combined. The text can be cross-referenced, and topics common to both texts would be given additional weights. At 170, the video-to-text engine generates video text, such as text describing the content of the video, using the result of the combined texts and cross reference. For example, key words indicating topic and semantic that appear in both texts can be selected or emphasized.

FIG. 4 illustrates another embodiment of the present invention. User equipment (UE) 210 can communicate with a server or servers 220 via a network 230. An exemplary embodiment of the system can be implemented over a cloud computing network.

The UE 210 can include, for example, a laptop, a tablet, a mobile phone, a personal digital assistant (PDA), a keyboard, a display monitor with or without a touch screen input, and an audiovisual input device. In another implementation, the peripheral devices may themselves include the functionality of the general-purpose computer. For example, the mobile phone or the PDA may include computing and networking capabilities and function as a general purpose computer by accessing a network and communicating with other computer systems.

The server 220 includes the general purpose computer discussed above.

The network 230 includes, for example, the Internet, the World Wide Web, WANs, LANs, analog or digital wired and wireless telephone networks (e.g., Public Switched Telephone Network (PSTN), Integrated Services Digital Network (ISDN), and Digital Subscriber Line (xDSL)), radio, television, cable, or satellite systems, and other delivery mechanisms for carrying data. A communications link can include communication pathways that enable communications through one or more networks.

In some embodiments, a video-to-content engine can be embodied in a server or servers 220. The UE 210, for example, requests an application relating to the video stream. The servers 220 perform the audio-to-text process on the segmented audio in parallel. The distributed audio-to-text processing reduces the overall response time. This method allows real-time audio-to-text conversion.

The UE 210 communicates with the server 220 via the network 230 for video stream application. The video-to-content engine can generate the video text as illustrated in FIG. 1. The server 220 then generates advertisement (text, images, or animation) based on the video text. In some embodiments, the server adds the advertisement to a specific symbol, image, frame, or a specific time in the video stream. The specific symbol, image, frame, or the specific time in the video stream can be selected based on the video text.

The server 220 can add the audio text to the video stream in real time (i.e. real time close caption).

The server 220 can generate video recommendation based on a database of the video text. In some embodiments, the server 220 can search videos based on the video text (e.g., via a database of video text). In this fashion, video search can be optimized. Applications for the video search optimization may include search engine optimization (SEO), search engine marketing (SEM), censorship and removal materials of copyright violation.

The video streams can be videos viewed by a user, and the server 220 generates a preference profile for the user using the video data.

In an embodiment, as shown in FIG. 5 for example, a server node can fetch a video file. For example, a URL can be used to fetch the video file from an Internet such as YouTube, and from such URL the video can be scraped. The server can divide the video into chunks of smaller data files for processing on several nodes of a cluster in parallel. For example, the video file can be separated into audio files and image frame files. Each of the types of files can be normalized.

The normalized audio files can be split into constituent files for processing and reduction in parallel by various nodes. Various reduction processes can be performed on the constituent audio files such as phoneme detection and assembly as well as grammar assembly. An output of the audio processing steps can be an extracted text map.

The normalized image frame files can be processed in order to extract various data maps, such as a text map, a tag map, a brand, an object map, a feature map, and/or a tracking map. Such maps can be achieved through various extraction steps. For example, the normalized image frame files can be analyzed for text identification and/or by optical character recognition. The data can be improved through a dictionary verification step. Various maps can be created based on edge detection and/or image segmentation techniques. Such techniques can be improved by focusing on regions of interest, for example based on brands, logos, objects, and/or features of interest. Additionally, or alternatively, pixel gradients of the normalized image frame files can be analyzed and/or the files can be segmented by temporal and/or spatial components, and thus, for example, allow extraction of motion within the video images, which in turn can be used for tracking.

An advantage of present embodiments includes the ability to provide real-time or faster-than-real-time content output. This can be achieved through one or more components and/or steps. For example, a video file can be distributed across at least two layers for processing. The audio can be converted to text on at least one layer, and the images can be processed on at least one other layer. In some embodiments, natural language processing can abstract topics, sentiments, temporal topic-tagging, and can be used for further optimization and/or machine learning. The layers can include node clusters for parallel processing chunks of the video file into the preferred content. In some embodiments, the files can be maintained and processed in

parallel at each step, and then combined into a single data file as one of the terminal processing steps.

Present embodiments have wide application. For example, video indexing, reverse image lookup, video co-groupings and graph searches, and video similarity indexing, as described herein, can be used for searching, for classification, and for recommendations regarding processed videos. Law enforcement and security industries can implement embodiments for object recognition and motion detection. Media, entertainment, and industrial entities can implement embodiments to monitor for trademark infringement, captioning, advertising and targeting, brand and product monitoring and data collection, and marketing analytics. These exemplary implementation are not intended to be limiting, merely exemplary.

Additionally, or alternatively, to actively fetching and scraping a video, the system and method can be automated as a push system and/or a web crawling system. For example, the server can monitor an RSS feed or online content of specific providers, such as YouTube, Vimeo, the growing myriad of video-content creating websites, or other online video providers. Monitoring of published videos can be tailored to search for extracted data relevant to specific requesters. For example, a purveyor of certain products can be apprised in real-time of new content relevant to the products. Such relevant content can include the context in which the products are found in the video, the appearance of competing products, verification of product placement, and other useful information.

All of the methods disclosed and claimed herein can be made and executed without undue experimentation in light of the present disclosure. While the apparatus and methods of this invention have been described in terms of preferred embodiments, it will be apparent to those of skill in the art that variations may be applied to the methods and in the steps or in the sequence of steps of the method described herein without departing from the concept, spirit and scope or the invention. In addition, from the foregoing it will be seen that this invention is one well adapted to attain all the ends and objects set forth above, together with other advantages. It will be understood that certain features and sub-combinations are of utility and may be employed without reference to other features and sub-combinations. This is contemplated and within the scope of the appended claims. All such similar substitutes and modifications apparent to those skilled in the art are deemed to be within the spirit and scope of the invention as defined by the appended claims.

CLAIMS

1. A method to generate video data from a video comprising:
generating audio files and image files from the video;
5 distributing the audio files and the image files across a plurality of processors and
processing the audio files and the image files in parallel;
converting audio files associated with the video to text;
converting the image files associated with the video to video data;
cross-referencing the text and the video data with the video.
10
2. The method according to claim 1, further comprising:
generating a content-rich video based on the video, the text, and the video data.
3. The method according to claim 1, further comprising:
15 applying natural language processing to the text to determine context associated
with the video.
4. The method according to claim 2, further comprising:
applying natural language processing to the text to extract a topic.
20
5. The method according to claim 1, further comprising:
processing the image files to extract additional text.
6. The method according to claim 5, wherein the additional text is generated by
25 segmenting the image files before processing the image files in parallel.
7. The method according to claim 1, further comprising:
processing the image files to extract an object and determine a motion associated
with the object.
30

8. The method according to claim 1, wherein the text is generated by segmenting the audio before processing the audio files in parallel.

5 9. The method according to claim 7, wherein the audio files and the image files are segmented at spectrum thresholds.

10. The method according to claim 1, further comprising:
generating an advertisement based on the text and the video data.

10 11. The method according to claim 10, further comprising:
placing the advertisement in the video at a preferred time.

12. A system for extracting data from a video, comprising:
a computer processor; and
15 a non-transitory computer readable medium containing instructions directing the system to execute the steps of:
converting audio associated with the video to text;
converting images associated with the video to video data;
extracting topics from the text and the video data;
20 cross-referencing the text, the video data, and the topics with the video; and
generating a content-rich video.

13. The system according to claim 12, wherein converting the audio comprises
natural language processing.
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14. The system according to claim 12, the computer directs the audio to be converted by at least one node of a cluster and the computer directs the images to be converted by at least one other node of the cluster in parallel.

30 15. The server according to claim 12, wherein the audio and the images are segmented at spectrum thresholds.

ABSTRACT

A method and system can generate video content from a video. The method and system can include generating audio files and image files from the video, distributing the audio files and the image files across a plurality of processors and processing the audio files and the image files in parallel. The audio files associated with the video to text and the image files associated with the video to video content can be converted. The text and the video content can be cross-referenced with the video.

