

EXHIBIT C

EXHIBIT C
Plaintiff Pragmatius AV LLC's PLR 3-1 Disclosure of Asserted Claims and Infringement Contentions to YouTube¹ with Respect to
US Patent No. 7,730,132


US 7,730,132	YouTube Products
<p>1. A multimedia storage server comprising:</p> <p>a network interface to simultaneously provide a first client device and a second client device with audio-video network connections for editing, on the multimedia storage server, at least one of a plurality of components of a multimedia document that includes video and that is stored on the multimedia storage server,</p>	<p>The YouTube Server(s) on which one or more of the Components of the multimedia document (e.g. video, annotations, comments, tags, hyperlinks, graphics, still images, timestamps, etc.) are stored.</p> <p>The YouTube servers present a network interface that provides internet / IP connections to connect users' client devices with YouTube.</p> <p>YouTube multimedia documents are stored as components on YouTube servers. When a user accesses the YouTube multimedia document that contains video and comments, the URL is a YouTube URL, indicating storage within the YouTube servers or servers under the control of, or affiliated with, YouTube. A YouTube user sees representations of multimedia documents on their respective client devices, made up of components. One such representation is shown in the screenshot below. Here, a video component is linked to this multimedia document using HTML code.</p> <p>YouTube allows users to edit components of multimedia documents by, for example, annotating, commenting, adding links, etc. to the multimedia document. The screenshots below also show the video and various additions.</p>

¹ For purposes of Plaintiff's infringement contentions with respect to this and all other asserted claims, "YouTube Products" including these expressly identified Accused Instrumentalities (including their various versions and releases) as well as other YouTube products, systems, servers, services, technologies and methods (regardless of their labels, names or identifiers) made, used, sold, offered for sale, or otherwise distributed in the United States on or after June 1, 2010 that have at least the same or substantially the same functionalities or features of the expressly identified Accused Instrumentalities.

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<p align="center">US 7,730,132</p>	<p align="center">YouTube Products</p>
<div data-bbox="406 577 1104 1113" data-label="Image"> </div> <p data-bbox="1104 241 1218 1480"> The network interface allows for simultaneous access of multimedia documents. The following screenshot shows two users simultaneously viewing the same video. Note that the video progress bars show that each user is simultaneously viewing different parts of the same video. </p>	

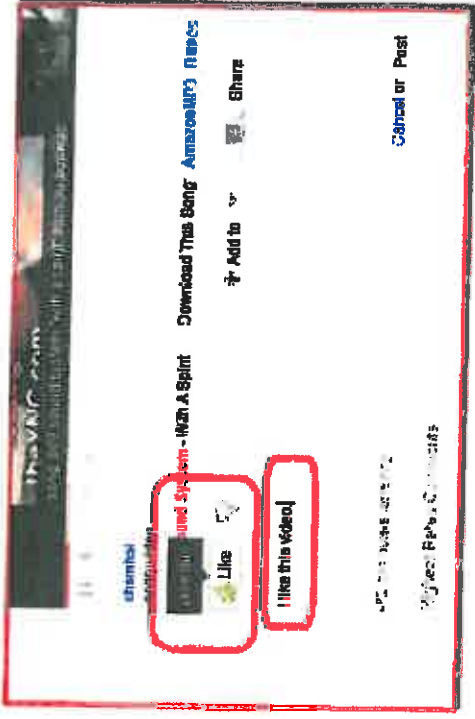
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<p>US 7,730,132</p>	<p>YouTube Products</p>
<p align="center">  </p> <p> Simultaneous access is further demonstrated by the fact that both users <i>kracke881</i> and <i>squizz00</i> added comments at the same time (i.e. "1 minute ago"). </p>	

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<p>wherein structural relationships among the plurality of components form a basis for at least spatial layout and order of presentation of the multimedia document, and</p>	<p>The spatial layout and structural relationship between the different components, such as video, user identifying icons, text, boxes, etc of the multimedia document are shown in the screen shot above.</p> <p>HTML defines the spatial layout of the multimedia document that users view on the webpages. The HTML code and referenced CSS files define the structure of the document including the position and layout of the text, graphics, colors, font, etc. as well as the order of presentation.</p> <p>The order of presentation of this document is demonstrated by what happens when the user accesses the document containing the video. Here the order of presentation is (a) display text (b) start downloading video and (c) play the video when the screen loads.</p> <div data-bbox="722 640 1307 1081" data-label="Image"> <p>The image is a screenshot of a YouTube video player. At the top left, the YouTube logo is visible. Below it, the video title 'scary video' is displayed. To the right of the title, the view count '11,487,280' is shown. The video player itself shows a scene with several people in a field. Below the video player, there are controls for play/pause, volume, and full screen. At the bottom right, there is a 'Subscribe' button and a channel name 'Pragmatius AV LLC'.</p> </div> <p>This screenshot shows the structural, spatial layout of the multimedia document, including its components of text, still graphics, annotations and video.</p>