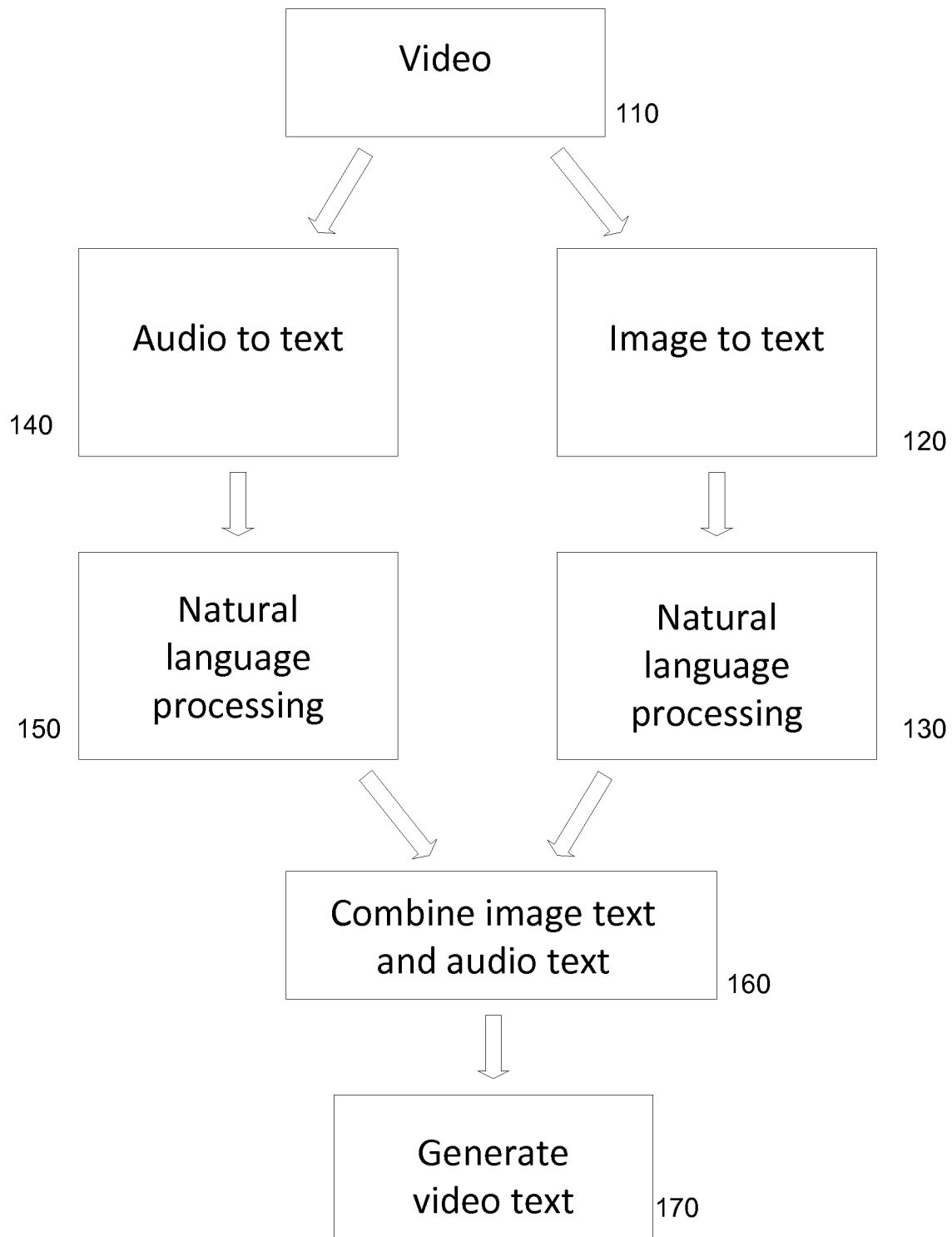


Figure 1

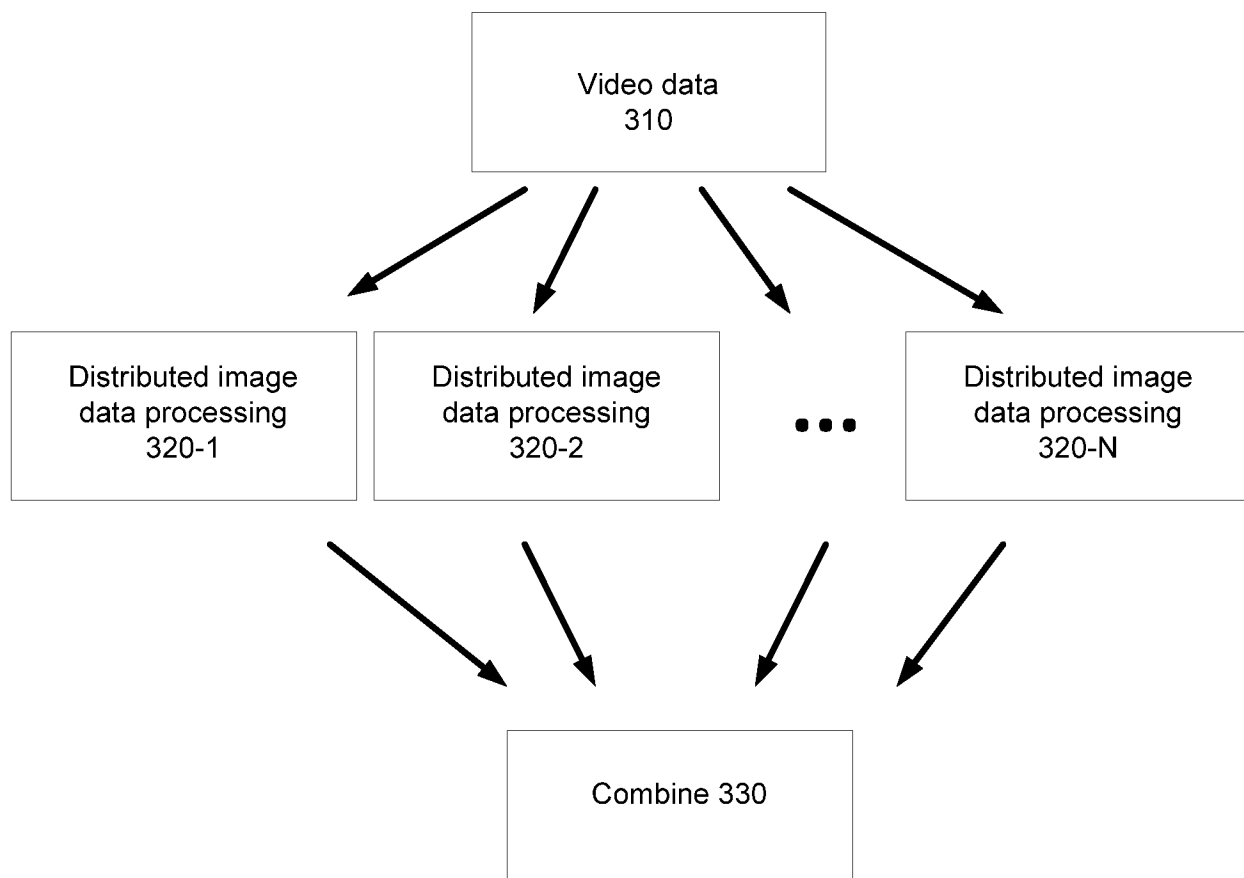


Figure 2

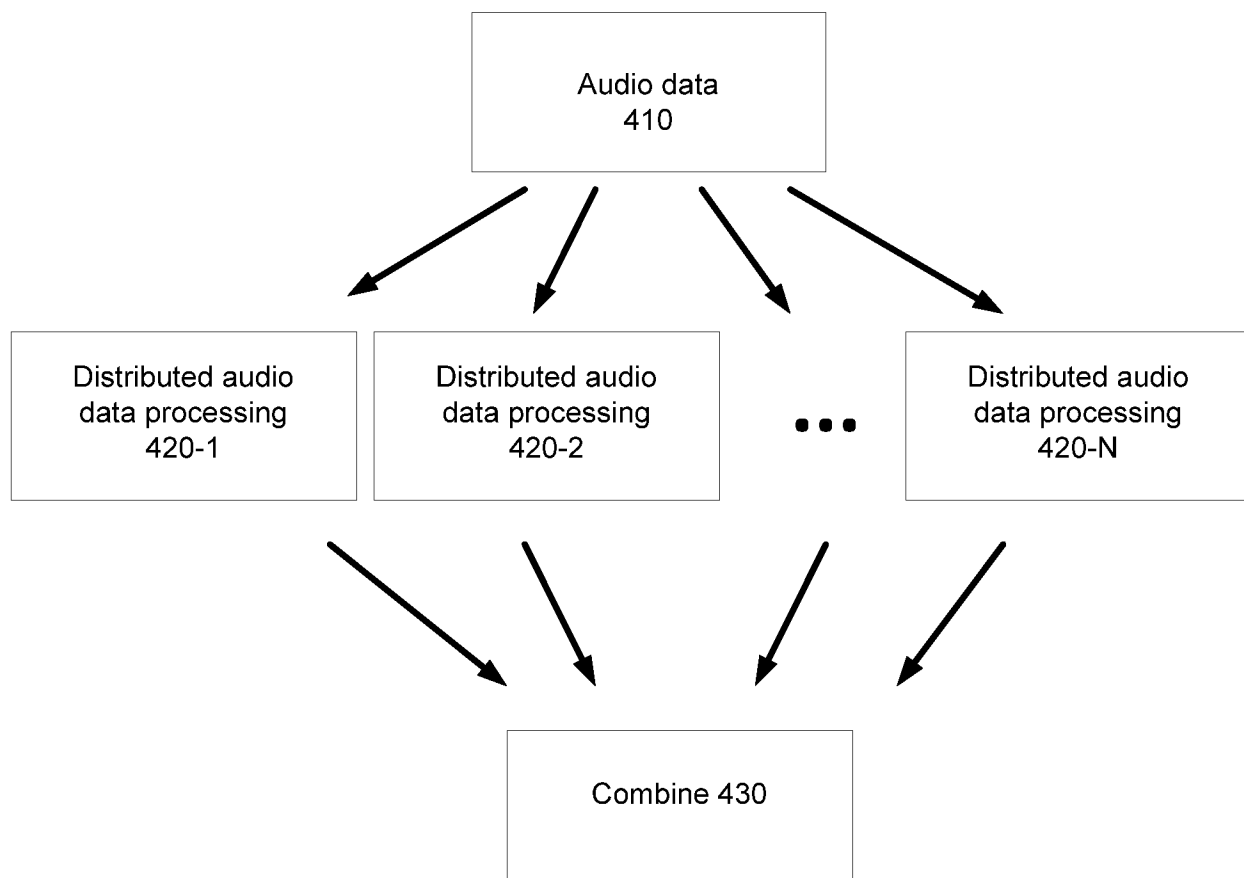


Figure 3

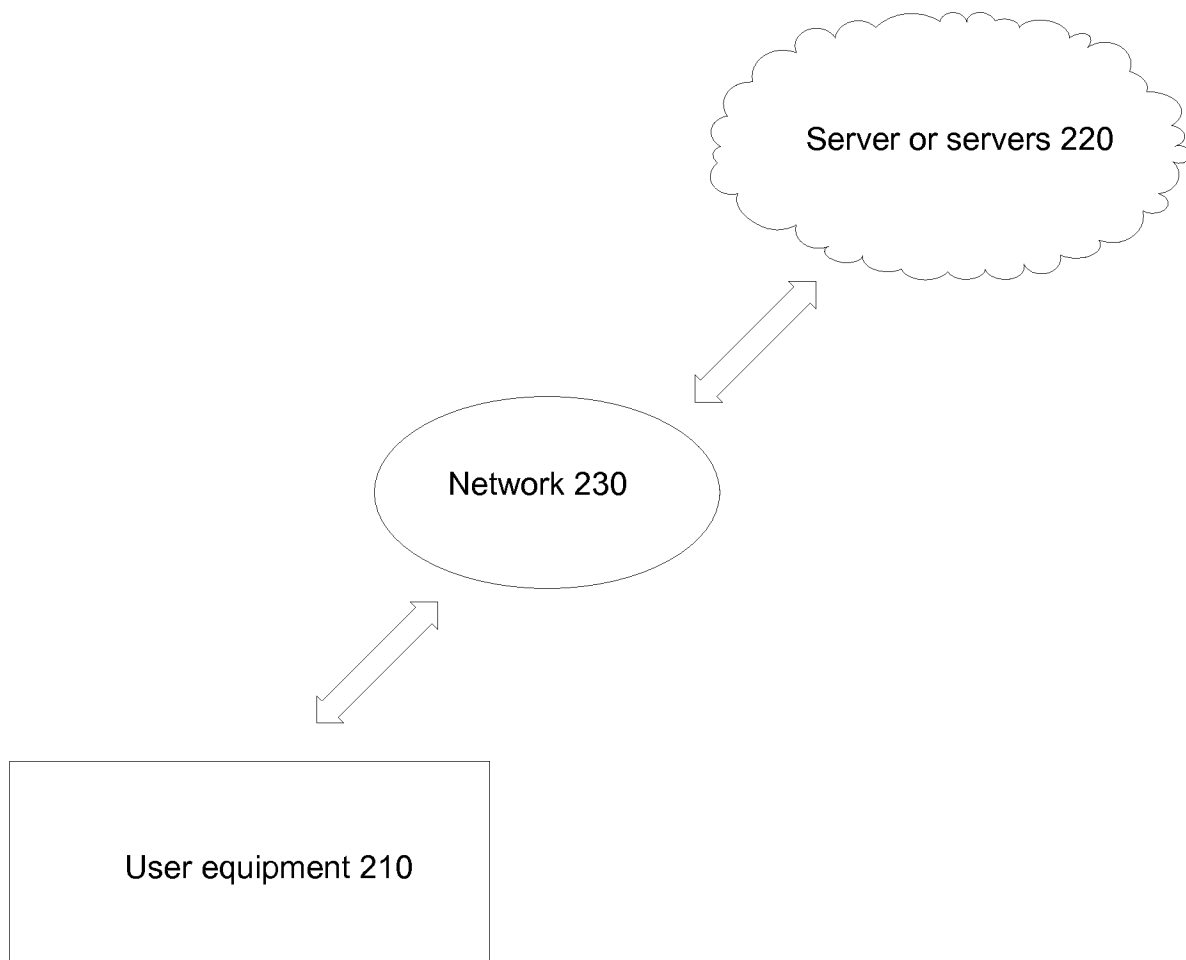


Figure 4

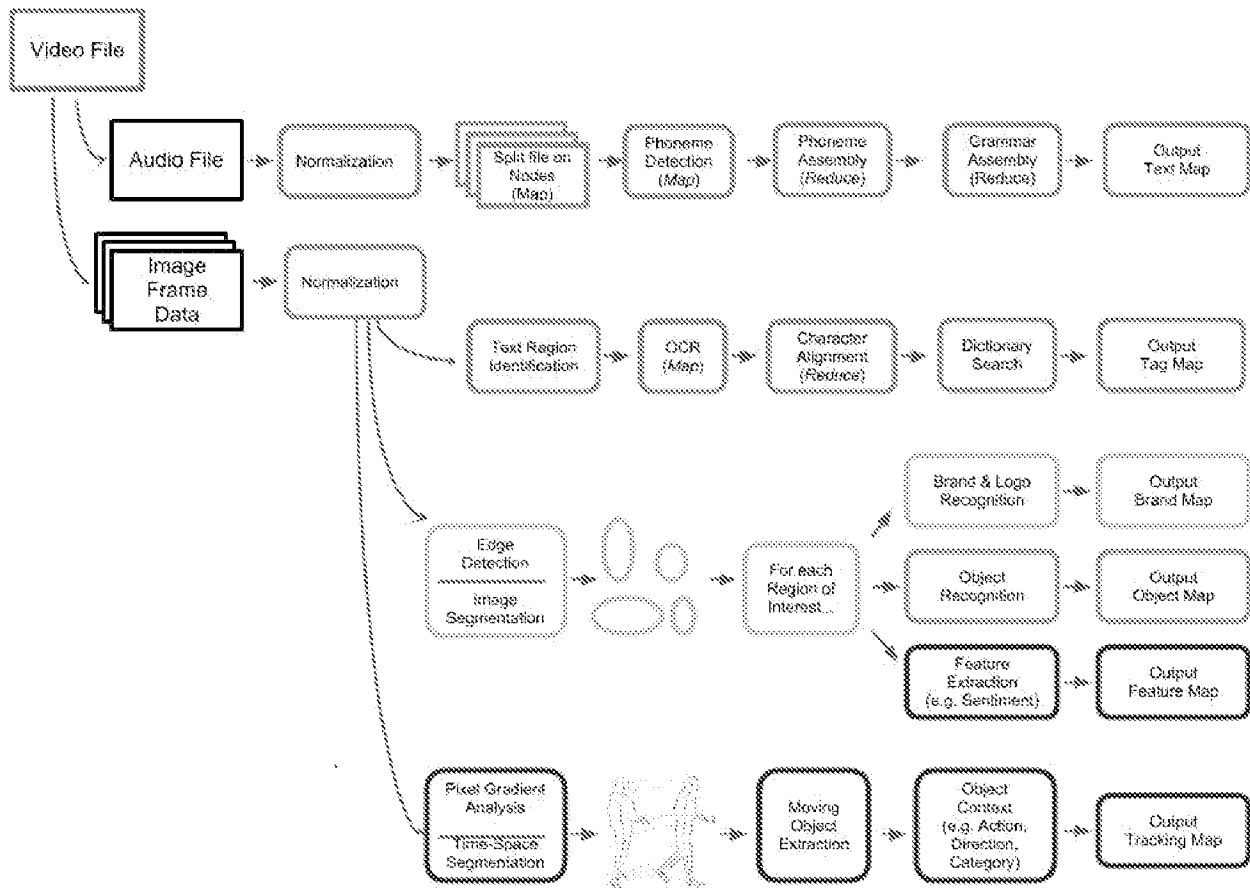


Figure 5

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	Video to data			
First Named Inventor/Applicant Name:	Naeem Lakhani			
Filer:	Harold H. Fox			
Attorney Docket Number:	19299.0006			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	280	280
Utility Search Fee	1111	1	600	600
Utility Examination Fee	1311	1	720	720
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	1051	1	140	140
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1740

Electronic Acknowledgement Receipt

EFS ID:	18151743
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	07-FEB-2014
Filing Date:	
Time Stamp:	17:56:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1740
RAM confirmation Number	4747
Deposit Account	194293
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 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Google Exhibit T007 - Google v. CSI

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	Transmittal of New Application	0006Trans.pdf	86367 d3c693e81147ea2b7916f23deac5909b85a5eb37	no	2

Warnings:

Information:

2		Applnfinal.pdf	238892 7f9558a220496b86d3fb7bbcd2dcdd5f5ab31131	yes	18
---	--	----------------	--	-----	----

Multipart Description/PDF files in .zip description

	Document Description	Start	End
	Specification	1	10
	Claims	11	12
	Abstract	13	13
	Drawings-other than black and white line drawings	14	18

Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	35834 8db92f7eae7341e0b62287757dbfd473c2bedc3	no	2
---	----------------------	--------------	--	----	---

Warnings:

Information:

Total Files Size (in bytes):			361093
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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.

SCORE Placeholder Sheet for IFW Content

Application Number: 14175741

Document Date: 02/07/2014

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via eDAN using the Supplemental Content tab, or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/175,741				
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	280			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	600			
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720			
TOTAL CLAIMS (37 CFR 1.16(j))	15	minus 20 = *			OR	x 80 =	0.00			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *				x 420 =	0.00			
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).			0.00				
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						0.00				
			TOTAL			TOTAL	1600			
* If the difference in column 1 is less than zero, enter "0" in column 2.										
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		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))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		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))							OR		
	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 found in the appropriate box in column 1.										



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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/175,741	02/07/2014		1740	19299.0006	15	2

CONFIRMATION NO. 2791

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

FILING RECEIPT



Date Mailed: 02/28/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

None

Applicant(s)

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 02/25/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/175,741**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Video to data

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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NOT GRANTED

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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014		19299.0006

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 2791
FORMALITIES LETTER



Date Mailed: 02/28/2014

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The inventor's oath or declaration or an application data sheet (ADS) naming each inventor has not been submitted. An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor, or a properly executed ADS in compliance with 37 CFR 1.76 identifying each inventor by his or her legal name, mailing address, and residence (if an inventor lives at a location which is different from where the inventor customarily receives mail) is required. If an ADS as set forth above is provided, the filing of the inventor's oath or declaration may be postponed until the application is otherwise in condition for allowance. See 37 CFR 1.53(f).

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/tnegash/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Naeem Lakhani, et al.
Serial No. : 14/175,741
Filing Date: February 7, 2014
Title : VIDEO TO DATA

Art Unit :
Examiner :
Confirmation No.: 2791

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

RESPONSE TO NOTICE TO FILE MISSING PARTS

In response to the Notice to File Missing Parts of Non-provisional Application mailed February 28, 2014 (copy attached) enclosed is an Application Data Sheet.

Applicants believe no fees are due. If the Applicants have reached this conclusion in error, the Commissioner is authorized to charge any additional fee or credit any overpayment to Deposit Account 19-4293.

Respectfully submitted,

Date: July 28, 2014

/Harold H FOX Reg#41498/

Harold H. Fox

Reg. No. 41,498

Customer No. 27890
STEPTOE & JOHNSON LLP
1330 Connecticut Ave. NW
Washington, DC 20036
Telephone: (202) 429-3000
Facsimile: (202) 429-3902

Electronic Patent Application Fee Transmittal

Application Number:	14175741			
Filing Date:	07-Feb-2014			
Title of Invention:	Video to data			
First Named Inventor/Applicant Name:				
Filer:	Harold H. Fox			
Attorney Docket Number:	19299.0006			
Filed as Large 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 \$0 paid	1253	1	1400	1400

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				1400

Electronic Acknowledgement Receipt

EFS ID:	19707725
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	28-JUL-2014
Filing Date:	07-FEB-2014
Time Stamp:	21:48:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1400
RAM confirmation Number	10843
Deposit Account	194293
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 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Google Exhibit T007 - Google v. CSI

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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	Extension of Time	19299EOT.pdf	1150480	no	2
			db4665f874f503a52c5c4fa3ae04f3dace8bed34		
Warnings:					
Information:					
2	Application Data Sheet	ADSUPDATED.pdf	1561633	no	7
			48c1b27f7d06a3788e2bb40250cb4b0138c44fe8		
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	Ntc.pdf	63034	no	2
			37d42b4329b88e61e9571f536483dd358ca8ce93		
Warnings:					
Information:					
4	Applicant Response to Pre-Exam Formalities Notice	0006Resp.pdf	134738	no	1
			4ac296b83f310f4482206f9e18260aebc5323007		
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	29254	no	2
			655900e293f4558f2172a2ea57fc2d310a9ccdda		
Warnings:					
Information:					
Total Files Size (in bytes):			2939139		

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

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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.

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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) 19299.0006
Application Number 14/175,741	Filed February 7, 2014	
For VIDEO TO DATA		
Art Unit	Examiner	

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	\$ 1400.00
☐ 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 194293☒ 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.☒ attorney or agent of record. Registration number 41498☐ attorney or agent acting under 37 CFR 1.34. Registration number _____/Harold H. FOX Reg#41498/

Signature

July 28, 2014

Date

Harold H. Fox

Typed or printed name

202-429-3000

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 _____ 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 5 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: Mail Stop PCT, 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 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.

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Naeem		Lakhani		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Croyden	Country of Residence i	UK		

Mailing Address of Inventor:

Address 1	45 Chepstow Rise, Park Hill				
Address 2					
City	Croyden	State/Province			
Postal Code	CRO 5LX	Country i	UK		

Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Bartlett	Wade	Smith		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Madison	State/Province	MS	Country of Residence i	US

Mailing Address of Inventor:

Address 1	109 Antlers Lane				
Address 2					
City	Madison	State/Province	MS		
Postal Code	39110	Country i	US		

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button.

Add

Correspondence Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

Customer Number	27890		
Email Address	ipdocketing@steptoe.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	VIDEO TO DATA		
Attorney Docket Number	19299.0006	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	Suggested Figure for Publication (if any)	1

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	27890		

Google Exhibit 1007 - Google v. CSI

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61866175	2013-08-15
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices
<p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p>

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.		
Applicant 1		<input type="button" value="Remove"/>
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p>		
<input type="button" value="Clear"/>		
☒ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Joint Inventor
☐ Person to whom the inventor is obligated to assign.	☐ Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
Name of the Deceased or Legally Incapacitated Inventor :		
If the Applicant is an Organization check here. ☒		
Organization Name	Cellular South, Inc. dba C Spire Wireless	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Mailing Address Information:			
Address 1	1018 Highland Colony Parkway, Suite 700		
Address 2			
City	Ridgeland	State/Province	MS
Country i	US	Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Harold H. FOX Reg#41498/			Date (YYYY-MM-DD)	2014-07-28
First Name	Harold	Last Name	Fox	Registration Number	41498
Additional Signature may be generated within this form by selecting the Add button.					Add

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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

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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.



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014		19299.0006

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 2791
FORMALITIES LETTER



Date Mailed: 02/28/2014

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The inventor's oath or declaration or an application data sheet (ADS) naming each inventor has not been submitted. An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor, or a properly executed ADS in compliance with 37 CFR 1.76 identifying each inventor by his or her legal name, mailing address, and residence (if an inventor lives at a location which is different from where the inventor customarily receives mail) is required. If an ADS as set forth above is provided, the filing of the inventor's oath or declaration may be postponed until the application is otherwise in condition for allowance. See 37 CFR 1.53(f).

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/tnegash/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/175,741			
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	280		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	600		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720		
TOTAL CLAIMS (37 CFR 1.16(j))	15	minus 20 = *			OR	x 80 =	0.00		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *				x 420 =	0.00		
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).						0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00		
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL	1600		
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		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))					OR			
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR			
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		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))					OR			
	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 found in the appropriate box in column 1.									



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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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014	Naeem Lakhani	19299.0006

CONFIRMATION NO. 2791

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

NOTICE



Date Mailed: 08/05/2014

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
Naeem Lakhani
Bartlett Wade Smith



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 NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/175,741	02/07/2014		1740	19299.0006	15	2

CONFIRMATION NO. 2791

UPDATED FILING RECEIPT

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036



Date Mailed: 08/05/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Naeem Lakhani, Croyden, UNITED KINGDOM;
Bartlett Wade Smith, Madison, MS;

Applicant(s)

Cellular South, Inc. dba C Spire Wireless, Ridgeland, MS

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/866,175 08/15/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 02/25/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/175,741**

Projected Publication Date: 02/19/2015

Non-Publication Request: No

Early Publication Request: No

Title

Video to data

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014	Naeem Lakhani	19299.0006

CONFIRMATION NO. 2791

PUBLICATION NOTICE



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27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

Title:Video to data

Publication No.US-2015-0050010-A1

Publication Date:02/19/2015

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/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 12/24/2015
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
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2659

NOTIFICATION DATE	DELIVERY MODE
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12/24/2015

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com

Office Action Summary	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	AIA (First Inventor to File) Status Yes

-- 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 MONTHS 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 02/07/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 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) 1-15 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) 1-15 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 02/07/2014 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).

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)).

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

Attachment(s)

- | | |
|---|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____ | 4) ☐ Other: _____ |

DETAILED ACTION

1. This communication is in response to the Application filed on 02/07/2014. Claims 1-15 are pending and have been examined.
2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Claim Rejections - 35 USC § 102

3. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

5. Claims 1-5, 10, 12, and 13 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Li (US 2006/0212897).

As to claim 1, Li teaches a method to generate video data from a video comprising:

generating audio files and image files from the video (see [0035], where audio and video stream created from the original audio-video stream);

distributing the audio files and the image files across a plurality of processors and processing the audio files and the image files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams, where audio stream separated from other streams and see 42 other recognition components and see [0045], such as OCR and speech recognition and see [0023], which discloses multiprocessor systems and distributed implementation);

converting audio files associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio);

converting the image files associated with the video to video data (see [0045], where ocr performed on video information stream);

cross-referencing the text and the video data with the video (see [0058]-[0060], where keywords determined from both streams are used in order to retrieve a relevant ad).

As to claim 2, Li teaches further comprising: generating a content-rich video based on the video, the text, and the video data (see Figure 2, 238 and [0038], where advertising content embeds ads into original audio/video based on keywords derived from video stream and audio stream).

As to claim 3, Li teaches further comprising: applying natural language processing to the text to determine context associated with the video (see [0037], where NLP performed in the sense of topical change detection by analyzing keywords extracted).

As to claim 4, Li teaches further comprising: applying natural language processing to the text to extract a topic (see [0019], where keywords extracted represent topics of the text derived from speech recognition and data mining technologies in the text).

As to claim 5, Li teaches further comprising: processing the image files to extract additional text (see [0045], where ocr performed on video information stream).

As to claim 10, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2, advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

As to claim 12, Li teaches a system for extracting data from a video, comprising:
a computer processor (see [0023], multi-processor); and

a non-transitory computer readable medium containing instructions directing the system to execute the steps of (see [0023], program modules stored in CRM):

converting audio associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio);

converting images associated with the video to video data (see [0045], where ocr performed on video information stream);

extracting topics from the text and the video data (see [0019], where keywords represent topics and see [0036], where keywords extracted from various streams);

cross-referencing the text, the video data, and the topics with the video (see [0037], where keywords are compared to an ad keyword list); and

generating a content-rich video (see Figure 2, 238 and [0038], where advertising content embeds ads into original audio/video).

As to claim 13, Li teaches wherein converting the audio comprises natural language processing (see [0019], speech recognition and phonetic search).

Claim Rejections - 35 USC § 103

6. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any

Art Unit: 2659

correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 7 and 11 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Srivara (US 2011/0292992).

As to claim 7, Li teaches all of the limitations as in claim 1, above.

However, Li does not specifically teach processing the image files to extract an object and determine a motion associated with the object.

Srivara does teach processing the image files to extract an object and determine a motion associated with the object (see [0029], where identification of stationary and moving object determined for ad placement).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li with the determining a motion associated with an object as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008]).

As to claim 11, Li teaches all of the limitations as in claim 10, above.

Furthermore, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2, advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

However, Li does not specifically teach placing the advertisement in the video at a preferred time.

Srivara does teach further comprising: placing the advertisement in the video at a preferred time (see [0007], where supplemental information is placed at a specific place and time).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li with the ad being placed at a preferred time as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008]).

9. Claim 6 and 8 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Zhang (US 2003/0112265).

As to claim 6, Li teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches wherein the additional text is generated (see [0045], where ocr performed on video information stream)....before processing

the image files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Li does not specifically teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel.

Zhang does teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel (see [0007], [0123] where video data is segmented for browsing, editing and playback).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li with the image segmentation as taught by Zhang for the purpose of segmenting and indexing video into semantically meaningful video scenes (see Zhang [0013], [0123]).

As to claim 8, Li teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches wherein the additional text is generated (see [0045], where ocr performed on video information stream)....before processing the audio files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Li does not specifically teach wherein the text is generated by segmenting the audio before processing the audio files in parallel

Zhang does teach wherein the text is generated by segmenting the audio before processing the audio files in parallel (see [0111], where segments of audio are screened of no speech detected, thus segmenting between speech and non-speech, where Li discloses generic speech detection).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li with the audio segmentation as taught by Zhang for the purpose of allowing the procedure to occur more faster, thus saving processing time (see Zhang [0111]).

10. Claims 9 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Srivara, as applied in claim 7, above and further in view of Zhang (US 2003/0112261).

As to claim 9, Li in view of Srivara teaches all of the limitations as in claim 7, above.

However, Li in view of Srivara does not specifically teach wherein the audio files and the image files are segmented at spectrum thresholds.

Otani does teach wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Srivara with the audio segmentation as taught by Zhang for the purpose of substituting the generic speech detector of Li in view of Srivara with the specific detection algorithm of Zhang in order to have yielded predictable result of speech detection. *KSR International Co. v. Teleflex, Inc.*, 550 U.S. 398, 82 USPQ2d 1385 (2007).

However, Li in view of Srivara in view of Otani does not specifically teach image files are segmented at spectrum thresholds.

Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determined change in background audio in order to segment video).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Srivara in view of Otani with the image segmentation as taught by Zhang for the purpose of segmenting video in a semantically meaningful video scenes (see Zhang [0001]).

11. Claims 14 is rejected under 35 U.S.C. 103 as being unpatentable over Li.

As to claim 14, Li teaches the computer directs at least one node of a cluster and the computer by at least one other node of the cluster in parallel (see [0023], distributed computing and multiprocessor systems).

However, Li does not specifically disclose the audio being converted by one node and images being converted by another node.

The Examiner contends that such distribution of processes would have been obvious in view of the teachings of Li. More specifically, Li discloses the conversion of audio in Figure 2, speech recognition component 214 and discloses image conversion in paragraph [0045]. Furthermore, Li discloses distributed processing in [0023]. Therefore, the ability to distribute the audio conversion process and image conversion process would have been obvious to one of ordinary skilled in the art in order to lessen the burden of resources on a single computing system.

12. Claim 15 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Otani (US 2005/0108004) in view of Zhang (US 2003/0112261).

As to claim 15, Li teaches all of the limitations as in claim 12, above.

However, Li does not specifically teach wherein the audio files and the image files are segmented at spectrum thresholds.

Otani does teach wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already

discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li with the audio segmentation as taught by Zhang for the purpose of substituting the generic speech detector of Li with the specific detection algorithm of Zhang in order to have yielded predictable result of speech detection. *KSR International Co. v. Teleflex, Inc.*, 550 U.S. 398, 82 USPQ2d 1385 (2007).

However, Li in view of Otani does not specifically teach image files are segmented at spectrum thresholds.

Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determined change in background audio in order to segment video).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Otani with the image segmentation as taught by Zhang for the purpose of segmenting video in a semantically meaningful video scenes (see Zhang [0001]).

Conclusion

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

Kadie (US 2006/0179453) is cited to disclose analysis for contextual ads. Lau (US 2007/0112630) is cited to disclose rendering advertisements with rich media. Stern (US 2008/0120646) is cited to disclose associating relevant advertising with video content. Huchital (US 2008/0276266) is cited to disclose content of characterizing identification of ads. Lax (US 2009/0006375) is cited to disclose selection of advertisement for placement with content. Surendran (US 2009/0199235) is cited to disclose video contextual ads using speech recognition. Arankalle (US 2009/0006191) is cited to disclose targeted in-video advertising. Burkitt (US 2012/0254917) is cited to disclose real-time processing and delivery of segmented video.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paras D. Shah whose telephone number is (571)270-1650. The examiner can normally be reached on MON.-THURS. 7:30a.m.-4:00p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pierre-Louis Desir can be reached on (571)272-7799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2659

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/Paras D Shah/
Primary Examiner, Art Unit 2659

11/30/2015

Notice of References Cited	Application/Control No. 14/175,741		Applicant(s)/Patent Under Reexamination LAKHANI ET AL.	
	Examiner Paras D. Shah		Art Unit 2659	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2003/0112261	06-2003	Zhang, Tong	345/716
*	B	US-2003/0112265	06-2003	Zhang, Tong	345/723
*	C	US-2005/0108004	05-2005	Otani et al.	704/205
*	D	US-2006/0179453	08-2006	Kadie et al.	725/034
*	E	US-2006/0212897	09-2006	Li et al.	725/032
*	F	US-2007/0112630	05-2007	Lau et al.	705/014
*	G	US-2008/0120646	05-2008	Stern et al.	725/34
*	H	US-2008/0276266	11-2008	Huchital et al.	725/32
*	I	US-2009/0006375	01-2009	Lax et al.	707/5
*	J	US-2009/0199235	08-2009	Surendran et al.	725/34
*	K	US-2009/0006191	01-2009	Arankalle et al.	705/14
*	L	US-2011/0292992	12-2011	Sirivara, Sudheer	375/240.01
*	M	US-2012/0254917	10-2012	Burkitt et al.	725/40

FOREIGN PATENT DOCUMENTS

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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



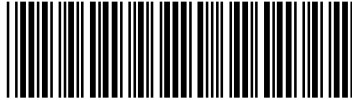
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CONFIRMATION NO. 2791

SERIAL NUMBER 14/175,741	FILING or 371(c) DATE 02/07/2014 RULE	CLASS 704	GROUP ART UNIT 2659	ATTORNEY DOCKET NO. 19299.0006		
APPLICANTS Cellular South, Inc. dba C Spire Wireless, Ridgeland, MS; INVENTORS Naeem Lakhani, Croyden, UNITED KINGDOM; Bartlett Wade Smith, Madison, MS; ** CONTINUING DATA ***** This appln claims benefit of 61/866,175 08/15/2013 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 02/25/2014						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/PARAS D SHAH/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY UNITED KINGDOM	SHEETS DRAWINGS 5	TOTAL CLAIMS 15	INDEPENDENT CLAIMS 2
ADDRESS STEPTOE & JOHNSON LLP 1330 CONNECTICUT AVENUE, N.W. WASHINGTON, DC 20036 UNITED STATES						
TITLE Video to data						
FILING FEE RECEIVED 1740	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			

<p align="center"><i>Index of Claims</i></p> 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

✓	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	11/30/2015								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	8137	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (video av video) same (audio) near5 (extract\$3 retriev\$5 generat\$5 separat\$5 determin\$5 detect\$5) and ((speech voice audio spoken utterance) near5 (recognition recogniz\$5) speech\$1to\$1text voice\$1to\$1text)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14
L4	2340	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (video av video) same (audio) near5 (extract\$3 retriev\$5 generat\$5 separat\$5 determin\$5 detect\$5) and ((speech voice audio spoken utterance) near5 (recognition recogniz\$5) speech\$1to\$1text voice\$1to\$1text) and (topic\$3 categor\$5 subject\$2 domain\$1) near5 (detect\$3 determin\$5 identif\$5 extract\$5 classif\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14
L5	1758	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (video av video) same (audio) near3 (extract\$3 retriev\$5 generat\$5 separat\$5 determin\$5 detect\$5) and ((speech voice audio spoken utterance) near3 (recognition recogniz\$5) speech\$1to\$1text voice\$1to\$1text) and (topic\$3 categor\$5 subject\$2 domain\$1) near5 (detect\$3 determin\$5 identif\$5 extract\$5 classif\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14
L6	1517	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (video av video) same (audio) near3 (extract\$3 retriev\$5 generat\$5 separat\$5 determin\$5 detect\$5) and ((speech voice audio spoken utterance) near3 (recognition recogniz\$5) speech\$1to\$1text voice\$1to\$1text) and (topic\$3 categor\$5 subject\$2 domain\$1) near5 (detect\$3 determin\$5 identif\$5 extract\$5 classif\$5) and (video image\$1 picture\$1) near5 (recogniz\$3 recognition process\$4 ocr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14
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		near5 (detect\$3 determin\$5 identif\$5 extract\$5 classif\$5) and (video image\$1 picture\$1) near5 (recogniz\$3 recognition process\$4 ocr) and (ads ad advertisement\$3)				
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		and (ads ad advertisement\$3) near5 (insert\$3 determin\$3 plac\$3 generat\$4 identif\$5 add adding) same (video\$1 av)	DERWENT; IBM_TDB			
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L26	882	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (audio speech voice spoken) near5 (detect\$5 presenc\$5) same (segment\$5 pars\$3 divid\$3 break\$3 window\$3 split\$5) near5 (frequenc\$3 spectr\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14
L27	620	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (audio speech voice spoken) near5 (detect\$5 presenc\$5) same (segmenting segmented pars\$3 divid\$3 break\$3 window\$3 split\$5) near5 (frequenc\$3 spectr\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 08:14

EAST Search History (Interference)

<This search history is empty>

11/ 30/ 2015 8:32:43 AM
C:\ Users\ pshah\ Documents\ EAST\ Workspaces\ 14175741.wsp

Search Notes 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

CPC- SEARCHED		
Symbol	Date	Examiner
G10L15/18,26,265	11/30/2015	PS
G10L25/48,51,54,57	11/30/2015	PS
G06F17/30,30058,3074,30781	11/30/2015	PS
G06T7/0081	11/30/2015	PS
G06K9/00456	11/30/2015	PS
G06K2209/01	11/30/2015	PS

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
704	231,270,270.1,275	11/30/2015	PS
382	100,173,176,177	11/30/2015	PS
345	418	11/30/2015	PS
348	61	11/30/2015	PS

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Naeem Lakhani et al.

Examiner: Paras D. Shah

Serial No. 14/175,741

Group Art Unit: 2791

Filed: February 7, 2014

Docket No.: 19299.0006

For: VIDEO TO DATA

Mail Stop Amendment

United States Patent and Trademark Office

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria VA 22314

REPLY TO ACTION DATED DECEMBER 24, 2015

In response to the Office Action mailed December 24, 2015 ("Office Action"),
Applicants submit the following remarks.

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method to generate video data from a video comprising:
generating audio files and image files from the video;
distributing the ~~audio files and the~~ image files across a plurality of processors and
processing the ~~audio files and the~~ image files in parallel;
processing the audio files;
converting audio files associated with the video to text;
converting the image files associated with the video to video data; and
cross-referencing the text and the video data with the video.
2. (Original) The method according to claim 1, further comprising:
generating a content-rich video based on the video, the text, and the video data.
3. (Original) The method according to claim 1, further comprising:
applying natural language processing to the text to determine context associated with the
video.
4. (Original) The method according to claim 2, further comprising:
applying natural language processing to the text to extract a topic.
5. (Original) The method according to claim 1, further comprising:
processing the image files to extract additional text.
6. (Original) The method according to claim 5, wherein the additional text is generated by
segmenting the image files before processing the image files in parallel.

7. (Original) The method according to claim 1, further comprising:
processing the image files to extract an object and determine a motion associated with the object.

8. (Original) The method according to claim 1, wherein the text is generated by segmenting the audio before processing the audio files in parallel.

9. (Original) The method according to claim 7, wherein the audio files and the image files are segmented at spectrum thresholds.

10. (Original) The method according to claim 1, further comprising:
generating an advertisement based on the text and the video data.

11. (Original) The method according to claim 10, further comprising:
placing the advertisement in the video at a preferred time.

12. (Currently Amended) A system for extracting data from a video, comprising:
a computer processor having a plurality of processors for parallel processing; and
a non-transitory computer readable medium containing instructions directing the system to execute the steps of:

converting audio associated with the video to text;

converting images associated with the video to video data;

generating the video data by segmenting image files of the video before processing the image files in parallel;

extracting topics from the text and the video data;

cross-referencing the text, the video data, and the topics with the video; and

generating a content-rich video.

13. (Original) The system according to claim 12, wherein converting the audio comprises natural language processing.

14. (Original) The system according to claim 12, the computer directs the audio to be converted by at least one node of a cluster and the computer directs the images to be converted by at least one other node of the cluster in parallel.

15. (Original) The server according to claim 12, wherein the audio and the images are segmented at spectrum thresholds.

16. (New) The method according to claim 6, wherein the additional text includes information regarding context associated with the video.

17. (New) The method according to claim 6, wherein the additional text relates to a symbol appearing in the video.

18. (New) The method according to claim 17, wherein the symbol is a brand logo, and wherein the additional text includes information regarding placement and time of appearance of the brand logo.

20. (New) The method according to claim 6, wherein the additional text relates to faces in with the video.

REMARKS

Claims 1-15 are pending. Claims 1 and 12 are amended. Claims 16-20 are newly added. Support for the amendments and newly added claims is found in the original disclosure. See, for example, pages 2, 3, 5-10; Figures 2, 3, and 5; and claims 4-9. No new matter has been added.

For the sake of brevity, the rejection of the independent claims is discussed in detail below on the understanding that the claims depending therefrom are also patentably distinct over the cited references due at least to their dependence from the independent base claim. Nevertheless, the dependent claims include additional features that, in combination with those of the independent claims, provide further, separate, and independent bases for patentability.

I. Rejection of Claims 1-5, 10, 12, and 13 under 35 USC § 102

Claims 1-5, 10, 12, and 13 stand rejected under 35 U.S.C. § 102(a)(1) as allegedly being anticipated by Li (US 2006/0212897). For example, Examiner points to Figure 2 (element 210) of Li and alleges that Li discloses distributing the audio files and the image files across a plurality of processors and processing the audio files and the image files in parallel. Office Action at 2-5. Applicants respectfully traverse this rejection.

Li is directed to data mining regarding audio and video files. Li is not directed to the invention of Applicant's claims. Li describes a stream splitting component (210) for splitting a stream into (1) an audio stream, (2) a video stream, (and/or) a caption stream. See Li at 0035. Li also includes a single mention, in paragraph 0023, that the invention can be "operational with numerous other general purpose or special purpose computing system environments or configurations." Such examples of other systems include, "personal computers, server computers, handheld or laptop devices, multiprocessor systems, microprocessor-based systems, set top boxes, programmable consumer electronics, network PCs, minicomputers, mainframe computers, distributed computing environments that include any of the above systems or devices, and the like." Li at 0023. Examiner alleges that Li's list is a disclosure of "multiprocessor systems and distributed implementation." Office Action at 3.

Multiprocessor systems can, but often do not, process data in parallel. Parallel/distributed processing has specific meanings within the computer arts. Simply including a reference that an invention can be practiced in a multiprocessor system is not a disclosure of parallel or distributed

processing. For example, PCs generally include multiple processors, but they are not typically processing files in a parallel or distributed fashion. Rather, PCs include video, audio, and input/output processors to relieve the CPU of easily offloaded computational requirements.

Moreover, Examiner appears to have misapprehended the specific language of the “distributing” step of claim 1. As previously presented, it is clear that the step does not simply split the streams as Li does. Rather, the files are distributed and processed in parallel, which is not disclosed or taught by Li. Nevertheless, and without conceding Examiner’s position, Applicants have amended claim 1 to further clarify the claimed invention. The clarification is consistent with the original disclosure. See, for example, Figure 3.

Li fails to disclose or suggest “distributing the image files across a plurality of processors and processing the image files in parallel” as set forth in claim 1.

Regarding claim 12, Li fails to disclose or suggest “a computer processor having a plurality of processors for parallel processing; and ... generating the video data by segmenting image files of the video before processing the image files in parallel.”

Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection.

III. Rejection of Claims under 35 USC § 103

Claims 7 and 11 stand rejected under 35 U.S.C. § 103 as being allegedly unpatentable over Li in view of Sirivara (US 2011/0292992). See Office Action at 6-7. Claim 6 and 8 stand rejected under § 103 as being allegedly unpatentable over Li in view of Zhang I (US 2003/0112265). See Office Action at 8-9. Claims 9 stands rejected under § 103 as being allegedly unpatentable over Li in view of Sirivara and further in view of Zhang (US 2003/0112261). See Office Action at 9. Claims 14 stands rejected under § 103 as being unpatentable over Li. See Office Action at 10. Claim 15 stands rejected under § 103 as being allegedly unpatentable over Li in view of Otani (US 2005/0108004) in view of Zhang II (US 2003/0112261). See Office Action at 11-12. Applicants respectfully disagree and traverse these rejections.

As discussed above, Li fails to disclose or suggest “distributing the image files across a plurality of processors and processing the image files in parallel” as set forth in claim 1. Li also

fails to disclose or suggest “a computer processor having a plurality of processors for parallel processing; and ... generating the video data by segmenting image files of the video before processing the image files in parallel” as set forth in claim 12. The secondary references cited by Examiner fail to cure this deficiency of Li as they do not disclose or suggest the claim elements as set forth in claims 1 and 12. Accordingly, Applicants respectfully request reconsideration and withdrawal of these rejections.

Conclusion

Applicant believes that the claims now pending are in condition for allowance.

Should any fees be required by the present Amendment, the Commissioner is hereby authorized to charge Deposit Account **19-4293**.

Respectfully submitted,

Date: February 16, 2016

/Harold H Fox Reg. # 41498/

Harold H. Fox

Reg. No. 41,498

Customer Number: 27890
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Electronic Acknowledgement Receipt

EFS ID:	24926145
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	16-FEB-2016
Filing Date:	07-FEB-2014
Time Stamp:	16:45:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		19299response.pdf	181488 d20757ae28d07b4a642b4bf262ddb10de60891f8	yes	7

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	7
Warnings:			
Information:			
Total Files Size (in bytes):		181488	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>			

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/175,741	Filing Date 02/07/2014	☐ To be Mailed
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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

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	02/16/2016	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
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	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	X \$420 =	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	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	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
/YOLANDA CHADWICK/

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.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 05/24/2016
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
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2659

NOTIFICATION DATE	DELIVERY MODE
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05/24/2016

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com

Office Action Summary	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	AIA (First Inventor to File) Status Yes

-- 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 MONTHS 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 02/16/2016.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 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) 1-18 and 20 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) 1-18 and 20 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).

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)).

** 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/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

DETAILED ACTION

1. This communication is in response to the Application filed on 02/07/2014. Claims 1-15 are pending and have been examined. The Applicants' amendment and remarks have been carefully considered but they are not persuasive. Hence, this action has been made FINAL.
2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Response to Amendment

3. Applicant's arguments filed 02/16/2016 have been fully considered but they are moot in view of new grounds for rejection. More specifically, the newly changed scope of distributing the image files and processing them in parallel. Previously the claim scope read on distributed audio and image files.

Claim Objections

4. Claim 20 is objected to because of the following informalities: This claim should be numbered as claim 19 since no claim 19 exists. Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of

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rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-5, and 10 are rejected under 35 U.S.C. 103 as being unpatentable over Li (US 2006/0212897) in view of Ma (US 2012/0042052).

As to claim 1, Li teaches a method to generate video data from a video comprising:

generating audio files and image files from the video (see [0035], where audio and video stream created from the original audio-video stream);

distributing the image files across a plurality of processors and processing the image files (see Figure 2, output of the stream splitting component 210 into audio and other streams and see [0045], such as OCR and speech recognition and see [0023], which discloses multiprocessor systems and distributed implementation);

processing the audio files (see Figure 2, output of the stream splitting component 210 into audio and other streams, where audio stream separated from other streams and see 42 other recognition components)

converting audio files associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio);

converting the image files associated with the video to video data (see [0045], where ocr performed on video information stream);

cross-referencing the text and the video data with the video (see [0058]-[0060], where keywords determined from both streams are used in order to retrieve a relevant ad).

However, Li does not specifically teach processing the image files in parallel.

Ma does teach distributing the image files across a plurality of processors and processing the image files in parallel (see [0030] and Figure 3, video files and image files are forwarded and distributed to plurality of image analysis servers 330).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Li with the distributed image processing as taught by Ma for the purpose of rapidly processing huge amount of data through increased network bandwidth and shorter processing time (see Ma [0005]).

As to claim 2, Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: generating a content-rich video based on the video, the text, and the video data (see Figure 2, 238 and [0038], where advertising content embeds ads into original audio/video based on keywords derived from video stream and audio stream).

As to claim 3, Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: applying natural language processing to the text to determine context associated with the video (see [0037], where NLP performed in the sense of topical change detection by analyzing keywords extracted).

As to claim 4, Li in view of Ma teaches all of the limitations as in claim 2, above.

Furthermore, Li teaches further comprising: applying natural language processing to the text to extract a topic (see [0019], where keywords extracted represent topics of the text derived from speech recognition and data mining technologies in the text).

As to claim 5, Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: processing the image files to extract additional text (see [0045], where ocr performed on video information stream).

As to claim 10, Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2, advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

9. Claim 6 and 8 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma, as applied in claim 1 and further in view of Zhang (US 2003/0112265).