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<p>wherein editing includes inserting respective first and second sets of annotations in the multimedia document and</p>	<p>You Tube allows third-party users to insert comments (annotations) in a multimedia document. These comments (annotations) become part of the document itself. The screenshot below shows comments (annotations) circled.</p> <p>The screenshots below also shows annotations including comments from users and the "Like" or don't like "thumbs up" or "thumbs down" icons shown below. These are seen below the video image in the screenshots above.</p>  <p>Users can also annotate their own videos, as described in YouTube's online support documentation at http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=92710</p> <p><u>ANNOTATIONS</u></p> <p>If you're new to annotations, start with the 'Making Videos Interactive' section to understand what annotations are, or run through 'Getting Started' to load the annotations editor. If you have already started the editor, read on.</p>

<p>US 7,730,132</p>	<p align="center">YouTube Products</p> <p>The editor screen is divided into two main parts: The video viewer (right side of the screen) and the annotations panel (left side).</p> <p>On the bottom part of the annotations panel you will find buttons for adding new annotations and on top part of the annotations panel you will find buttons for saving and publishing annotations (more on this later).</p> <p>Adding a new annotation</p> <ol style="list-style-type: none"> 1. Start playing your video, or seek to the moment you would like the annotation to appear. 2. You can add the following types of annotations by clicking on the appropriate '+' icon on the bottom part of the annotations panel. Try them all out to find the ones you want. <p>Speech bubbles  - for creating pop-up speech bubbles with text.</p> <p>Notes  - for creating pop-up boxes containing text.</p> <p>Spotlights  - for highlighting areas in a video - when the user moves the mouse over these areas the text you enter will appear.</p> <p>Video Pauses - for pausing the video for a length of time you specify</p> <p>You can also add links to speech bubbles, notes and highlights (linking is restricted to certain pages on youtube.com).</p> <ol style="list-style-type: none"> 3. You can also double click on the movie to create a default Spotlight annotation. 4. Notice that once added, the new annotation appears on the annotations list in the left-hand-side. <p>Editing an annotation</p> <p>To edit an annotation, first select it in the annotations list on the left hand side, or click on the annotation itself in the video viewer.</p> <p>Edit your annotation on the video itself</p> <p>Additional editing options in the annotations list</p> <p>Additional editing functionality can be found on the annotations list, which is part of the annotations panel (left side)</p> <p>You can change the start time and end time of your annotation. An annotation's default start time is when you click to add it ('+' icon). The default end time is 5 seconds later. To change this, just enter the start</p>
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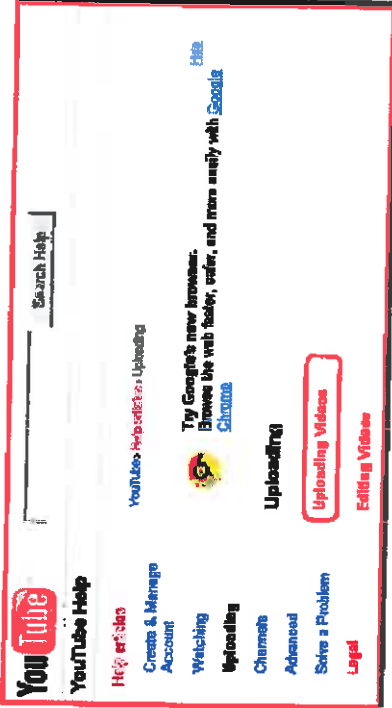
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<p align="center">US 7,730,132</p>	<p align="center">YouTube Products</p>
<p>to simultaneously provide a third client device with access to the video portion of the edited multimedia document and to at least the first and second sets of annotations; and</p>	<p>and finish times you want in [H:MM:SS.s] format. For instance, [0:01:05.2] means 1 minute, 5.2 seconds into the video. You can add a URL link to your annotation. Many types of links can be added including links to YouTube videos, Channel pages and much more. To find out about the types of links available go to 'Linking Annotations'. You can delete annotations from the list on the left. Click the [x] on the upper right corner of the annotation you want to delete. You can change the duration of a Movie Pause Annotation by changing the right time field of the pause annotation. You can switch between annotation types. Click on the arrow next to the annotation symbol (top left corner of the annotations cell in the annotations list) and select the annotation you would like to switch to."</p>
<p>Other YouTube users can view the edited multimedia document including the added annotations, and watch the associated video. The following screenshot shows two users simultaneously viewing the same video. Note that the video progress bars show that each user is simultaneously viewing different parts of the same video.</p>	<p>Other YouTube users can view the edited multimedia document including the added annotations, and watch the associated video. The following screenshot shows two users simultaneously viewing the same video. Note that the video progress bars show that each user is simultaneously viewing different parts of the same video.</p>


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<p align="center">US 7,730,132</p>	<p align="center">YouTube Products</p>
<p align="center">  </p> <p align="center"> Simultaneous access is further demonstrated by the fact that both users <i>krackie881</i> and <i>squizz00</i> added comments at the same time (i.e. "1 minute ago"). </p> <div data-bbox="950 504 1388 1207" style="border: 1px solid red; padding: 5px;"> <p>All Comments (1,124)</p> <p><i>dwif299</i> 18 seconds ago lol wdf?</p> <p><i>krackie881</i> 1 minute ago this scares me every time. he's a good illusionist looks really real.</p> <p><i>squizz00</i> 1 minute ago "Also in season 3 he was known for jumping out of a moving car. Angel was injured and stopped production for 3 weeks." He's the real thing! HA HA HA HA HA HA HA HA HA HA HA HA HA HA HA HA</p> </div>	


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<p>a storage interface to interface with storage facilities, the storage facilities to store video received from the first client device and the second client device respectively as first and second multimedia documents,</p>	<p>YouTube provides one or more interfaces to its servers. These servers store the video media uploaded by users as a component of a multimedia document. The process of interfacing with the storage facilities is illustrated below:</p>  <p>The YouTube help center explains how to interface with the storage facilities and upload video at: http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=57924</p> <p>When a user accesses the YouTube multimedia document that contains video and comments, the URL is a YouTube URL, indicating storage within YouTube servers or servers under the control of, or affiliated with, YouTube.</p> <p>The screenshot below shows a representation of a multimedia document. A "second" multimedia document would have the same format but different content.</p>

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<p>wherein the multimedia storage server is configured to: receive from at least two of the first, second, and third client devices, requests for access to the edited multimedia</p>	 <p>The screenshot shows a YouTube video player interface. The video title is "scary video" and it has 11,487,250 views. The video thumbnail shows a person in a red shirt and blue pants running away from the camera in a wooded area. The video is from the channel "scary video" and is part of a playlist of 12 videos. The video is currently playing at 0:00. The interface includes a search bar, a "Watch" button, and a "Share" button. The video is set to "Auto" play and "HD" quality. The video is from the channel "scary video" and is part of a playlist of 12 videos. The video is currently playing at 0:00. The interface includes a search bar, a "Watch" button, and a "Share" button. The video is set to "Auto" play and "HD" quality.</p>
<p>wherein the multimedia storage server allows multiple users to request and access, or view, the multimedia documents. Multimedia documents that have been edited for example, with annotations, comments, links, etc., may be accessed by the users. These requests come to the YouTube servers from the users' client devices over the internet using IP protocol.</p> <p>The screenshot below shows a YouTube multimedia document that includes edits: for example, annotations, comments, links, etc. added by other users. This user has accessed this edited multimedia</p>	<p>The YouTube multimedia storage server allows multiple users to request and access, or view, the multimedia documents. Multimedia documents that have been edited for example, with annotations, comments, links, etc., may be accessed by the users. These requests come to the YouTube servers from the users' client devices over the internet using IP protocol.</p> <p>The screenshot below shows a YouTube multimedia document that includes edits: for example, annotations, comments, links, etc. added by other users. This user has accessed this edited multimedia</p>