As to claim 6, Li in view of Ma teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches wherein the additional text is generated (see [0045], where ocr performed on video information stream)...before processing the image files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Li in view of Ma does not specifically teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel.

Zhang does teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel (see [0007], [0123] where video data is segmented for browsing, editing and playback).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma with the image

segmentation as taught by Zhang for the purpose of segmenting and indexing video into semantically meaningful video scenes (see Zhang [0013], [0123]).

As to claim 8, Li in view of Ma teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches wherein the additional text is generated (see [0045], where ocr performed on video information stream) before processing the audio files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Li in view of Ma does not specifically teach wherein the text is generated by segmenting the audio before processing the audio files in parallel

Zhang does teach wherein the text is generated by segmenting the audio before processing the audio files in parallel (see [0111], where segments of audio are screened of no speech detected, thus segmenting between speech and non-speech, where Li discloses generic speech detection).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma with the audio segmentation as taught by Zhang for the purpose of allowing the procedure to occur more faster, thus saving processing time (see Zhang [0111]).

8. Claims 7 and 11 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma, as applied in claim 1, above and further in view of Srivara (US 2011/0292992).

As to claim 7, Li in view of Ma teaches all of the limitations as in claim 1, above.

However, Li in view of Ma does not specifically teach processing the image files to extract an object and determine a motion associated with the object.

Srivara does teach processing the image files to extract an object and determine a motion associated with the object (see [0029], where identification of stationary and moving object determined for ad placement).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma with the determining a motion associated with an object as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008]).

As to claim 11, Li in view of Ma teaches all of the limitations as in claim 10, above.

Furthermore, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2,

advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

However, Li in view of Ma does not specifically teach placing the advertisement in the video at a preferred time.

Srivara does teach further comprising: placing the advertisement in the video at a preferred time (see [0007], where supplemental information is placed at a specific place and time).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma with the ad being placed at a preferred time as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008])).

10. Claims 9 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view Ma in view of Srivara, as applied in claim 7, above and further in view of Zhang (US 2003/0112261).

As to claim 9, Li in view of Ma in view of Srivara teaches all of the limitations as in claim 7, above.

However, Li in view of Ma in view of Srivara does not specifically teach wherein the audio files and the image files are segmented at spectrum thresholds.

Otani does teach does wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Srivara with the audio segmentation as taught by Zhang for the purpose of substituting the generic speech detector of Li in view of Srivara with the specific detection algorithm of Zhang in order to have yielded predictable result of speech detection. *KSR International Co. v. Teleflex, Inc.*, 550 U.S. 398, 82 USPQ2d 1385 (2007).

However, Li in view of Ma in view of Srivara in view of Otani does not specifically teach image files are segmented at spectrum thresholds.

Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determined change in background audio in order to segment video).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the

generation of video data as taught by Li in view of Ma in view of Srivara in view of Otani with the image segmentation as taught by Zhang for the purpose of segmenting video in a semantically meaningful video scenes (see Zhang [0001]).

11. Claim 12-14 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma in view of Zhang (US 2003/0112265).

As to claim 12, Li teaches a system for extracting data from a video, comprising:

a computer processor (see [0023], multi-processor); and

a non-transitory computer readable medium containing instructions directing the system to execute the steps of (see [0023], program modules stored in CRM):

converting audio associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio);

converting images associated with the video to video data (see [0045], where ocr performed on video information stream);

extracting topics from the text and the video data (see [0019], where keywords represent topics and see [0036], where keywords extracted from various streams);

cross-referencing the text, the video data, and the topics with the video (see [0037], where keywords are compared to an ad keyword list); and

generating a content-rich video (see Figure 2, 238 and [0038], where advertising content embeds ads into original audio/video).

However, Li does not specifically teach plurality of processors for parallel processing and segmenting the image files before processing the image files in parallel.

Ma does teach a plurality of processors for parallel processing (see [0030] and Figure 3, video files and image files are forwarded and distributed to plurality of image analysis servers 330).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Li with the distributed image processing as taught by Ma for the purpose of rapidly processing huge amount of data through increased network bandwidth and shorter processing time (see Ma [0005]).

However, Li and Ma do not specifically teach the additional text is generated by segmenting the image files before processing the image files in parallel.

Zhang does teach generating video data by segmenting the image files before processing the image files in parallel (see [0007], [0123] where video data is segmented for browsing, editing and playback).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma with the image

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segmentation as taught by Zhang for the purpose of segmenting and indexing video into semantically meaningful video scenes (see Zhang [0013], [0123]), and further where Ma operates on image and video files by formatting, etc prior to sending over to image analysis server.

As to claim 13, Li in view of Ma in view of Zhang teaches all of the limitations as in claim 12, above.

Furthermore, Li teaches wherein converting the audio comprises natural language processing (see [0019], speech recognition and phonetic search).

As to claim 14, Li teaches the computer directs at least one node of a cluster and the computer by at least one other node of the cluster in parallel (see [0023], distributed computing and multiprocessor systems).

However, Li in view of Ma in view of Zhang does not specifically disclose the audio being converted by one node and images being converted by another node.

The Examiner contends that such distribution of processes would have been obvious in view of the teachings of Li. More specifically, Li discloses the conversion of audio in Figure 2, speech recognition component 214 and discloses image conversion in paragraph [0045]. Furthermore, Li discloses distributed processing in [0023]. Therefore, the ability to distribute the audio conversion process and image conversion process would have been obvious to

one of ordinary skilled in the art in order to lessen the burden of resources on a single computing system.

12. Claim 15 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma in view of Zhang (US 2003/0112261), as applied in claim 12 above, and further in view of Otani (US 2005/0108004).

As to claim 15, Li in view of Ma in view of Zhang teaches all of the limitations as in claim 12, above.

Furthermore, Zhang teaches Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determined change in background audio in order to segment video).

However, Li in view of Ma in view of Zhang does not specifically teach wherein the audio files are segmented at spectrum thresholds.

Otani does teach wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the

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generation of video data as taught by in view of Ma in view of Zhang with the audio segmentation as taught by Zhang for the purpose of substituting the generic speech detector of Li with the specific detection algorithm of Zhang in order to have yielded predictable result of speech detection. *KSR*

International Co. v. Teleflex, Inc., 550 U.S. 398, 82 USPQ2d 1385 (2007).

13. Claims 16 and 17 are rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma in view of Zhang, as applied in claim 6 and further in view of Feinstein (US 8,682,739).

As to claims 16 and 17, Li in view of Ma in view of Zhang teach all of the limitations as in claim 6, above.

Li in view of Ma in view of Zhang do not specifically disclose wherein the additional text includes information regarding context associated with the video or relates to a symbol appearing in the video.

Feinstein does teach wherein the additional text includes information regarding context associated with the video (see col. 5, lines 36-57, where image recognition and text recognition techniques applied to compare an object to logos, images in order to identify a product in a video). Feinstein, as to claim 17, teaches wherein the additional text relates to a symbol appearing in the video) see col. 5, lines 36-57, detecting objects by comparing logos of products)

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Zhang with the additional text including information about a video or a symbol as taught by Feinstein for the purpose of providing the user other relevant information related to the identified object in order for interaction to occur with the user (See Feinstein col. 1, lines 5-17) which would benefit the interactivity of Li that presents an ad to the user.

14. Claims 18 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma in view of Zhang in view of Feinstein, as applied in claim 17 and further in view of Cohen-Solal (US 2003/0091237).

As to claim 18, Li in view of Ma in view of Zhang in view of Feinstein teach all of the limitations as in claim 17, above.

Furthermore, Feinstein teaches wherein the symbol is a brand logo (see col. 5, lines 42-43, brand logo), and wherein the additional text includes information regarding placement (see col. 5, lines 57-60, where position of product is recorded during the time).

However, Li in view of Ma in view of Zhang in view of Feinstein does not specifically teach time of appearance of the brand logo.

Cohen-Solal does teach time of appearance of the brand logo (see [0015], the time a logo was detected during the event is compiled and used to make advertising decision).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Zhang in view of Feinstein with time the logo was detected as taught by Cohen-Solal for the purpose of allowing advertising decisions and marketing decisions to be made (see Cohen-Solal [0011]).

15. Claims 20 is rejected under 35 U.S.C. 103 as being unpatentable over Li in view of Ma in view of Zhang, as applied in claim 6 and further in view of Ferren (US 20130346144).

As to claim 20, Li in view of Ma in view of Zhang teach all of the limitations as in claim 6.

However, Li in view of Ma in view of Zhang do not specifically teach wherein the additional text relates to faces in with the video.

Ferrens does teach wherein the additional text relates to faces in with the video (see [0059], where people detected in video and see [0049], face recognition, where such detection is used to identify an object and return information).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Zhang with faces in video as taught by Ferren for the purpose of determining content of interest of a user to determine target ads or providing other useful information (see Ferrens [0002]).

Conclusion

17. 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 Paras D. Shah whose telephone number is (571)270-

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1650. The examiner can normally be reached on MON.-THURS. 7:30a.m.-4:00p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pierre-Louis Desir can be reached on (571)272-7799. 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.

/Paras D Shah/
Primary Examiner, Art Unit 2659

05/17/2016

Notice of References Cited	Application/Control No. 14/175,741		Applicant(s)/Patent Under Reexamination LAKHANI ET AL.	
	Examiner Paras D. Shah		Art Unit 2659	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8,682,739 B1	03-2014	Feinstein; Brian J.	G06Q30/06	705/26.1
*	B	US-2003/0091237 A1	05-2003	Cohen-Solal, Eric	G06K9/3266	382/204
*	C	US-2012/0042052 A1	02-2012	Ma; Yi	G06T1/00	709/219
*	D	US-2013/0346144 A1	12-2013	Ferren; Bran	G06K9/3266	705/7.29
	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	CPC 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. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

CPC- SEARCHED		
Symbol	Date	Examiner
G10L15/18,26,265	3/31/2016	PS
G10L25/48,51,54,57	3/31/2016	PS
G06F17/30,30058,3074,30781	3/31/2016	PS
G06T7/0081	3/31/2016	PS
G06K9/00456	3/31/2016	PS
G06K2209/01	3/31/2016	PS

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
704	231,270,270.1,275	11/30/2015	PS
382	100,173,176,177	11/30/2015	PS
345	418	11/30/2015	PS
348	61	11/30/2015	PS

SEARCH NOTES		
Search Notes	Date	Examiner
Updated East Search	3/31/2016	PS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S56	343	(video) same (image\$1) near3 (file\$1) near5 (ocr (optical facial) near3 (recognition recogniz\$3) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 06:49
S57	2476	(video) near7 (image\$1) near5 (ocr (optical facial) near3 (recognition recogniz\$3) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 11:02
S58	2446	S57 not S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 11:02
S59	1187	(video) near7 (image\$1) near5 (ocr same ((optical facial) near3 (recognition recogniz\$3 image near3 process\$3)) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:47
S62	343	(video) same (image\$1) near3 (file\$1) near5 (ocr (optical facial) near3 (recognition recogniz\$3) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:49
S63	2476	(video) near7 (image\$1) near5 (ocr (optical facial) near3 (recognition recogniz\$3) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:49
S64	2446	S63 not S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:49
S65	1289	S63 not S59	US-PGPUB;	OR	OFF	2016/03/30

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:49
S66	1240	(video) near7 (image\$1) near5 (ocr same ((optical facial) near3 (recognition recogniz\$3) image near3 process\$3) (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:50
S67	24018	(video) near7 (image\$1) near5 (ocr ((optical facial image) near3 (recognition recogniz\$3) image near3 process\$3) near7 (parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3 remot\$3 network\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 16:59
S68	1335	(video) near5 (ocr (optical facial image) near3 (recognition recogniz\$3) image near3 process\$3) near3 ((parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3 remot\$3 network\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 17:01
S69	1310	(video) near5 (image near3 (process\$3 recognition recogniz\$3)) near3 ((parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3 remot\$3 network\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 18:40
S70	898	S69 not (S66)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 18:49
S71	986	(video) same (image near3 (process\$3 recognition recogniz\$3)) near3 ((parallel plural\$5 multipl\$3) near3 (processor\$1) distribut\$5 near3 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 20:11
S72	614	S71 not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/30 20:30
S74	2803	(video) same (image graphic logo icon picture pic\$1) same (text\$1) near5 (context\$1 semantic\$1 topic\$1 categor\$3 subject\$1 symbol brand logo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/03/31 06:59

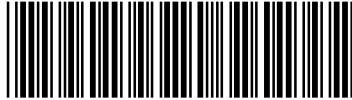
			IBM_TDB			
S75	3130	(video) same (image graphic logo icon picture pic\$1) same (text\$1) near5 (context\$1 semantic\$1 topic\$1 categor\$3 subject\$1 symbol brand logo face\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 06:59
S76	183	(video) same (image graphic logo icon picture pic\$1) same (text\$1) near5 (context\$1 semantic\$1 topic\$1 categor\$3 subject\$1 symbol brand logo face\$1) same (recognition recogniz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 07:00
S77	241	(video) same (image graphic logo icon picture pic\$1) same (text\$1) near5 (context\$1 semantic\$1 topic\$1 categor\$3 subject\$1 symbol brand logo face\$1) same (recognition recogniz\$3 ocr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 07:01
S79	873	(video) same (brand logo) same (location placement marker) same (time timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 11:07
S80	107	(video) same (brand logo) near5 (location placement marker) same (time timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 11:08
S81	27	(video) same (brand logo) near3 (recognition recogniz\$3 detect\$3 identif\$5) near7 (location placement marker frame\$1) same (time timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 11:29
S82	35	(video) same (brand logo) near3 (recognition recogniz\$3 detect\$3 identif\$5) near7 (time timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 11:37
S83	23	S82 not S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/03/31 11:37

EAST Search History (Interference)

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<i>Index of Claims</i> 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

✓	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	11/30/2015	03/31/2016						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16		✓						
	17		✓						
	18		✓						
	19								
	20		✓						

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0		
Practitioner Docket No.: 19299.0006	Application No.: 14/175,741	Filing Date: February 7, 2014
First Named Inventor: Lakhani	Title: Video to data	
<p>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.</p> <ol style="list-style-type: none"> 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ○ 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. <ul style="list-style-type: none"> ▪ 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 /Harold H Fox Reg # 41498/		Date July 13, 2016
Name (Print/Typed) Harold H Fox		Practitioner Registration No. 41498
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 _____ 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

In re application of: Naeem Lakhani et al.

Examiner: Paras D. Shah

Serial No. 14/175,741

Group Art Unit: 2791

Filed: February 7, 2014

Docket No.: 19299.0006

For: VIDEO TO DATA

Mail Stop Amendment

United States Patent and Trademark Office

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria VA 22314

REPLY TO ACTION DATED MAY 24, 2016

In response to the Office Action mailed May 24, 2016 ("Office Action"), Applicants submit the following remarks.

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method to generate video data from a video comprising:
generating audio files and image files from the video;
distributing the image files across a plurality of processors and processing the image files
in parallel, wherein processing the image files comprises extracting one or more objects and
identifying the one or more objects;
processing the audio files;
converting audio files associated with the video to text;
converting the image files associated with the video to video data; and
cross-referencing the text and the video data with the video.
2. (Original) The method according to claim 1, further comprising:
generating a content-rich video based on the video, the text, and the video data.
3. (Original) The method according to claim 1, further comprising:
applying natural language processing to the text to determine context associated with the
video.
4. (Original) The method according to claim 2, further comprising:
applying natural language processing to the text to extract a topic.
5. (Original) The method according to claim 1, further comprising:
processing the image files to extract additional text.

6. (Original) The method according to claim 5, wherein the additional text is generated by segmenting the image files before processing the image files in parallel.

7. (Currently Amended) The method according to claim 1, further comprising:
~~processing the image files to extract an object and determine~~ determining a motion associated with the one or more objects.

8. (Original) The method according to claim 1, wherein the text is generated by segmenting the audio before processing the audio files in parallel.

9. (Original) The method according to claim 7, wherein the audio files and the image files are segmented at spectrum thresholds.

10. (Original) The method according to claim 1, further comprising:
generating an advertisement based on the text and the video data.

11. (Original) The method according to claim 10, further comprising:
placing the advertisement in the video at a preferred time.

12. (Currently Amended) A system for extracting data from a video, comprising:
a computer processor having a plurality of processors for parallel processing; and
a non-transitory computer readable medium containing instructions directing the system to execute the steps of:

converting audio associated with the video to text;
converting images associated with the video to video data;
generating the video data by segmenting image files of the video before processing the image files in parallel;
identifying one or more objects in the image files;
extracting topics from the text and the video data;

cross-referencing the text, the video data, and the topics with the video; and
generating a content-rich video.

13. (Original) The system according to claim 12, wherein converting the audio comprises natural language processing.

14. (Original) The system according to claim 12, the computer directs the audio to be converted by at least one node of a cluster and the computer directs the images to be converted by at least one other node of the cluster in parallel.

15. (Original) The server according to claim 12, wherein the audio and the images are segmented at spectrum thresholds.

16. (Previously Presented) The method according to claim 6, wherein the additional text includes information regarding context associated with the video.

17. (Previously Presented) The method according to claim 6, wherein the additional text relates to a symbol appearing in the video.

18. (Previously Presented) The method according to claim 17, wherein the symbol is a brand logo, and wherein the additional text includes information regarding placement and time of appearance of the brand logo.

19 [[20]]. (Currently Amended) The method according to claim 6, wherein the additional text relates to faces in with the video.

20. (New) The method according to claim 1, wherein the video data comprises identification of the one or more objects.

REMARKS

Claims 1-20 are pending. Claims 1 and 12 are amended. Former numbered claim 20 has been amended to be numbered claim 19. Claim 20 is newly added. Support for the amendments and newly added claim is found in the original disclosure. See, for example, pages 2 (lines 1-3), 5 (lines 13-31), 6 (lines 1-8), 9 (lines 12-22), and 10 (lines 3-19); Figure 5; and original claims 3-7. No new matter has been added.

For the sake of brevity, the rejection of the independent claims is discussed in detail below on the understanding that the claims depending therefrom are also patentably distinct over the cited references due at least to their dependence from the independent base claim. Nevertheless, the dependent claims include additional features that, in combination with those of the independent claims, provide further, separate, and independent bases for patentability.

I. Rejection of Independent Claim 1 and Dependent Claims 2-5 and 10 under 35 U.S.C. § 103

Claims 1-5, 10, 12, and 13 stand rejected under 35 U.S.C. § 103 as allegedly being obvious over Li (US 2006/0212897) in view of Ma (US 2012/0042052). Applicants respectfully traverse this rejection.

The references, alone or in combination, fail to teach or disclose extracting one or more objects, identifying the one or more objects, and cross-referencing the text and the video data with the video, as set forth Claim 1. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection.

II. Rejection of Independent Claim 12 and Dependent Claims 13 and 14 under 35 U.S.C. § 103

Claim 12-14 are rejected under 35 U.S. C. 103 as being unpatentable over Li in view of Ma in view of Zhang (US 2003/0112265). Applicants respectfully traverse this rejections.

The references, alone or in combination, fail to teach or disclose identifying one or more objects in the image files and cross-referencing the text, the video data, and the topics with the video, as set forth Claim 1. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection.

III. Rejection of Dependent Claims 6-9, 11, 15-18, and 20 under 35 U.S.C. § 103

Claim 6-9, 11, 15-18, and 20 stand rejected under 35 U.S.C. 103 as being unpatentable

over Li in view of Ma in further view of several additional references. Those claims depend directly or indirectly from claims 1 or 12. For the reasons discussed above, Li, Ma, and Zhang fail to disclose or teach each limitation of claims 1 and 12. The several additional references do not cure the deficiencies of Li, Ma, and Zhang. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejections.

Conclusion

Applicant believes that the claims now pending are in condition for allowance.

Should any fees be required by the present Amendment, the Commissioner is hereby authorized to charge Deposit Account **19-4293**.