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<p>document, wherein the request is communicated using IP protocol,</p>	<p>document over the internet using IP protocol.</p>  <p>As can be seen from this screenshot, multiple users, (e.g. <i>brake881</i>, <i>squizz00</i>) have requested access, received access and added comments to this multimedia document.</p>
<p>provide simultaneous access to the edited multimedia document including at least the</p>	<p>Multiple YouTube users can view edited multimedia documents such as annotated videos. This can be done simultaneously.</p> <p>The screenshot below shows two users simultaneously accessing the same multimedia document</p>

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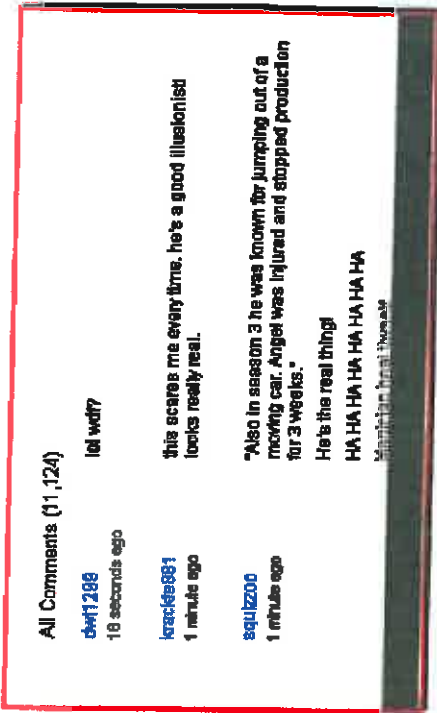

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<p>first and second sets of annotations to the client devices requesting access, and</p>	<p>including the video and annotations.</p>  <p>Simultaneous access is also shown by the fact that both users <i>krackie881</i> and <i>squizz00</i> added comments at the same time (i.e. "1 minute ago")</p>

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<p>provide simultaneous access to the edited multimedia document to the client devices requesting access by enabling transfer of at least the video portion of the edited multimedia document to the client devices requesting access, and</p>	<p>Simultaneous access is shown above. When multiple users request to view a video, (simultaneously or otherwise) it is transferred to the respective client devices to allow them to watch the video.</p> <p>The transfer is indicated on the video progress bar, enlarged below. The dark solid line is video that has already played, the slightly less dark line is video that has been transferred, but not yet played and the small gray "unshaded" area represents video that has yet to be transferred.</p>  <p>Additionally, the screen shot below shows the video transferring, or buffering by the spinning wheel highlighted by the arrow. This allows a YouTube user to view the video uncompressed, after it flows from the YouTube servers.</p>

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<p>wherein the client devices requesting access to the edited multimedia document include respective decompression modules to decompress the transferred edited multimedia document for playback.</p>	<p>When a YouTube video is stored on the YouTube server, it is compressed. See analysis at claim 2. It is transferred in a compressed format to the user. Thus, when it is played back, it must be decompressed, using Adobe Flash, for example.</p> <p>http://www.google.com/support/youtube/bin/answer.py?answer=56115</p> <p>“Videos on YouTube are streamed through Adobe Flash player.”</p> <p>Decompression at the client device can be seen from the Wikipedia description of Adobe Flash Video at http://en.wikipedia.org/wiki/Flash_Video. See specifically, the section under the heading “Delivery options.”</p> <p>Photos on YouTube are also decompressed files. The following was taken from http://www.google.com/support/youtube/bin/answer.py?answer=83336</p> <p>“You are able to choose a unique profile picture for your Channel on YouTube. To upload an image to your</p>




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<p>US 7,730,132</p>	<p align="center">YouTube Products</p> <p>Channel please follow the steps below: Sign into your YouTube account and click the Account link at the top right hand corner of the page Click the large blue My Account link in the top left hand corner of the screen. In the left hand navigation column, click Profile Setup. Click the Change Picture button and select the file that you'd like to display as your thumbnail profile icon on your channel (you can either select an image or a still frame from one of your videos). Don't forget to click the 'Save Changes' button to save the update you just made to your channel. Note: You can upload a JPG, GIF, BMP, or PNG file."</p> <p>These are compression formats for photos. The following is taken from: http://en.wikipedia.org/wiki/JPEG "In computing, JPEG... is a commonly used method of lossy compression for digital photography (image). The most common filename extensions for files employing JPEG compression are .jpg and .jpeg, though .jpe, .jfff and .jif are also used."</p>
<p>2. The multimedia storage server of claim 1, further comprising: compression engines to compress video received from the first client device and the second client device over the audio-video network connections and</p>	<p>YouTube uses compression engines to compress video uploaded from users over the internet / IP connections. A "codec" is a compression / decompression engine. The following is from: http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=55744 "There are a wide range of video codec formats, audio codec formats and container formats in use and YouTube supports a very wide variety of them. ... Here's the list of some well-known formats which YouTube supports: -WebM files (Vp8 video codec and Vorbis Audio codec) -MPEG4, 3GPP and MOV files - (typically supporting h264 and mpeg4 video codecs and AAC audio codec) -AVI (Many cameras output this format - typically the video codec is MJPEG and audio is PCM) -MPEGPS (Typically supporting MPEG2 video codec and MP2 audio)</p>