Respectfully submitted,

Date: July 13, 2016

/Harold H Fox Reg. # 41498/
Harold H. Fox
Reg. No. 41,498

Customer Number: 27890
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Electronic Acknowledgement Receipt

EFS ID:	26344445
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	13-JUL-2016
Filing Date:	07-FEB-2014
Time Stamp:	21:53:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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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	19299afp.pdf	1275783	no	2
			82db5d29e516d1edff301a051e7203765d4247ed		

Warnings:

Google Exhibit 1007 - Google v. CSI

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Information:					
2		19299response.pdf	176318	yes	6
			b0f08e98ddf1eadc9178c84641cdee12358cb889		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Response After Final Action		1	1	
	Claims		2	4	
	Applicant Arguments/Remarks Made in an Amendment		5	6	
Warnings:					
Information:					
Total Files Size (in bytes):			1452101		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

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 14/175,741	Filing Date 02/07/2014	☐ To be Mailed
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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), (l), 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

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	07/13/2016	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =	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

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	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
MARQUITA JONES

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 07/27/2016
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
----------	--------------

2659

NOTIFICATION DATE	DELIVERY MODE
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07/27/2016

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com

<i>Applicant-Initiated Interview Summary</i>	Application No.	Applicant(s)	
	14/175,741	LAKHANI ET AL.	
	Examiner	Art Unit	
	Paras D. Shah	2659	

All participants (applicant, applicant's representative, PTO personnel):

(1) Paras D. Shah. (3)_____.

(2) Scott Richey. (4)_____.

Date of Interview: 19 July 2016.

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: Srivara.

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...)

The interview generally discussed how the amendment filed in the AFCP 2.0 request does not overcome the art as cited in claim 1. More specifically, the distinguishing of an object based on discontinuity or edges is still an extraction and identifying as claimed and the claims do not specify how this occurs. The Examiner also noted there are other references that teaches the newly added limitations. The Examiner also agreed to see another version of a proposed amendment. In the new version of amendments that were provided focused on topical extraction from the audio text and image data. The Examiner noted that Li also discusses this in [0045] and Figure 2, element 242 and 214 which extracts keywords for audio and other recognition streams. No agreement was reached. Further, possible other amendments were disclosed which may overcome the Li reference. For example, how the topical information is generated based on the image information and the object and not just a keyword but describing a scene. Tentative agreement was reached with respect to this wording however pending final language .

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

/Paras D Shah/
Primary Examiner, Art Unit 2659

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.

Advisory Action Before the Filing of an Appeal Brief	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	AIA (First Inventor to File) Status Yes

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

THE REPLY FILED 13 July 2016 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance;

(2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.

b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires _____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
 See Continuation Sheet.

13. ☐ Note the attached Information *Disclosure Statement(s)*. (PTO/SB/08) Paper No(s). _____

14. ☒ Other: PTO:-2323 and PTO- 413.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1-20.

Claim(s) withdrawn from consideration: _____.

Continuation of 12. does NOT place the application in condition for allowance because: The amendments filed on 07/13/2016 raises new issues that would require further search and/or consideration.

The Applicant has amended the claims to recite the limitation of "processing the image files comprises extracting one or more objects and identifying the one or more objects." A portion of these limitations are from previously claim 7. Several references teaches the newly added limitation. Previously used Srivara in claim 7 teaches identifying a moving object in a video. Kim (US 2012/0254917) is cited to disclose in Figure 1, an audio and image processing framework. Paragraph [0046] teaches identifying of image objects from an image and combining. Aradhye (US 2005/0180632), [0092] teaches a text recognition device which recognizes target objects and identifying is also present in image files. Such a reference is combinable with Li and Ma which disclose images and Ma which discloses distributed image processing. Therefore, the Examiner notes that such amendment would not place the case in condition for allowance.

The newly added limitation to the claim further does not connect the identifying of objects to the rest of the claim limitation.

Further, possible other amendments were disclosed which may overcome the Li reference. For example, how the topical information is generated based on the image information and the object where the image information is that of a scene from a video. Tentative agreement was reached with respect to this wording however pending final language. However, based on the time limits within this AFCP 2.0 request further search is required on this proposed version.

<i>Applicant-Initiated Interview Summary</i>	Application No.	Applicant(s)	
	14/175,741	LAKHANI ET AL.	
	Examiner	Art Unit	
	Paras D. Shah	2659	

All participants (applicant, applicant's representative, PTO personnel):

(1) Paras D. Shah. (3)_____.

(2) Scott Richey. (4)_____.

Date of Interview: 19 July 2016.

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: Srivara.

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...)

The interview generally discussed how the amendment filed in the AFCP 2.0 request does not overcome the art as cited in claim 1. More specifically, the distinguishing of an object based on discontinuity or edges is still an extraction and identifying as claimed and the claims do not specify how this occurs. The Examiner also noted there are other references that teaches the newly added limitations. The Examiner also agreed to see another version of a proposed amendment. In the new version of amendments that were provided focused on topical extraction from the audio text and image data. The Examiner noted that Li also discusses this in [0045] and Figure 2, element 242 and 214 which extracts keywords for audio and other recognition streams. No agreement was reached. Further, possible other amendments were disclosed which may overcome the Li reference. For example, how the topical information is generated based on the image information and the object and not just a keyword but describing a scene. Tentative agreement was reached with respect to this wording however pending final language .

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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

/Paras D Shah/
Primary Examiner, Art Unit 2659

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)

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- Name of examiner
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- 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.

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- 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.

AFCP 2.0 Decision

Application No.

14/175,741

Applicant(s)

LAKHANI ET AL.

Examiner

Paras D. Shah

Art Unit

2659

This is in response to the After Final Consideration Pilot request filed 07/13/2016.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

- ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.
- ☐ A non-broadening amendment to at least one independent claim was not submitted.
- ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.
- ☐ Other:

2. **Proper Request**

- A. After final amendment submitted with the request will not be treated under AFCP 2.0.

The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

- ☐ The after final amendment will be treated under pre-pilot procedure.

- B. Updated search and/or completed additional consideration.

The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

- ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.
- ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.
- ☒ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.
- ☐ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.
- ☐ 5. Other:

Examiner Note: Please attach an interview summary when necessary as described above.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Naeem Lakhani et al.

Examiner: Paras D. Shah

Serial No. 14/175,741

Group Art Unit: 2791

Filed: February 7, 2014

Docket No.: 19299.0006

For: VIDEO TO DATA

Mail Stop Amendment

United States Patent and Trademark Office

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria VA 22314

REPLY TO ACTION DATED MAY 24, 2016

In response to the Office Action mailed May 24, 2016 (“Office Action”), Applicants submit the following remarks.

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

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

Application Number	14/175,741
Filing Date	February 7, 2014
First Named Inventor	Naeem Lakhani
Art Unit	2791
Examiner Name	Shah
Attorney Docket Number	19299.0006

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. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

- 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
 - ☐ Affidavit(s)/ Declaration(s)
 - ☐ Information Disclosure Statement (IDS)
 - ☐ 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(j) 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 the following fees, any underpayment of fees, or credit any overpayments, to
 - ☒ Deposit Account No. 19-4293
 - ☒ RCE fee required under 37 CFR 1.17(e)
 - ☐ Extension of time fee (37 CFR 1.136 and 1.17)
 - ☐ Other _____
 - ☐ Check in the amount of \$ _____ enclosed
 - ☐ Payment by credit card (Form PTO-2038 enclosed)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/Harold H Fox Reg # 41498/	Date	August 15, 2016
Name (Print/Type)	Harold H. Fox	Registration No.	41498

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

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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. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Instruction Sheet for RCEs

(not to be submitted to the USPTO)

NOTES:

An RCE is not a new application, and filing an RCE will not result in an application being accorded a new filing date.

Filing Qualifications:

The application must be a utility or plant application filed on or after June 8, 1995. The application cannot be a provisional application, a utility or plant application filed before June 8, 1995, a design application, or a patent under reexamination. See 37 CFR 1.114(e).

Filing Requirements:

Prosecution in the application must be closed. Prosecution is closed if the application is under appeal, or the last Office action is a final action, a notice of allowance, or an action that otherwise closes prosecution in the application (e.g., an Office action under *Ex parte Quayle*). See 37 CFR 1.114(b).

A submission and a fee are required at the time the RCE is filed. If reply to an Office action under 35 U.S.C. 132 is outstanding (e.g., the application is under final rejection), the submission must meet the reply requirements of 37 CFR 1.111. If there is no outstanding Office action, the submission can be an information disclosure statement, an amendment, new arguments, or new evidence. See 37 CFR 1.114(c). The submission may be a previously filed amendment (e.g., an amendment after final rejection).

WARNINGS:

Request for Suspension of Action:

All RCE filing requirements must be met before suspension of action is granted. A request for a suspension of action under 37 CFR 1.103(c) does not satisfy the submission requirement and does not permit the filing of the required submission to be suspended.

Improper RCE will NOT toll Any Time Period:

Before Appeal - If the RCE is improper (e.g., prosecution in the application is not closed or the submission or fee has not been filed) and the application is not under appeal, the time period set forth in the last Office action will continue to run and the application will be abandoned after the statutory time period has expired if a reply to the Office action is not timely filed. No additional time will be given to correct the improper RCE.

Under Appeal - If the RCE is improper (e.g., the submission or the fee has not been filed) and the application is under appeal, the improper RCE is effective to withdraw the appeal. Withdrawal of the appeal results in the allowance or abandonment of the application depending on the status of the claims. If there are no allowed claims, the application is abandoned. If there is at least one allowed claim, the application will be passed to issue on the allowed claim(s). See MPEP 1215.01.

See MPEP 706.07(h) for further information on the RCE practice.

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

In re application of: Naeem Lakhani et al.

Examiner: Paras D. Shah

Serial No. 14/175,741

Group Art Unit: 2791

Filed: February 7, 2014

Docket No.: 19299.0006

For: VIDEO TO DATA

Mail Stop Amendment

United States Patent and Trademark Office

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria VA 22314

REPLY TO OFFICE ACTION DATED MAY 17, 2016 AND
ADVISORY ACTION DATED JULY 27, 2016

In response to the Office Action mailed May 17, 2016 (“Office Action”) and Advisory Action mailed July 27, 2016, Applicants submit the following remarks.

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method to generate video data from a video comprising:
generating audio files and image files from the video;
distributing the image files across a plurality of processors and processing the image files
in parallel, wherein processing the image files comprises extracting one or more objects and
identifying the one or more objects;
processing the audio files;
converting audio files associated with the video to text;
converting the image files associated with the video to video data;
generating a topic that describes content of the video by deriving semantic information
from the identification of the one or more objects;
adding topical meta-data to the video; and
cross-referencing the text and the video data with the video.
2. (Original) The method according to claim 1, further comprising:
generating a content-rich video based on the video, the text, and the video data.
3. (Original) The method according to claim 1, further comprising:
applying natural language processing to the text to determine context associated with the
video.
4. (Currently Amended) The method according to claim 2, further comprising:
applying natural language processing to the text to extract [[a]] the topic.
5. (Original) The method according to claim 1, further comprising:

processing the image files to extract additional text.

6. (Original) The method according to claim 5, wherein the additional text is generated by segmenting the image files before processing the image files in parallel.

7. (Currently Amended) The method according to claim 1, further comprising: ~~processing the image files to extract an object and determine~~ determining a motion associated with the one or more objects.

8. (Currently Amended) The method according to claim 1, further comprising segmenting the audio files ~~wherein the text is generated by segmenting the audio~~ before processing the audio files in parallel.

9. (Original) The method according to claim 7, wherein the audio files and the image files are segmented at spectrum thresholds.

10. (Original) The method according to claim 1, further comprising: generating an advertisement based on the text and the video data.

11. (Original) The method according to claim 10, further comprising: placing the advertisement in the video at a preferred time.

12. (Currently Amended) A system for extracting data from a video, comprising: a computer processor having a plurality of processors for parallel processing; and a non-transitory computer readable medium containing instructions directing the system to execute the steps of:

converting audio associated with the video to text;

converting images associated with the video to video data;

generating the video data by segmenting image files of the video before processing the image files in parallel;

identifying one or more objects in the image files;

extracting ~~topics~~ from the text and the video data topics that describe content of the video by deriving semantic information from the identification of the one or more objects;

adding topical meta-data to the video;

cross-referencing the text, the video data, and the topics with the video; and

generating a content-rich video.

13. (Original) The system according to claim 12, wherein converting the audio comprises natural language processing.

14. (Original) The system according to claim 12, the computer directs the audio to be converted by at least one node of a cluster and the computer directs the images to be converted by at least one other node of the cluster in parallel.

15. (Original) The server according to claim 12, wherein the audio and the images are segmented at spectrum thresholds.

16. (Previously Presented) The method according to claim 6 wherein the additional text includes information regarding context associated with the video.

17. (Previously Presented) The method according to claim 6, wherein the additional text relates to a symbol appearing in the video.

18. (Previously Presented) The method according to claim 17, wherein the symbol is a brand logo, and wherein the additional text includes information regarding placement and time of appearance of the brand logo.

19. (New) The method according to claim 1, wherein the one or more objects are letters appearing in the video.

20. (Currently Amended) The method according to claim 6, wherein the additional text relates to faces appearing in ~~with~~ the video.

REMARKS

Claims 1-20 are pending. Claims 1, 4, 7, 8, 12, and 20 are amended. Claim 19 is newly added. Support for the amendments and the newly added claim is found in the original disclosure. See, for example, pages 2 (lines 1-3), 5 (lines 13-31), 6 (lines 1-8), 9 (lines 10-22), and 10 (lines 3-19); Figure 5; and original Claims 3-7. No new matter has been added.

Applicants thank the examiner for the interview conducted on July 19, 2016. Applicants herewith submit amended Claim 1 as discussed during the interview and tentatively agreed upon as overcoming the prior art. Independent Claim 12 has also been amended consistent with the language agreed upon. Certain dependent claims have been amended to address formalities and/or to address antecedent basis in light of the amendments to the independent claims.

For the sake of brevity, the rejection of the independent claims is discussed in detail below on the understanding that the claims depending therefrom are also patentably distinct over the cited references due at least to their dependence from the independent base claim. Nevertheless, the dependent claims include additional features that, in combination with those of the independent claims, provide further, separate, and independent bases for patentability.

I. Rejection of Independent Claim 1 and Dependent Claims 2-5 and 10 under 35 U.S.C. § 103

Claims 1-5, 10, 12, and 13 stand rejected under 35 U.S.C. § 103 as allegedly being obvious over Li (US 2006/0212897) in view of Ma (US 2012/0042052). Applicants respectfully traverse this rejection.

Applicants continue to believe that the references, alone or in combination, fail to teach or disclose extracting one or more objects, identifying the one or more objects, and cross-referencing the text and the video data with the video, as set forth Claim 1. Additionally, the reference, alone or in combination, fail to teach or disclose “extracting from the text and the video data topics that describe content of the video by deriving semantic information from the identification of the one or more objects,” as set forth in Claim 1. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection.

II. Rejection of Independent Claim 12 and Dependent Claims 13 and 14 under 35 U.S.C. § 103

Claim 12-14 are rejected under 35 U.S. C. 103 as being unpatentable over Li in view of

Ma in view of Zhang (US 2003/0112265). Applicants respectfully traverse this rejection.

Applicants continue to believe that the references, alone or in combination, fail to teach or disclose identifying one or more objects in the image files and cross-referencing the text, the video data, and the topics with the video, as set forth Claim 12. Additionally, the reference, alone or in combination, fail to teach or disclose “generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects,” as set forth in Claim 12. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection.

III. Rejection of Dependent Claims 6-9, 11, 15-18, and 20 under 35 U.S.C. § 103

Claim 6-9, 11, 15-18, and 20 stand rejected under 35 U.S. C. 103 as being unpatentable over Li in view of Ma in further view of several additional references. Those claims depend directly or indirectly from Claims 1 or 12. For the reasons discussed above, Li, Ma, and Zhang fail to disclose or teach each limitation of Claims 1 and 12. The several additional references do not cure the deficiencies of Li, Ma, and Zhang. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejections.

Conclusion

Applicant believes that the claims now pending are in condition for allowance.

Should any fees be required by the present Amendment, the Commissioner is hereby authorized to charge Deposit Account **19-4293**.

Respectfully submitted,

Date: August 15, 2016

/Harold H Fox Reg # 41498/

Harold H. Fox

Reg. No. 41498

Customer Number: 27890
Steptoe & Johnson LLP
1330 Connecticut Avenue, N.W.
Washington, DC 20036-1795
Telephone: (202) 429-3000
Facsimile: (202) 429-3902

Electronic Patent Application Fee Transmittal

Application Number:	14175741			
Filing Date:	07-Feb-2014			
Title of Invention:	Video to data			
First Named Inventor/Applicant Name:	Naeem Lakhani			
Filer:	Harold H. Fox			
Attorney Docket Number:	19299.0006			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
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:				
Request for Continued Examination	1801	1	1200	1200
Total in USD (\$)				1200

Electronic Acknowledgement Receipt

EFS ID:	26648491
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	15-AUG-2016
Filing Date:	07-FEB-2014
Time Stamp:	22:50:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1200
RAM confirmation Number	6427
Deposit Account	194293
Authorized User	FOX, HAROLD H.

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 CFR 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 CFR 1.17 (Patent application and reexamination processing fees)

Google Exhibit 1007 - Google v. CSI

Charge any Additional Fees required under 37 CFR 1.19 (Document supply fees)

Charge any Additional Fees required under 37 CFR 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 CFR 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)	19299rce.pdf	1841579	no	3
			235c21e3ec39eeb3db8db669b124a6916c292abe		

Warnings:

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Information:

2		19299response.pdf	180705	yes	7
			53f9eb7c3cdb0c9187379cbb63505df20c6fe656		

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment Submitted/Entered with Filing of CPA/RCE	1	1
Claims	2	5
Applicant Arguments/Remarks Made in an Amendment	6	7

Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	29779	no	2
			9f15bb00c075738d615683c934f9ae57e571da9a		

Warnings:

Information:

Total Files Size (in bytes):	2052063
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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.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/175,741	Filing Date 02/07/2014	☐ To be Mailed
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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

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	08/15/2016	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	X \$420 =	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

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	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
/KAREN VESTAL/

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.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 02/10/2017
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
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2659

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

02/10/2017

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com

Office Action Summary	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	AIA (First Inventor to File) Status Yes

-- 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 MONTHS 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 08/15/2016.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 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) 1-20 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) 1-20 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).

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)).

** 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/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

DETAILED ACTION

1. This communication is in response to the Amendment and Argument filed on 08/15/2016. Claims 1-20 are pending and have been examined. The Applicants' amendment and remarks have been carefully considered but they are not persuasive.
2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Continued Examination Under 37 CFR 1.114

3. 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 08/15/2015 has been entered.

Response to Amendment

4. Applicant's arguments filed 02/16/2016 have been fully considered but they are moot in view of new grounds for rejection. More specifically, the newly added limitation of "in parallel, wherein processing the image files comprises extracting one or more objects and identifying the one or more objects;...generating a topic that describes content of the video by deriving semantic information from the identification of the one

or more objects; adding topical meta-data to the video” raises new grounds for rejection. Hence, a new combination of references have been applied.

Double Patenting

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file

provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

4. Claims 1-15 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-1, 14-17, 18 of copending Application No. 14/910698 in view of Kim (US 2014/0314391).

The instant application is narrower in scope than the co-pending application which is broader. The co-pending application comprises all of the limitations in the instant application except for “generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects; adding topical meta-data to the video”. However, the Examiner notes that such limitation is taught by Kim. Kim teaches generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects (see

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[0146], where gender and age determined as additional information of the speaker based on face, body shape, color, and accessory and see [0072], where classification of the human is stored in an image file header and see [0146], where age and gender can be recognized based on the speaker detected); ; adding topical meta-data to the video (see [0072], where classification of the human stored in a header and see [0166], where image designation information and audio object characteristic information can be in a video file whose image is constructed as image and whose audio is constructed as tracks). Hence, it would have been obvious at the time the invention was made to have modified the generation of video data from a video of the co-pending application with the adding of meta data to a video as taught by Kim in order to correlating audio information with respect to image information (See [0008],[0010]).

Please see the mapping below with respect to each claim. The bolded limitation highlight similar claim limitations whereas the unbolded limitations highlight missing limitations.

The following is the relevant claim mapping between the instant application and the co-pending application. (P) represents the co-pending application and (I) represents the instant application. Claim 1 (I): Claim 7 (P) in view of Kim; Claim 2 (I): Claim 2+7 (P) in view of Kim; Claim 3 (I): Claim 3+7 (P) in view of Kim; Claim 4 (I): Claim 4+7 (P) in view of Kim; Claim 5 (I): Claim 5+7 (P) in view of Kim; Claim 6 (I): Claim 6+7 (P) in view of Kim; Claim 7 (I): Claim 7 (P) in view of Kim; Claim 8 (I): Claim 8+7 (P) in view of Kim; Claim 9 (I): Claim 9+7 (P) in view of Kim; Claim 10 (I): Claim 10+7 (P) in view of Kim; Claim 11 (I): Claim 11+7 (P) in view of Kim; Claim 12 (I): Claim 14+7 (P) in view of Kim;

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Claim 13 (I): Claim 15+7 (P) in view of Kim; Claim 14 (I): Claim 16+ 7 (P) in view of Kim;
Claim 15 (I).

With respect to claims 17-20, such claims are rejected in view of the co-pending application and Kim and further in view of the references as noted in the prior art rejection below for the motivation provided as such further define the objects as noted in Kim and the co-pending claim set.

Instant Application : 14/175741	Co-pending Application: 14/910698
<p>Claim 1: A method to generate video data from a video comprising:</p> <p>generating audio files and image files from the video;</p> <p>distributing the image files across a plurality of processors and processing the image files in parallel, wherein processing the image files comprises extracting one or more objects and identifying the one or more objects;</p> <p>processing the audio files;</p> <p>converting audio files associated with the video to text;</p> <p>converting the image files associated with the video to video data;</p> <p>generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects;</p> <p>adding topical meta-data to the video; and</p> <p>cross-referencing the text and the video data with the video.</p>	<p>Claim 1: A method to generate video data from a video comprising:</p> <p>generating audio files and image files from the video;</p> <p>distributing the audio files and the image files across a plurality of processors and processing the audio files and the image files in parallel;</p> <p>converting audio files associated with the video to text;</p> <p>converting the image files associated with the video to video data;</p> <p>Claim 7: The method according to claim 1, further comprising: processing the image files to extract an object and determine a motion associated with the object.</p>

This is a provisional nonstatutory double patenting rejection.

Claim Rejections - 35 USC § 103

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-5, 10, and 19 are rejected under 35 U.S.C. 103 as being unpatentable over Kim (US 2014/0314391) in view of Li (US 2006/0212897) in view of Ma (US 2012/0042052).

As to claim 1, Kim teaches a method to generate video data from a video comprising:

generating audio files and image files from the video (see [0060], where image and audio from a video is collected as shown in Figure 4);

distributing the image files across a plurality of processors and processing the image files (see Figure 1, image analysis 115 and audio analysis performed from audio and image related data), where processing the image comprises extracting one or more objects and identifying the one or more objects (see [0046], where image analysis takes place to identify image objects such as a human or a thing);

processing the audio files (see Figure 1, audio analysis 125)

converting audio files associated with the video to text (see [0153], can support voice recognition);

converting the image files associated with the video to video data (see Figure 2, image analysis and translation to image objects and [0046], where character recognition or face recognition is adopted and see [0074], where example disclosed);

generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects (see [0146], where gender and age determined as additional information of the speaker based on face, body shape, color, and accessory and see [0072], where classification of the human is stored in an image file header and see [0146], where age and gender can be recognized based on the speaker detected);

adding topical meta-data to the video (see [0072], where classification of the human stored in a header and see [0166], where image designation

information and audio object characteristic information can be in a video file whose image is constructed as image and whose audio is constructed as tracks); cross-referencing the text and the video data with the video (see Figure 1, mapping of image and audio objects and see [0086], where relationship formed between the image and audio in order to provide selectable items to elicit output).

However, Kim does not specifically disclose conversion of audio files to text.

Li does teach converting audio files associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Kim with conversion of audio to text as taught by Li for the purpose of minimizing laborious and time consuming process which require manual intervention (see Li [0004]) which would benefit Kim who discloses annotation of objects as well as a voice recognition.

However, Kim in view of Li does not specifically teach processing the image files in parallel.

Ma does teach distributing the image files across a plurality of processors and processing the image files in parallel (see [0030] and Figure 3, video files

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and image files are forwarded and distributed to plurality of image analysis servers 330).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Kim in view of Li with the distributed image processing as taught by Ma for the purpose of rapidly processing huge amount of data through increased network bandwidth and shorter processing time (see Ma [0005]).

As to claim 2, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Kim teaches generating a content-rich video based on the video, the text, and the video data (see Figure 1, mapping of image and audio objects and see [0086] and [0188], where relationship formed between the image and audio in order to provide selectable items to elicit output in a video).

Furthermore, Li teaches further comprising: generating a content-rich video based on the video, the text, and the video data (see Figure 2, 238 and [0038], where advertising content embeds ads into original audio/video based on keywords derived from video stream and audio stream).

As to claim 3, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: applying natural language processing to the text to determine context associated with the video (see [0037], where NLP performed in the sense of topical change detection by analyzing keywords extracted).

As to claim 4, Kim in view of Li in view of Ma teaches all of the limitations as in claim 2, above.

Furthermore, Li teaches further comprising: applying natural language processing to the text to extract the topic (see [0019], where keywords extracted represent topics of the text derived from speech recognition and data mining technologies in the text).

As to claim 5, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: processing the image files to extract additional text (see [0045], where ocr performed on video information stream).

As to claim 10, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2,

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advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

As to claim 19, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

Furthermore, Li teaches wherein the one or more objects are letters appearing in the video (see [0045], which utilizes OCR on the video stream).

9. Claim 6, 8, and 20 are rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma, as applied in claim 1 and further in view of Zhang (US 2003/0112265).

As to claim 6, Kim in view of Li in view of Ma teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches wherein the additional text is generated (see [0045], where ocr performed on video information stream) before processing the image files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Kim in view of Li in view of Ma does not specifically teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel.

Zhang does teach wherein the additional text is generated by segmenting the image files before processing the image files in parallel (see [0007], [0123] where video data is segmented for browsing, editing and playback).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma with the image segmentation as taught by Zhang for the purpose of segmenting and indexing video into semantically meaningful video scenes (see Zhang [0013], [0123]).

As to claim 8, Kim in view of Li in view of Ma teaches all of the limitations as in claim 5, above.

Furthermore, Li teaches segmenting the audio files (see Figure 2, stream splitting component 210) before processing the audio files in parallel (see Figure 2, output of the stream splitting component 210 into audio and other streams).

However, Kim in view of Li in view of Ma does not specifically teach wherein the text is generated by segmenting the audio before processing the audio files in parallel

Zhang does teach wherein the text is generated by segmenting the audio before processing the audio files in parallel (see [0111], where segments of audio are screened if no speech detected, thus segmenting between speech and non-speech, where Li discloses generic speech detection).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma with the audio segmentation as taught by Zhang for the purpose of allowing the procedure to occur more faster, thus saving processing time (see Zhang [0111]).

As to claim 20, Kim in view of Li in view of Ma in view of Zhang teaches all of the limitations as in claim 6, above.

Furthermore, Kim teaches where the additional text relates to faces appearing in the video (see [0072], where facial recognition to identify the human determined and placed in file).

8. Claims 7 and 11 are rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma, as applied in claim 1, above and further in view of Srivara (US 2011/0292992).

As to claim 7, Kim in view of Li in view of Ma teaches all of the limitations as in claim 1, above.

However, Kim in view of Li in view of Ma does not specifically teach determining a motion associated with the one or more objects.

Srivara does teach determining a motion associated with the one or more objects (see [0029], where identification of stationary and moving object determined for ad placement).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma with the determining a motion associated with an object as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008]).

As to claim 11, Kim Li in view of Ma teaches all of the limitations as in claim 10, above.

Furthermore, Li teaches further comprising: further comprising: generating an advertisement based on the text and the video data (see Figure 2, advertisement retrieved based on video data and text from keyword extraction 224 and embedded in original audio/video stream (see [0038])).

However, Kim in view of Li in view of Ma does not specifically teach placing the advertisement in the video at a preferred time.

Srivara does teach further comprising: placing the advertisement in the video at a preferred time (see [0007], where supplemental information is placed at a specific place and time).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma with the ad

being placed at a preferred time as taught by Srivara for the purpose of providing greater flexibility where supplemental information may be placed taking into consideration motion without human intelligence (see Srivara [0008]).

10. Claims 9 is rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma in view of Srivara, as applied in claim 7, above and further in view of OTani (US 2005/0108004) in view of Zhang (US 2003/0112261).

As to claim 9, Kim in view of Li in view of Ma in view of Srivara teaches all of the limitations as in claim 7, above.

However, Kim in view of Li in view of Ma in view of Srivara does not specifically teach wherein the audio files and the image files are segmented at spectrum thresholds.

Otani does teach wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Srivara with the audio segmentation as taught by Otani for the purpose of substituting the

generic speech detector of Li in view of Srivara with the specific detection algorithm of Otani in order to have yielded predictable result of speech detection.

KSR International Co. v. Teleflex, Inc., 550 U.S. 398, 82 USPQ2d 1385 (2007).

However, Li in view of Ma in view of Srivara in view of Otani does not specifically teach image files are segmented at spectrum thresholds.

Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determined change in background audio in order to segment video).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Li in view of Ma in view of Srivara in view of Otani with the image segmentation as taught by Zhang for the purpose of segmenting video in a semantically meaningful video scenes (see Zhang [0001]).

11. Claim 12-14 are rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma in view of Zhang (US 2003/0112265).

As to claim 12, Kim teaches a system for extracting data from a video, comprising:

a computer processor (see [0175], processing unit); and

a non-transitory computer readable medium containing instructions directing the system to execute the steps of ([0175], memory 1910):
converting audio associated with the video to text (see [0153], can support voice recognition);

converting images associated with the video to video data (see Figure 2, image analysis and translation to image objects and [0046], where character recognition or face recognition is adopted and see [0074], where example disclosed);

identifying one or more objects in the image files (see [0046], where image analysis takes place to identify image objects such as a human or a thing);

extracting topics from the text and the video data topics that describe content of the video by deriving semantic information from the identification of the one or more objects (see [0146], where gender and age determined as additional information of the speaker based on face, body shape, color, and accessory and see [0072], where classification of the human is stored in an image file header and see [0146], where age and gender can be recognized based on the speaker detected););

adding topical meta-data to the video (see [0072], where classification of the human stored in a header and see [0166], where image designation information and audio object characteristic information can be in a video file whose image is constructed as image and whose audio is constructed as tracks);

cross-referencing the text, the video data, and the topics with the video (see Figure 1, mapping of image and audio objects and see [0086], where relationship formed between the image and audio in order to provide selectable items to elicit output).

generating a content-rich video (see Figure 1, mapping of image and audio objects and see [0086] and [0188], where relationship formed between the image and audio in order to provide selectable items to elicit output in a video).

However, Kim does not specifically disclose conversion of audio files to text.

Li does teach converting audio associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Kim with conversion of audio to text as taught by Li for the purpose of minimizing laborious and time consuming process which require manual intervention (see Li [0004]) which would benefit Kim who discloses annotation of objects as well as a voice recognition.

However, Kim in view of Li does not specifically teach plurality of processors for parallel processing and segmenting the image files before processing the image files in parallel.

Ma does teach a plurality of processors for parallel processing (see [0030] and Figure 3, video files and image files are forwarded and distributed to plurality of image analysis servers 330).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the audio and image file processing from a video as taught by Li with the distributed image processing as taught by Ma for the purpose of rapidly processing huge amount of data through increased network bandwidth and shorter processing time (see Ma [0005]).

However, Kim in view of Li and Ma do not specifically teach the additional text is generated by segmenting the image files before processing the image files in parallel.

Zhang does teach generating video data by segmenting the image files before processing the image files in parallel (see [0007], [0123] where video data is segmented for browsing, editing and playback).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma with the image segmentation as taught by Zhang for the purpose of segmenting and indexing video into semantically meaningful video scenes (see Zhang [0013], [0123]), and further where Ma operates on image and video files by formatting, etc. prior to sending over to image analysis server.

As to claim 13, Kim in view of Li in view of Ma in view of Zhang teaches all of the limitations as in claim 12, above.

Furthermore, Li teaches wherein converting the audio comprises natural language processing (see [0019], speech recognition and phonetic search).

As to claim 14, Furthermore, Kim teaches parallel processing of image and audio (see Figure 1, image and audio analysis 115 and 125).

Furthermore, Li teaches the computer directs at least one node of a cluster and the computer by at least one other node of the cluster in parallel (see [0023], distributed computing and multiprocessor systems).

However, Kim in view of Li in view of Ma in view of Zhang does not specifically disclose the audio being converted by one node and images being converted by another node.

The Examiner contends that such distribution of processes would have been obvious in view of the teachings of Li. More specifically, Li discloses the conversion of audio in Figure 2, speech recognition component 214 and discloses image conversion in paragraph [0045]. Furthermore, Li discloses distributed processing in [0023]. Therefore, the ability to distribute the audio conversion process and image conversion process would have been obvious to one of ordinary skilled in the art in order to lessen the burden of resources on a single computing system.

12. Claim 15 is rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma in view of Zhang (US 2003/0112261), as applied in claim 12 above, and further in view of Otani (US 2005/0108004).

As to claim 15, Kim in view of Li in view of Ma in view of Zhang teaches all of the limitations as in claim 12, above.

Furthermore, Zhang teaches Zhang does teach image files are segmented at spectrum thresholds (see [0047], background audio changes used to segment audio data and see [0035], where an audio frequency change threshold used to determine change in background audio in order to segment video).

However, Kim in view of Li in view of Ma in view of Zhang does not specifically teach wherein the audio files are segmented at spectrum thresholds.

Otani does teach wherein the audio files are segmented at spectrum thresholds (see [0006], where conventionally spectral envelope variations are compared to a threshold to determine presence of speech, where Li already discloses a speech detector for extracting speech portions) (e.g. The Examiner interprets the segmentation to be equivalent to speech detection and separation of speech from non-speech).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma in view of Zhang with the audio segmentation as taught by Otani for the purpose of

substituting the generic speech detector of Li with the specific detection algorithm of Otani in order to have yielded predictable result of speech detection. *KSR International Co. v. Teleflex, Inc.*, 550 U.S. 398, 82 USPQ2d 1385 (2007).

13. Claims 16 and 17 are rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma in view of Zhang, as applied in claim 6 and further in view of Feinstein (US 8,682,739).

As to claims 16 and 17, Li in view of Ma in view of Zhang teach all of the limitations as in claim 6, above.

Kim in view of Li in view of Ma in view of Zhang do not specifically disclose wherein the additional text includes information regarding context associated with the video or relates to a symbol appearing in the video.

Feinstein does teach wherein the additional text includes information regarding context associated with the video (see col. 5, lines 36-57, where image recognition and text recognition techniques applied to compare an object to logos, images in order to identify a product in a video). Feinstein, as to claim 17, teaches wherein the additional text relates to a symbol appearing in the video) see col. 5, lines 36-57, detecting objects by comparing logos of products)

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the generation of video data as taught by Kim in view of Li in view of Ma in view of

Zhang with the additional text including information about a video or a symbol as taught by Feinstein for the purpose of providing the user other relevant information related to the identified object in order for interaction to occur with the user (See Feinstein col. 1, lines 5-17) which would benefit the interactivity of Kim that presents an ad to the user.

14. Claims 18 is rejected under 35 U.S.C. 103 as being unpatentable over Kim in view of Li in view of Ma in view of Zhang in view of Feinstein, as applied in claim 17 and further in view of Cohen-Solal (US 2003/0091237).

As to claim 18, Kim in view of Li in view of Ma in view of Zhang in view of Feinstein teach all of the limitations as in claim 17, above.

Furthermore, Feinstein teaches wherein the symbol is a brand logo (see col. 5, lines 42-43, brand logo), and wherein the additional text includes information regarding placement (see col. 5, lines 57-60, where position of product is recorded during the time).

However, Kim in view of Li in view of Ma in view of Zhang in view of Feinstein does not specifically teach time of appearance of the brand logo.

Cohen-Solal does teach time of appearance of the brand logo (see [0015], the time a logo was detected during the event is compiled and used to make advertising decision).

Therefore, it would have been obvious to one of ordinary skilled in the art before the effective filing date of the claimed inventions to have modified the

generation of video data as taught by Kim in view of Li in view of Ma in view of Zhang in view of Feinstein with time the logo was detected as taught by Cohen-Solal for the purpose of allowing advertising decisions and marketing decisions to be made (see Cohen-Solal [0011]).

Conclusion

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

Wilder (US 2015/0019206) is cited to disclose metadata extraction of non-transcribed video and audio streams.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paras D. Shah whose telephone number is (571)270-1650. The examiner can normally be reached on MON.-THURS. 7:30a.m.-4:00p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pierre-Louis Desir can be reached on (571)272-7799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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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.

/Paras D Shah/
Primary Examiner, Art Unit 2659

02/03/2017

Notice of References Cited	Application/Control No. 14/175,741		Applicant(s)/Patent Under Reexamination LAKHANI ET AL.	
	Examiner Paras D. Shah		Art Unit 2659	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2014/0314391 A1	10-2014	KIM; Hyun-Jung	G11B27/11	386/248
*	B	US-2015/0019206 A1	01-2015	WILDER; JONATHAN	G06K9/00302	704/9
	C	US-				
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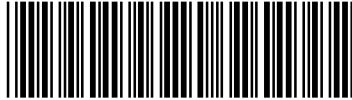
FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC 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.

<i>Index of Claims</i> 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

✓	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	11/30/2015	03/31/2016	02/03/2017						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	✓	✓						
	16		✓	✓						
	17		✓	✓						
	18		✓	✓						
	19			✓						
	20		✓	✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1592	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (video av image picture\$1) near3 (symbol\$1 object\$1 animal person item\$1) near3 (recogniz\$3 extract\$3 detect\$3 determin\$5 identif\$5) near7 (topic\$3 categor\$3 subject\$1 domain\$1) AND (VIDEO AV movie)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/02/03 18:40

EAST Search History (Interference)

<This search history is empty>

2/ 3/ 2017 6:41:06 PM
C:\ Users\ pshah\ Documents\ EAST\ Workspaces\ 14175741.wsp

Search Notes 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

CPC- SEARCHED		
Symbol	Date	Examiner
G10L15/18,26,265	2/3/2017	PS
G10L25/48,51,54,57	2/3/2017	PS
G06F17/30,30058,3074,30781	2/3/2017	PS
G06T7/0081	2/3/2017	PS
G06K9/00456	2/3/2017	PS
G06K2209/01	2/3/2017	PS

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
704	231,270,270.1,275	2/3/2017	PS
382	100,173,176,177	2/3/2017	PS
345	418	2/3/2017	PS
348	61	2/3/2017	PS

SEARCH NOTES		
Search Notes	Date	Examiner
Updated East Search	3/31/2016	PS
G10L15/18,26,265 (text search)	9/14/2016	PS
G10L25/48,51,54,57 (text search)	9/14/2016	PS
G06F17/30,30058,3074,30781 (text search)	9/14/2016	PS
G06T7/0081 (text search)	9/14/2016	PS
G06K9/00456 (text search)	9/14/2016	PS
G06K2209/01 (text search)	9/14/2016	PS
UPdated East Search	9/14/2016	PS

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INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 04/11/2017
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
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2659

NOTIFICATION DATE	DELIVERY MODE
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04/11/2017

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	

All participants (applicant, applicant's representative, PTO personnel):

(1) Paras D. Shah. (3)_____.

(2) Scott Richey. (4)_____.

Date of Interview: 04 April 2017.