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<p>to store the compressed audio-video respectively as first and second multimedia documents.</p>	<p>-WMV -FLV (Adobe - FLV1 video codec, MP3 audio)"</p> <p>See also, http://en.wikipedia.org/wiki/MPEG-4. "MPEG-4 is a collection of methods defining <u>compression</u> of audio and visual (AV) digital data."</p>
<p>to store the compressed audio-video respectively as first and second multimedia documents.</p>	<p>YouTube servers store the video media uploaded by users as a component of a multimedia document. When stored, these videos are compressed (see above). These documents are stored by YouTube on YouTube servers, as demonstrated by the fact that, when a user accesses a YouTube multimedia document, the URL is a YouTube URL indicating storage within YouTube or servers under the control of or affiliated with, YouTube. Likewise, if the user plays video on the user's YouTube multimedia document, the URL is a YouTube URL.</p> <p>The screenshot below shows a representation of a multimedia document. A "second" multimedia document would have the same format but different content.</p>

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<p>3. The multimedia storage server of claim 1, further configured to perform at least one of creating, naming, time-stamping, retrieving, deleting, tagging, content-searching and</p>	 <p>The screenshot shows a YouTube video player interface. The video title is "scary video" and it has 11,487,250 views. The video player is currently showing a scene with a person in a red shirt and another person in a dark shirt. The interface includes standard YouTube controls like play/pause, volume, and full screen. The video is from the channel "scary video" and is 12 minutes and 26 seconds long. The video is set to "Public" and has 11,487,250 views. The video is currently playing at 0:00.</p>
<p>As shown in the description for Claims 1 and 10, and the screenshot below, YouTube is configured for at least creating (self evident), naming (video name is "Scary Video"), retrieving (self evident), deleting (see the circled functionality allowing 'deleting'), tagging (see description of tagging at Claim 12), and play'back (self evident) of at least a portion of the multimedia document, the video for example.</p>	<p>As shown in the description for Claims 1 and 10, and the screenshot below, YouTube is configured for at least creating (self evident), naming (video name is "Scary Video"), retrieving (self evident), deleting (see the circled functionality allowing 'deleting'), tagging (see description of tagging at Claim 12), and play'back (self evident) of at least a portion of the multimedia document, the video for example.</p>

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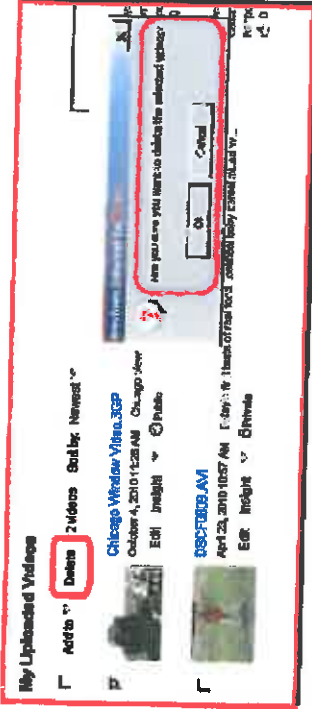
<p>US 7,730,132</p> <p>playing back at least a portion of the multimedia document.</p>	<p align="center">YouTube Products</p>  <p>The screenshot below shows the ability to delete video.</p> 
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<p>4. The multimedia storage server of claim 1, further comprising:</p> <p>a decompression module to decompress the multimedia document.</p>	<p>YouTube converts the video files it receives from users into another format. This requires decompressing (using decompression modules) at the YouTube servers and then recompressing also at the YouTube servers, a process known as conversion.</p> <p>See, for example: http://www.google.com/support/youtube/bin/answer.py?answer=55744 Here's a list of some well-known formats that YouTube supports: WebM files - Vp8 video codec and Vorbis Audio codecs .MPEG4, 3GPP and MOV files - Typically supporting h264, mpeg4 video codecs, and AAC audio codec .AVI - Many cameras output this format - typically the video codec is MJPEG and audio is PCM .MPEGPS - Typically supporting MPEG2 video codec and MP2 audio .WMV .FLV - Adobe-FLV1 video codec, MP3 audio</p> <p>YouTube converts the uploaded video to a different format for display. See discussion at http://en.wikipedia.org/wiki/YouTube under "Quality and codecs" section.</p> <p>Photos on YouTube are also decompressed files. The following was taken from http://www.google.com/support/youtube/bin/answer.py?answer=83336 "You are able to choose a unique profile picture for your Channel on YouTube. To upload an image to your Channel please follow the steps below: Sign into your YouTube account and click the Account link at the top right hand corner of the page</p>