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: Klm and Ma.

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...)

The interview generally discussed the art (in a prior conversation) and a proposed amendment as drafted by the Examiner. No agreement was reached..

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

/Paras D Shah/ Primary Examiner, Art Unit 2659	
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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.

1. (Currently Amended) A method to generate video data from a video comprising: generating audio files and image files from the video;

distributing the image files across a plurality of processors and processing the image files in parallel wherein processing the image files comprises extracting one or more objects and identifying the one or more objects:

processing the audio files;

converting audio files associated with the video to text;

converting the image files associated with the video to video data;

generating a topical meta data that describes content of the video by deriving semantic information from the identification of the one or more objects and semantic information from the audio files;

adding the topical meta-data to the video; and

cross-referencing the text and the video data with the video based on the generated topical meta data to determine common topics;

generating video text based on the cross-referencing, wherein the video text describes content of the video-;

generating an advertisement based on the video text; and

placing the advertisement in the video at a preferred time.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Naeem Lakhani et al.

Examiner: Paras D. Shah

Serial No. 14/175,741

Group Art Unit: 2659

Filed: February 7, 2014

Docket No.: 19299.0006

Confirmation No.: 2791

Title: VIDEO TO DATA

Mail Stop Amendment

United States Patent and Trademark Office

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria VA 22314

REPLY TO ACTION DATED FEBRUARY 10, 2017

In response to the Office Action mailed February 10, 2017 (“Office Action”), Applicant submits the following remarks.

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method to generate video data from a video comprising:
generating audio files and image files from the video;
distributing the image files across a plurality of processors and processing the image files in parallel, wherein processing the image files comprises extracting one or more objects and identifying the one or more objects;
processing the audio files;
converting audio files associated with the video to text;
converting the image files associated with the video to video data;
generating a topical meta-data that describes content of the video by deriving semantic information from the identification of the one or more objects and semantic information from the audio files;
adding the topical meta-data to the video; and
cross-referencing the text and the video data ~~with the~~ based on the generated topical meta-data to determine topics;
generating video text based on the cross-referencing, wherein the video text describes content of the video;
generating a text, image, or animation based on the video text; and
placing the text, image, or animation in the video.
2. (Original) The method according to claim 1, further comprising:
generating a content-rich video based on the video, the text, and the video data.
3. (Original) The method according to claim 1, further comprising:

applying natural language processing to the text to determine context associated with the video.

4. (Currently Amended) The method according to claim 2, further comprising:
applying natural language processing to the text to extract the topical meta-data.
5. (Original) The method according to claim 1, further comprising:
processing the image files to extract additional text.
6. (Original) The method according to claim 5, wherein the additional text is
generated by segmenting the image files before processing the image files in parallel.
7. (Previously Presented) The method according to claim 1, further comprising:
determining a motion associated with the one or more objects.
8. (Previously Presented) The method according to claim 1, further comprising
segmenting the audio files before processing the audio files in parallel.
9. (Original) The method according to claim 7, wherein the audio files and the image
files are segmented at spectrum thresholds.
10. (Original) The method according to claim 1, further comprising:
generating an advertisement based on the text and the video data.
11. (Original) The method according to claim 10, further comprising:
placing the advertisement in the video at a preferred time.
12. (Previously Presented) A system for extracting data from a video, comprising:
a computer processor having a plurality of processors for parallel processing; and

a non-transitory computer readable medium containing instructions directing the system to execute the steps of:

converting audio associated with the video to text;
converting images associated with the video to video data;
generating the video data by segmenting image files of the video before processing the image files in parallel;
identifying one or more objects in the image files;
~~extracting~~ generating data topics, from the text and the video data, ~~topics that~~ describe content of the video by deriving semantic information from the identification of the one or more objects and semantic information from the audio;
adding ~~topical~~ the data topics ~~meta-data~~ to the video as meta-data;
cross-referencing the text, the video data, and the topics with the video based on the generated data topics;
generating a text, image, or animation based on the data topics; and
placing the text, image, or animation in the ~~generating a content-rich~~ video.

13. (Original) The system according to claim 12, wherein converting the audio comprises natural language processing.

14. (Original) The system according to claim 12, the computer directs the audio to be converted by at least one node of a cluster and the computer directs the images to be converted by at least one other node of the cluster in parallel.

15. (Original) The server according to claim 12, wherein the audio and the images are segmented at spectrum thresholds.

16. (Previously Presented) The method according to claim 6 wherein the additional text includes information regarding context associated with the video.

17. (Previously Presented) The method according to claim 6, wherein the additional text relates to a symbol appearing in the video.
18. (Previously Presented) The method according to claim 17, wherein the symbol is a brand logo, and wherein the additional text includes information regarding placement and time of appearance of the brand logo.
19. (Previously Presented) The method according to claim 1, wherein the one or more objects are letters appearing in the video.
20. (Previously Presented) The method according to claim 6, wherein the additional text relates to faces appearing in the video.

REMARKS

Claims 1-20 are currently pending. Claims 1, 4, and 12 are currently amended. Support for the amendment can be found in the specification as originally filed. See, e.g., page 6, lines 1-9; page 7, lines 22-27; page 8, lines 19-24; and page 9, lines 26-29. No new matter has been added.

Applicants thank the Examiner for conducting the productive interview on April 4, 2017, during which proposed amendments were discussed.

Applicants respectfully traverse Examiner's new rejections of claims 1-20 under 35 U.S.C. § 103, as well as the provisional rejection based on non-statutory double patenting. See Office Action at 4 and 8-26. None of the references cited in the rejection under 35 U.S.C. § 103 teach or suggest the features of independent claims 1 and 12, and claims that depend therefrom. Nevertheless, amendments to the claims are presented herein to further prosecution, and Applicants do so without waiving any right to pursue previously presented claims or other subject matter through continuations, continuations in part, divisional applications, or through other related applications.

CONCLUSION

Applicant believes that this correspondence is fully responsive to the Office Action and that the claims now pending are in condition for allowance. Should any fees be required by the present Amendment, the Commissioner is hereby authorized to charge Deposit Account **19-4293**.

Respectfully submitted,

Date: May 2, 2017

/Harold H. Fox Reg # 41498/
Harold H Fox
Reg. No. 41,498

Customer Number: 27890
Steptoe & Johnson LLP
1330 Connecticut Avenue, N.W.
Washington, DC 20036-1795
Telephone: (202) 429-3000
Facsimile: (202) 429-3902

Electronic Acknowledgement Receipt

EFS ID:	29095293
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	02-MAY-2017
Filing Date:	07-FEB-2014
Time Stamp:	16:43:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		19299response.pdf	171434	yes	6
			d818560aeb9c43e4626a9a9cb9d56cc88aed5310		

Multipart Description/PDF files in .zip description			
Document Description	Start	End	
Amendment/Req. Reconsideration-After Non-Final Reject	1	1	
Claims	2	5	
Applicant Arguments/Remarks Made in an Amendment	6	6	

Warnings:

Information:

Total Files Size (in bytes):	171434
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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.

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 14/175,741	Filing Date 02/07/2014	☐ To be Mailed
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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), (l), 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

(Column 1)

(Column 2)

(Column 3)

	05/02/2017	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		X \$80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		X \$420 =	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

(Column 1)

(Column 2)

(Column 3)

		CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	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
CAROL BARNES

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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NOTICE OF ALLOWANCE AND FEE(S) DUE

27890 7590 07/13/2017
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT

PAPER NUMBER

2659

DATE MAILED: 07/13/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/175,741

02/07/2014

Naeem Lakhani

19299.0006

2791

TITLE OF INVENTION: Video to data

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	10/13/2017

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)

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.

27890 7590 07/13/2017
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

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.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

TITLE OF INVENTION: Video to data

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	10/13/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHAH, PARAS D	2659	704-004000

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, 1 _____
- (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. 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 credits 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
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

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.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890	7590	07/13/2017
STEPTOE & JOHNSON LLP 1330 CONNECTICUT AVENUE, N.W. WASHINGTON, DC 20036		

EXAMINER	
SHAH, PARAS D	

ART UNIT	PAPER NUMBER
2659	

DATE MAILED: 07/13/2017

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

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.

<i>Notice Requiring Inventor's Oath or Declaration</i>	Application No. 14/175,741	Applicant(s) Naeem Lakhani	
	Examiner SHAH, PARAS D	Art Unit 2659	

This notice is an attachment to the Notice of Allowability (PTOL-37), or the Notice of Allowability For A Design Application (PTOL-37D).

An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor has not yet been submitted.

An oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each inventor (for any inventor for which a compliant oath, declaration, or substitute statement has not yet been submitted) **MUST** be filed no later than the date on which the issue fee is paid. See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application.

A properly executed inventor's oath to declaration has not been received for the following inventor(s):

If applicant previously filed one or more oaths, declarations, or substitute statements, applicant may have received an informational notice regarding deficiencies therein.

The following deficiencies are noted:

INFORMAL ACTION PROBLEMS

- A properly executed inventor's oath or declaration has not been received for the following inventor(s): **Naeem Lakhani** and **Bartlett Wade Smith**.

Applicant may submit the inventor's oath or declaration at any time before the Notice of Allowance and Fee(s) Due, PTOL-85, is mailed.

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B 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.

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.

Notice of Allowability	Application No. 14/175,741	Applicant(s) LAKHANI ET AL.	
	Examiner Paras D. Shah	Art Unit 2659	AIA (First Inventor to File) Status Yes

-- 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 05/02/2017.
☐ 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 1-20. 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) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. ☒ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/Paras D Shah/
Primary Examiner, Art Unit 2659

DETAILED ACTION

1. This communication is in response to the Amendments and Arguments filed on 05/02/2017. Claims 1-20 are pending and have been examined. Hence, this case is in condition for Allowance.
2. All objections/rejections not mentioned in this Office Action have been withdrawn by the Examiner.
3. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Reasons for Allowance

4. Claims 1-20 are allowed.
5. The closest reference Kim teaches a method to generate video data from a video comprising: generating audio files and image files from the video (see [0060], where image and audio from a video is collected as shown in Figure 4); distributing the image files across a plurality of processors and processing the image files (see Figure 1, image analysis 115 and audio analysis performed from audio and image related data), where processing the image comprises extracting one or more objects and identifying the one or more objects (see [0046], where image analysis takes place to identify image objects such as a human or a thing); processing the audio files (see Figure 1, audio analysis 125); converting audio files associated with the video to text (see [0153], can support voice recognition); converting the image files associated with the video to video data (see Figure 2, image analysis and translation to image objects and [0046], where

character recognition or face recognition is adopted and see [0074], where example disclosed); generating a topic that describes content of the video by deriving semantic information from the identification of the one or more objects (see [0146], where gender and age determined as additional information of the speaker based on face, body shape, color, and accessory and see [0072], where classification of the human is stored in an image file header and see [0146], where age and gender can be recognized based on the speaker detected); adding topical meta-data to the video (see [0072], where classification of the human stored in a header and see [0166], where image designation information and audio object characteristic information can be in a video file whose image is constructed as image and whose audio is constructed as tracks); cross-referencing the text and the video data with the video (see Figure 1, mapping of image and audio objects and see [0086], where relationship formed between the image and audio in order to provide selectable items to elicit output). However, Kim does not specifically disclose conversion of audio files to text and cross-referencing the text and the video data based on the generated topical meta-data to determine topics; generating video text based on the cross-referencing, wherein the video text describes content of the video; generating a text image, or animation based on the video text; and placing the text image, or animation in the video.

Li does teach converting audio files associated with the video to text (see [0035], [0036], and [0059], where speech recognition component 216 extracts keywords from the audio). However, Li does not disclose conversion of audio files to text and cross-referencing the text and the video data based on the generated topical meta-data to

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determine topics; generating video text based on the cross-referencing, wherein the video text describes content of the video; generating a text image, or animation based on the video text; and placing the text image, or animation in the video and processing the image files in parallel.

Ma does teach distributing the image files across a plurality of processors and processing the image files in parallel (see [0030] and Figure 3, video files and image files are forwarded and distributed to plurality of image analysis servers 330). However, Ma does not disclose conversion of audio files to text and cross-referencing the text and the video data based on the generated topical meta-data to determine topics; generating video text based on the cross-referencing, wherein the video text describes content of the video; generating a text image, or animation based on the video text; and placing the text image, or animation in the video

Hence, none of the cited references either alone or in combination thereof teaches the limitations or makes obvious the combination of limitations of “conversion of audio files to text and cross-referencing the text and the video data based on the generated topical meta-data to determine topics; generating video text based on the cross-referencing, wherein the video text describes content of the video; generating a text image, or animation based on the video text; and placing the text image, or animation in the video” as recited in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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

Momosaki (US 8,019,163) is cited to disclose audio and video processing. Bagga (US 2003/0218696) is cited to disclose combined media scene tracking for audio/video summarization.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paras D. Shah whose telephone number is (571)270-1650. The examiner can normally be reached on MON.-THURS. 7:30a.m.-4:00p.m. EST.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pierre-Louis Desir can be reached on (571)272-7799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2659

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.

/Paras D Shah/
Primary Examiner, Art Unit 2659

06/16/2017

Notice of References Cited	Application/Control No. 14/175,741		Applicant(s)/Patent Under Reexamination LAKHANI ET AL.	
	Examiner Paras D. Shah		Art Unit 2659	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8,019,163 B2	09-2011	Momosaki; Kohei	G06F17/30743	369/1
*	B	US-2003/0218696 A1	11-2003	Bagga, Amit	G06F17/30796	348/700
	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	CPC 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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S113	982	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 near3 (compar\$3 correlat\$3 match\$3 cross\$1referenc\$3) same (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/03 16:26
S114	1080	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3) near3 (compar\$3 correlat\$3 match\$3 cross\$1referenc\$3) same (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/03 16:27
S116	135	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3) near3 (compar\$3 correlat\$3 match\$3 cross\$1referenc\$3) same (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1) same (voice speech audio utterance sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/04 08:16
S117	145	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3) near3 (compar\$3 correlat\$3 match\$3 cross\$1referenc\$3 check\$3) same (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1) same (voice speech audio utterance sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/04 14:00
S119	1524	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3) near7 (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1) same (voice speech audio utterance sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/04 14:02
S123	139	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3 object\$1 item\$1) near5 (overlap\$3 correspond\$3 compar\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/05/04 19:05

		correlat\$3 match\$3 "Same" similar) near7 (transcrib\$3 text recogniz\$4 transcription) near7 (video av image picture\$1) near9 (voice speech audio utterance sound)	IBM_TDB			
S128	163	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3 object\$1 item\$1 metadata\$1) near5 (overlap\$3 correspond\$3 compar\$4 correlat\$3 match\$3 "Same" similar) near7 (transcrib\$3 text recogniz\$4 transcription) near7 (video av image picture\$1 media) near9 (voice speech audio utterance sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/07 09:10
S129	139	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and (topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3 object\$1 item\$1) near5 (overlap\$3 correspond\$3 compar\$4 correlat\$3 match\$3 "Same" similar) near7 (transcrib\$3 text recogniz\$4 transcription) near7 (video av image picture\$1) near9 (voice speech audio utterance sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/07 09:11

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S136	12	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and ((topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3 object\$1 item\$1) near5 (overlap\$3 correspond\$3 compar\$4 correlat\$3 match\$3 "Same" similar) near7 (transcrib\$3 text recogniz\$4 transcription) near7 (video av image picture\$1) near9 (voice speech audio utterance sound))).clm.	US-PGPUB; USPAT	OR	OFF	2017/05/07 10:54
S137	132	((("704" "382" "348" "345").clas. (G10L15/\$ G10L2015/\$ G10L25/\$ G10L25/\$).cpc. (G06K G06T H04N).cpcl.) and ((topic\$3 subject\$3 categor\$3 domain\$1 semantic\$3) near7 (transcrib\$3 text recogniz\$4 transcription) same (video av image picture\$1) same (voice speech audio utterance sound))).clm.	US-PGPUB; USPAT	OR	OFF	2017/05/07 10:54

6/ 16/ 2017 8:52:31 PM
C:\ Users\ pshah\ Documents\ EAST\ Workspaces\ 14175741.wsp

Issue Classification 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.	
	Examiner PARAS D SHAH	Art Unit 2659	

CPC						
Symbol					Type	Version
G11B		27		036	F	2013-01-01
G06F		17		30	A	2013-01-01
G10L		15		26	A	2013-01-01
G06K		2209		01	A	2013-01-01
G10L		25		57	I	2013-01-01
G06K		9		00456	A	2013-01-01
H04N		21		440236	I	2013-01-01
						
						
						
						
						
						
						
						

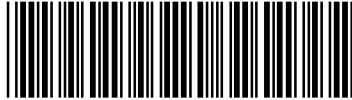
CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
					
					

NONE		Total Claims Allowed:	
(Assistant Examiner)		20	
(Date)			
/PARAS D SHAH/ Primary Examiner.Art Unit 2659	05/07/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

☐ 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												
2	2	14	18												
3	3	15	19												
4	4	16	20												
5	5														
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7	7														
8	8														
9	9														
10	10														
11	11														
17	12														
18	13														
19	14														
20	15														
12	16														

NONE	Total Claims Allowed: 20	
(Assistant Examiner)	(Date)	
/PARAS D SHAH/ Primary Examiner.Art Unit 2659	05/07/2017	O.G. Print Claim(s) 1
(Primary Examiner)	(Date)	O.G. Print Figure 1

<i>Index of Claims</i> 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

✓	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	11/30/2015	03/31/2016	02/03/2017	05/07/2017						
1	1	✓	✓	✓	=						
2	2	✓	✓	✓	=						
3	3	✓	✓	✓	=						
4	4	✓	✓	✓	=						
5	5	✓	✓	✓	=						
6	6	✓	✓	✓	=						
7	7	✓	✓	✓	=						
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14	18		✓	✓	=						
15	19			✓	=						
16	20		✓	✓	=						

Search Notes 	Application/Control No. 14175741	Applicant(s)/Patent Under Reexamination LAKHANI ET AL.
	Examiner PARAS D SHAH	Art Unit 2659

CPC- SEARCHED		
Symbol	Date	Examiner
G10L15/18,26,265	5/7/2017	PS
G10L25/48,51,54,57	5/7/2017	PS
G06F17/30,30058,3074,30781	5/7/2017	PS
G06T7/0081	5/7/2017	PS
G06K9/00456	5/7/2017	PS
G06K2209/01	5/7/2017	PS

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
704	231,270,270.1,275	5/7/2017	PS
382	100,173,176,177	5/7/2017	PS
345	418	5/7/2017	PS
348	61	5/7/2017	PS

SEARCH NOTES		
Search Notes	Date	Examiner
Updated East Search	3/31/2016	PS
G10L15/18,26,265 (text search)	9/14/2016	PS
G10L25/48,51,54,57 (text search)	9/14/2016	PS
G06F17/30,30058,3074,30781 (text search)	9/14/2016	PS
G06T7/0081 (text search)	9/14/2016	PS
G06K9/00456 (text search)	9/14/2016	PS
G06K2209/01 (text search)	9/14/2016	PS
UPdated East Search	9/14/2016	PS
Updated East Search	5/7/2017	PS

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INTERFERENCE SEARCH

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
G0L15	G10L15/18,26,265	5/7/2017	
G10L25	G10L25/48,51,54,57	5/7/2017	
G06F17	G06F17/30,30058,3074,30781	5/7/2017	
G06T7	G06T7/0081	5/7/2017	
G06K9	G06K9/00456	5/7/2017	
G06K2209	G06K2209/01	5/7/2017	

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4

Application Number

14/178,741

Filing Date

02/07/2014

First Named Inventor

Naeem Lakhani

Confirmation Number

2791

Attorney Docket Number

19299.0006

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)

☐

Application Data Sheet

☐

Power of Attorney

☒

Inventor's Oath or Declaration

Number of Sheets 3

☐

Surcharge for filing Inventor's Oath
or Declaration late:

☐

\$70.00 - small entity

☐

\$140.00 - large entity

☐

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

The Director is hereby authorized to charge any fees which are missing or
deficient, or credit any overpayments to Deposit Account 19-4293.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

STEPTOE AND JOHNSON LLP

Signature

/Harold H. FOX REG#41498/

Printed name

Harold H. Fox

Date

October 11, 2017

Reg. No.