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<p align="center">US 7,730,132</p>	<p align="center">YouTube Products</p> <p>Click the large blue My Account link in the top left hand corner of the screen. In the left hand navigation column, click Profile Setup. Click the Change Picture button and select the file that you'd like to display as your thumbnail profile icon on your channel (you can either select an image or a still frame from one of your videos). Don't forget to click the 'Save Changes' button to save the update you just made to your channel. Note: You can upload a JPG, GIF, BMP, or PNG file. These are compression formats for photos. The following is taken from: http://en.wikipedia.org/wiki/JPEG "In computing, JPEG . . . is a commonly used method of lossy compression for digital photography (image). The most common filename extensions for files employing JPEG compression are .jpg and .jpeg, though .jpe, .jiff and .jif are also used."</p>
<p>5. The multimedia storage server of claim 1, wherein enabling simultaneous file transfer of the multimedia document to two of the client devices requesting access of the multimedia document is over a local area network and a wide area network respectively.</p>	<p>The YouTube servers enable multiple users to view the same video simultaneously. This entails simultaneous transfer of the multimedia document to multiple users who request it. The screenshot below shows two users simultaneously accessing the same multimedia document. The video progress bars are playing the video in different places indicating that the users are independently and simultaneously viewing the same video. Transfer of the document is made to the requesting client devices. This is done over a local area when access is from an office, business, home or other local network and / or the internet, which is a wide area network.</p>


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	<div data-bbox="422 588 868 1123" data-label="Image"> </div> <p data-bbox="868 294 941 1480">Simultaneous access is further demonstrated by the fact that both users <i>krackie881</i> and <i>squizz00</i> added comments at the same time (i.e. "1 minute ago").</p> <div data-bbox="958 514 1388 1218" data-label="Complex-Block"> <p>All Comments (1 of 1)</p> <ul style="list-style-type: none"> dm11298 18 seconds ago lol weird krackie881 1 minute ago this scares me every time, he's a good illusionist looks really real. squizz00 1 minute ago "Also in season 3 he was known for jumping out of a moving car. Angel was injured and stopped production for 3 weeks." He's the real thing! HA HA HA HA HA HA HA HA HA HA *Mortals howl the wolf </div>


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<p>US 7,730,132</p>	<p>Standard industry practice for a major data center would require backup replication.</p>	<p>6. The multimedia storage server of claim 1, is further configured to: perform backup of the multimedia document.</p>
<p>7. The multimedia storage server of claim 1, wherein the multimedia document is stored on the storage facilities that comprise a plurality of disks, and</p>	<p>Standard industry practice for a major data center would require multiple disks for backup replication.</p>	<p>wherein the multimedia storage server is further configured to: perform replication of the multimedia document on at least two of the plurality of disks.</p>
<p>8. The multimedia storage server of claim 1,</p>	<p>Standard industry practice for a major data center would require multiple disks for backup replication.</p>	<p>The YouTube multimedia document is stored on YouTube storage facilities that are internal to the storage device. When a user accesses a YouTube multimedia document, the URL is a YouTube URL indicating storage</p>