41,498

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the date shown below:

Signature

Typed or printed name

Date

04/2013 kmp

Electronic Acknowledgement Receipt

EFS ID:	30625191
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox/Linda Fielding
Filer Authorized By:	Harold H. Fox
Attorney Docket Number:	19299.0006
Receipt Date:	11-OCT-2017
Filing Date:	07-FEB-2014
Time Stamp:	14:34:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	NaeemDec.pdf	987360	no	1
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Warnings:

Google Exhibit 1007 - Google v. CSI

IPR2025-00875 - Page 00218

Information:					
2	Oath or Declaration filed	Bartlett.pdf	1087390	no	2
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Warnings:					
The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing					
Information:					
3	Transmittal Letter	0006Deca.pdf	335143	no	1
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Warnings:					
Information:					
Total Files Size (in bytes):				2409893	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**Title of
Invention

VIDEO TO DATA

As the below named inventor, I hereby declare that:

This declaration
is directed to:☐

The attached application, or

☒United States application or PCT international application number 14/175,741

filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

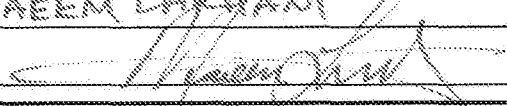
LEGAL NAME OF INVENTOR

Inventor:

NAEEM LAKHANI

Date (Optional): _____

Signature:



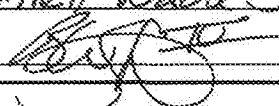
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	VIDEO TO DATA
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: ☐ The attached application, or</p> <p>☒ United States application or PCT international application number <u>14/175,741</u></p> <p>filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;">WARNING:</p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Burt H. Wade Smith III</u> Date (Optional): _____</p> <p>Signature: <u></u></p>	
<p><small>Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.</small></p>	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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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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.

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Application Number	14/175,741
Filing Date	February 7, 2014
First Named Inventor	Naeem Lakhani
Title	VIDEO TO DATA
Art Unit	2659
Examiner Name	Paras D. Shah
Attorney Docket Number	19299.0006

SIGNATURE of Applicant or Patent Practitioner

Signature	/Harold H. FOX REG#41498/	Date (Optional)	
Name	Harold H. Fox	Registration Number	41,498
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.			
☒ *Total of <u>1</u> forms are submitted.			

This collection of information is required by 37 CFR 1.131, 1.32, and 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.**

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

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date
14/175,741	February 7, 2014

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

- ☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 27890
- OR
- ☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

- ☒ The address associated with the above-mentioned Customer Number
- OR
- ☐ The address associated with Customer Number:
- OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

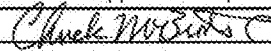
I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

CELLULAR SOUTH, INC. DBA C SPIRE WIRELESS

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	11 Oct 2017
Name	Chuck McBride		
Title	General Counsel		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 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.

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

Electronic Acknowledgement Receipt

EFS ID:	30647196
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox/Linda Fielding
Filer Authorized By:	Harold H. Fox
Attorney Docket Number:	19299.0006
Receipt Date:	13-OCT-2017
Filing Date:	07-FEB-2014
Time Stamp:	10:57:58
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	Application Data Sheet	741ADS.pdf	256446	no	7
			bc670925e3f842b0fa455c6cc50f46537dce ceeb		

Warnings:

Google Exhibit 1007 - Google v. CSI

IPR2025-00875 - Page 00225

Information:					
This is not an USPTO supplied ADS fillable form					
2	Assignee showing of ownership per 37 CFR 3.73	741Stmnt373.pdf	121039 771948551d9d36cbac5d64ce9cbb7114e016af79	no	3
Warnings:					
Information:					
3	Power of Attorney	741POA.pdf	1073801 fda0c9dfd7166913248afb6d135fab017ecb24ad	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1451286		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Naeem		Lakhani		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Croyden	Country of Residence i	UK		

Mailing Address of Inventor:

Address 1	45 Chepstow Rise, Park Hill				
Address 2					
City	Croyden	State/Province			
Postal Code	CRO 5LX	Country i	UK		

Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Bartlett	Wade	Smith		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Madison	State/Province	MS	Country of Residence i	US

Mailing Address of Inventor:

Address 1	109 Antlers Lane				
Address 2					
City	Madison	State/Province	MS		
Postal Code	39110	Country i	US		

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button.

Add

Correspondence Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

Customer Number	27890		
Email Address	ipdocketing@steptoe.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	VIDEO TO DATA		
Attorney Docket Number	19299.0006	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	Suggested Figure for Publication (if any)	1

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	27890		

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61866175	2013-08-15
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ^j (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

<p>This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.</p> <p>☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.</p>
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

☒ Assignee ☐ Legal Representative under 35 U.S.C. 117 ☐ Joint Inventor

☐ Person to whom the inventor is obligated to assign. ☐ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name Cellular South, Inc. dba C Spire Wireless

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Mailing Address Information:			
Address 1	1018 Highland Colony Parkway, Suite 700		
Address 2			
City	Ridgeland	State/Province	MS
Country i	US	Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Harold H. FOX Reg#41498/			Date (YYYY-MM-DD)	2017-10-13
First Name	Harold	Last Name	Fox	Registration Number	41498
Additional Signature may be generated within this form by selecting the Add button.					Add

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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 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.

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.

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: CELLULAR SOUTH, INC. D/B/A C SPIRE WIRELESSApplication No./Patent No.: 14/175,741 Filed/Issue Date: February 7, 2014Titled: Video to DataCELLULAR SOUTH, INC. D/B/A C SPIRE WIRELESS, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: LAKHANI, NAEEM To: BOGAROO INC.The document was recorded in the United States Patent and Trademark Office at
Reel 036672, Frame 0216, or for which a copy thereof is attached.2. From: BOGAROO INC. To: CELLULAR SOUTH, INC. D/B/A C SPIRE WIRELESSThe document was recorded in the United States Patent and Trademark Office at
Reel 036674, Frame 0122, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). 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. 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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STATEMENT UNDER 37 CFR 3.73(c)

3. From: SMITH, BARTLETT WADE, IV To: CELLULAR SOUTH, INC. D/B/A C SPIRE WIRELESS

The document was recorded in the United States Patent and Trademark Office at
Reel 036672, Frame 0189, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Harold H. FOX REG#41498/

Signature

Harold H. Fox

Printed or Typed Name

October 13, 2017

Date

41,498

Title or Registration Number

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.

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)

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.

27890 25001 07/13/2017
STEPTOE & JOHNSON LLP
 1330 CONNECTICUT AVENUE, N.W.
 WASHINGTON, DC 20036

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.
14/175,741	02/07/2014	Nacem Lakhani	19299.0006	2791

TITLE OF INVENTION: Video to data

APPL. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	10/13/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHAH, PARAS D	2659	704-004000

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. Steptoe & Johnson LLP

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Cellular South, Inc. dba C Spire Wireless

Ridgeland, MS

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 credits any overpayment, to Deposit Account Number 19-4293 (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
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

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.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____/Harold H. Fox REG#41498/

Date _____ October 13, 2017

Typed or printed name _____ Harold H. Fox

Registration No. _____ 41,498

Electronic Patent Application Fee Transmittal				
Application Number:		14175741		
Filing Date:		07-Feb-2014		
Title of Invention:		Video to data		
First Named Inventor/Applicant Name:		Naeem Lakhani		
Filer:		Harold H. Fox		
Attorney Docket Number:		19299.0006		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
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	1501	1	960	960

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt

EFS ID:	30647676
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	13-OCT-2017
Filing Date:	07-FEB-2014
Time Stamp:	11:23:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$960
RAM confirmation Number	101317INTEFSW00009277194293
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	0006Issue.pdf	283942	no	1
			c9742a0d6e3334aae1dd2a8afe4e7976d2c51751		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	29826	no	2
			ebf3cd8488037cc3cfd82fcafbea436245527aef		
Warnings:					
Information:					
Total Files Size (in bytes):			313768		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014	Naeem Lakhani	19299.0006

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 2791
POA ACCEPTANCE LETTER



Date Mailed: 10/17/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/13/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/mbেকে nedy/



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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 NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/175,741	02/07/2014	2659	1740	19299.0006	15	2

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 2791
CORRECTED FILING RECEIPT



Date Mailed: 10/17/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Naeem Lakhani, Croyden, UNITED KINGDOM;
Bartlett Wade Smith, Madison, MS;

Applicant(s)

Cellular South, Inc. dba C Spire Wireless, Ridgeland, MS;

Power of Attorney: The patent practitioners associated with Customer Number 27890

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/866,175 08/15/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 02/25/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/175,741**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

Video to data

Preliminary Class

704

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791
7590 10/18/2017 STEPTOE & JOHNSON LLP 1330 CONNECTICUT AVENUE, N.W. WASHINGTON, DC 20036			EXAMINER SHAH, PARAS D	
			ART UNIT	PAPER NUMBER
			2659	
			NOTIFICATION DATE	DELIVERY MODE
			10/18/2017	ELECTRONIC

Notice of Abandonment

This application is abandoned in view of:

1. ☐ The applicant's failure to timely file a proper reply to the Office letter mailed on _____.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of ____ month(s)) which expired on _____.
 - (b) ☐ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____.
The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☒ No corrected drawing have been received.
4. ☒ Applicant's failure to timely file the inventor's oath or declaration no later than the date on which the issue fee was paid as required by the Notice Requiring Inventor's Oath or Declaration (PTO-2306).
 - (a) ☐ An inventor's oath or declaration was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the date on which the issue fee was paid.
 - (b) ☒ While an oath or declaration (or substitute statement) for one or more inventors was received, an oath or declaration (or substitute statement) for at least one other inventor has not been received.
 - (c) ☐ No inventor's oath or declaration has been received.
5. ☐ Drawings received on _____ were disapproved by examiner. See examiner's response dated _____.
6. ☐ Corrected drawings were received on _____, which is after the expiration of the one-month period for reply set in examiner's response dated _____.
7. ☐ No corrected drawings have been received in reply to one-month period set in examiner's response dated _____.
8. ☒ The reason(s) below: *Need oath for Bartlett Wade Smith (no suffix).*

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

Pat L
(571)-272-4200 or 1(888)-786-0101

Patent Publication Branch
Office of Data Management

FORM PTO-ABN0 (Rev. 03/17)

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 02/26/2018

VVAN11	SALE	#00000021	Mailroom Dt:	10/18/2017	194293	14175741
		01	FC : 1830		140.00	DA

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 02/26/2018

VVAN11	ADJ #00000007	Mailroom Dt: 10/18/2017		
	Seq No: 5871	Sales Acctg Dt: 10/19/2017	194293	14175741
	01 FC : 1464	140.00 CR		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Naeem Lakhani, et al.
Serial No. : 14/175,741
Filed : February 7, 2014
Title : Video to Data

Art Unit : 2659
Examiner : Paras D. SHAH
Confirmation No.: 2791

MAIL STOP PETITION

United States Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

PETITION TO REVIVE APPLICATION UNDER 37 CFR §1.137(b)

Applicants hereby petition under 37 CFR §1.137(b) to revive the above application, which was abandoned on October 18, 2017, allegedly because of a missing inventor Oath. Attached is a copy of the Oath for inventor Bartlett Wade Smith IV and Annotated Application Data Sheet correcting the legal name of the inventor. The prior, timely-filed, Oath was not accepted for this inventor because it was executed in the name of Bartlett Wade Smith. The inventor oaths are complete and the issue fee has been paid. Prompt revival is respectfully requested.

Applicants submit that the entire period of delay was unintentional.

The Commissioner is authorized to charge the required fee to the Deposit Account 19-4293 for the petition fee by a large entity as set forth in 37 CFR §1.17(m), the terminal disclaimer fee as set forth in 37 CFR 1.20(d) and processing fee as set forth in 37 CFR 1.17(i). Should this fee be in error, the Commissioner is hereby authorized to debit or credit Deposit Account 19-4293, referencing Attorney Docket No. 19299.0006.

Respectfully submitted,

Date: October 18, 2017

/Harold H Fox Reg # 41498/

Harold H. Fox
Reg. No. 41,498

STEPTOE & JOHNSON LLP
1330 Connecticut Avenue, N.W.
Washington, DC 20036-1795
Telephone: (202) 429-3000
Facsimile: (202) 429-3902

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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Naeem		Lakhani			
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service						
City	Croyden	Country of Residence i	UK			
Mailing Address of Inventor:						
Address 1	45 Chepstow Rise, Park Hill					
Address 2						
City	Croyden	State/Province				
Postal Code	CRO 5LX	Country i	UK			
Inventor 2					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Bartlett	Wade	Smith	IV		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
City	Madison	State/Province	MS	Country of Residence i	US	
Mailing Address of Inventor:						
Address 1	109 Antlers Lane					
Address 2						
City	Madison	State/Province	MS			
Postal Code	39110	Country i	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add	

Correspondence Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

Customer Number	27890		
Email Address	ipdocketing@stepoe.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	VIDEO TO DATA		
Attorney Docket Number	19299.0006	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	Suggested Figure for Publication (if any)	1

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	27890		

Google Exhibit 1007 - Google v. CSI

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61866175	2013-08-15
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

<p>This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.</p> <p>☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.</p>
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

[Remove](#)

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

[Clear](#)

☒ Assignee

☐ Legal Representative under 35 U.S.C. 117

☐ Joint Inventor

☐ Person to whom the inventor is obligated to assign.

☐ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name

Cellular South, Inc. dba C Spire Wireless

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Mailing Address Information:			
Address 1	1018 Highland Colony Parkway, Suite 700		
Address 2			
City	Ridgeland	State/Province	MS
Country i	US	Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	19299.0006
		Application Number	
Title of Invention	VIDEO TO DATA		

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Harold H. FOX Reg#41498/			Date (YYYY-MM-DD)	2017-10-18
First Name	Harold	Last Name	Fox	Registration Number	41498
Additional Signature may be generated within this form by selecting the Add button.					Add

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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

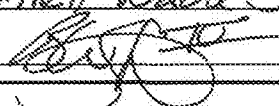
The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection 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 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.

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.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	VIDEO TO DATA
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: ☐ The attached application, or</p> <p>☒ United States application or PCT international application number <u>14/175,741</u></p> <p>filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;">WARNING:</p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Burt H. Wade Smith III</u> Date (Optional): _____</p> <p>Signature: <u></u></p>	
<p><small>Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.</small></p>	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.

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.

Electronic Patent Application Fee Transmittal

Application Number:	14175741			
Filing Date:	07-Feb-2014			
Title of Invention:	Video to data			
First Named Inventor/Applicant Name:	Naeem Lakhani			
Filer:	Harold H. Fox			
Attorney Docket Number:	19299.0006			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PETITION FEE- 37 CFR 1.17(H) (GROUP III)	1464	1	140	140
PET. REVIVE ABANDON APP, DELAY PYMT-RESP	1453	1	1700	1700
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	160	160
Total in USD (\$)				2000

Electronic Acknowledgement Receipt

EFS ID:	30696945
Application Number:	14175741
International Application Number:	
Confirmation Number:	2791
Title of Invention:	Video to data
First Named Inventor/Applicant Name:	Naeem Lakhani
Customer Number:	27890
Filer:	Harold H. Fox
Filer Authorized By:	
Attorney Docket Number:	19299.0006
Receipt Date:	18-OCT-2017
Filing Date:	07-FEB-2014
Time Stamp:	18:54:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$2000
RAM confirmation Number	101917INTEFSW00005871194293
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	0006Revival.pdf	140281	no	1
			b9ba757d706d0e584ba8344cb9243141bcd a2609		
Warnings:					
Information:					
2	Application Data Sheet	0006AnnotatedADS.pdf	863620	no	7
			a91c4d33f2490df239c56a0f3107db917b32 ebb3		
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
3	Oath or Declaration filed	0006Oath.pdf	249211	no	2
			1333521423fb38448c172eb0a28683c6aae 4cc56		
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	33794	no	2
			6fa87db9f9f725d1ba94719e2730a18a5043 2114		
Warnings:					
Information:					
Total Files Size (in bytes):			1286906		

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.

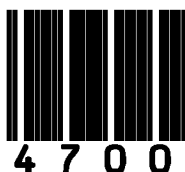
National Stage of an International Application under 35 U.S.C. 371

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.

Office of Petitions: Routing Sheet



Application No.

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

☒ **GRANTED**

☐ **DISMISSED**

☐ **DENIED**

Office of Petitions: Decision Count Sheet

Mailing Month

2

Application No.

14175741



For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official:

Kimberly Inabinet

Count (1) - Palm Credit

14175741

Decision:

GRANT

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

502 - 37 CFR 1.137(b) - REVIVAL BASED ON UNINTENTIO



Notes:

Count (2)

Decision:

n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

NONE

Notes:

Count (3)

Decision:

n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach
2nd count sheet & mark this box

Printed on: 2/12/2018

Office of Petitions Internal Document - Ver. 5.0



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.
14/175,741	02/07/2014	Naeem Lakhani	19299.0006	2791

27890 7590 02/15/2018
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

EXAMINER

SHAH, PARAS D

ART UNIT	PAPER NUMBER
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2659

NOTIFICATION DATE	DELIVERY MODE
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02/15/2018

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):

hfox@steptoe.com
ipdocketing@steptoe.com
lfielding@steptoe.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Application of :
Naeem Lakhani et al. :
Application No. 14/175,741 : DECISION ON PETITION
Filed: February 7, 2014 :
Attorney Docket No. 19299.0006 :

This is a decision on the petition under the unintentional provisions of 37 CFR 1.137(a), filed October 18, 2017, to revive the above-identified application.

The petition is **GRANTED**.

This application became abandoned for failure to timely submit a proper oath and declaration for the inventor(s) in this application, as required by the Notice Requiring Inventor's Oath or Declaration, mailed July 13, 2017. Accordingly, the date of abandonment of this application is October 13, 2017. A Notice of Abandonment was mailed on October 18, 2017.

The petition satisfies the requirements of 37 CFR 1.137(a) in that petitioner has supplied (1) the reply in the form of a substitute statements in lieu of oath and declarations for inventor Bartlett Wade Smith, IV, and a corrected ADS (Application Data Sheet) (2) the petition fee of \$1,700 (3) a proper statement of unintentional delay. Accordingly the oath and declaration is accepted as being unintentionally delayed.

Telephone inquiries concerning this decision should be directed to Kimberly Inabinet at (571) 272-4618.

This application is being referred to the Office of Patent Application Processing for the processing of the 37 CFR 1.48 request to correct the inventors name received October 18, 2017. Inquiries regarding the status of the application should be directed to 571-272-4000.

/Kimberly Inabinet/
Kimberly Inabinet
Paralegal Specialist
Office of Petitions



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/175,741	02/07/2014	Naeem Lakhani	19299.0006

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 2791
37 CFR 1.48(f)
ACKNOWLEDGEMENT LETTER



OC000000097661405

Date Mailed: 02/27/2018

NOTICE OF ACCEPTANCE OF REQUEST UNDER 37 CFR 1.48(f)

This is in response to the applicant's request under 37 CFR 1.48(f) submitted on 10/18/2017.

The request under 37 CFR 1.48(f) to correct the inventorship, to correct or update the name of an inventor, or to correct the order of names of joint inventors is accepted.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/ggasgedom/



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 NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/175,741	02/07/2014	2659	1740	19299.0006	15	2

CONFIRMATION NO. 2791

UPDATED FILING RECEIPT

27890
STEPTOE & JOHNSON LLP
1330 CONNECTICUT AVENUE, N.W.
WASHINGTON, DC 20036



Date Mailed: 02/27/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

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Applicant(s)

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Power of Attorney: The patent practitioners associated with Customer Number 27890

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/866,175 08/15/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

Video to data

Preliminary Class

704

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/175,741	04/10/2018	9940972	19299.0006	2791

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WASHINGTON, DC 20036

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 289 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):

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