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<p>US 7,730,132</p> <p>wherein the multimedia document is stored on the storage facilities that are internal to the audio-video storage device.</p>	<p align="center">YouTube Products</p> <p>within YouTube or servers under the control of, or affiliated with, YouTube.</p>
<p>9. The multimedia storage server of claim 1, further configured</p> <p>to support go-to operations including at least one of a group consisting of a frame-number based operation and a time-code based operation.</p>	<p>YouTube users can "go to" any portion of a video in playback mode.</p>  <p>As can be seen from the above video stored at the YouTube server, the server supports go-to operations including time code based operation. The above video is 5:14 long. A viewer of the video can "go-to" any selected part of the video by moving the video progress bar below the video to a selected time of the video. In the above example, the viewer used the go-to bar at the bottom of the video to move the video to the 1:22 portion of the video.</p>
<p>US 7,730,132 (Method)</p> <p>10. A method of providing access to multimedia documents, comprising:</p>	<p align="center">YouTube Products</p> <p>The method of providing access occurs on the YouTube Server(s) on which one or more of the components of the multimedia document (e.g. video, annotations, comments, tags, hyperlinks, graphics, still images, timestamps etc.) are stored.</p> <p>YouTube multimedia documents are stored as components on YouTube servers. A YouTube user sees representations of multimedia documents on their respective client devices, made up of components. One such representation is shown in the screenshot below. Here, a video component is linked to this multimedia document using HTML code. It also includes components such as various forms of text, a</p>


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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>at a multimedia storage server</p>	<p>“box” for entering comments, as well as other images.</p> 
<p>storing video as a multimedia document;</p>	<p>The YouTube server(s)</p> <p>YouTube servers store the video media uploaded by users as a component of a multimedia document. The multimedia document is created / edited, for example, when a user stores a video. It, along with its associated still images, comments, timestamps, etc. creates / edits a multimedia document.</p> <p>When a user accesses the YouTube multimedia document that contains video and comments, the URL is a YouTube URL, indicating storage within the YouTube servers or servers under the control of, or affiliated with, YouTube.</p>

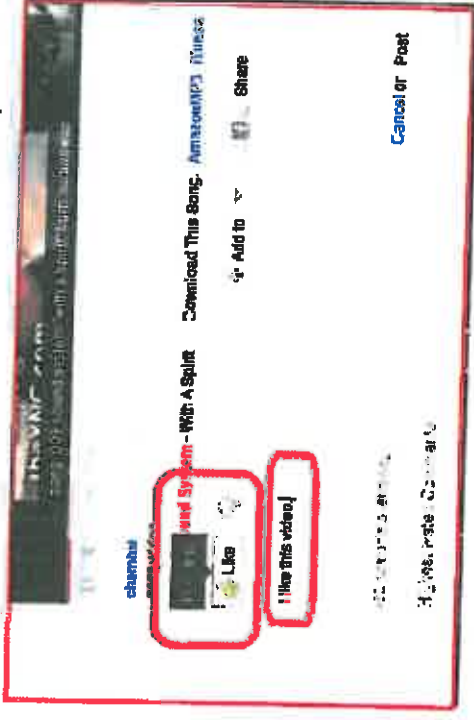
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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>defining structural relationships among individual components of the multimedia document;</p>	<div data-bbox="462 630 1039 1081" data-label="Image"> <p>The image is a screenshot of a YouTube video player. The video title is 'story video' and the channel name is 'story video'. The video has 11,467,250 views. The video content shows a person in a red shirt and black pants walking on a path. The YouTube interface includes the logo, video title, view count, and a play button.</p> </div> <p>The spatial layout and structural relationship between the different components, such as video, user identifying icons, text, boxes, still graphics, annotations, etc of the multimedia document are shown in the screen shot below.</p> <p>HTML defines the spatial layout of the multimedia document that users view on the webpages. The HTML code and referenced CSS files define the structure of the document including the position and layout of the text, graphics, colors, font, etc. as well as the order of presentation.</p>

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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>receiving a first request for audio-video network connections from a first client device for editing at the multimedia storage server at least one of the components of</p>	 <p>The screenshot shows a YouTube video player interface. The video title is 'scary video' and it has 11,487,230 views and 4,207 likes. The video is uploaded by 'scary video' on July 19, 2012. The video content shows a person in a red shirt and black pants performing a stunt or fall in a park-like setting.</p>
<p></p>	<p>The YouTube servers allow users through their respective client devices to request an IP / internet connection to various multimedia documents.</p> <p>YouTube multimedia documents are stored as components on YouTube servers. When a user accesses the YouTube multimedia document that contains video and comments, the URL is a YouTube URL, indicating storage within the YouTube servers or servers under the control of, or affiliated with, YouTube. A YouTube user sees representations of multimedia documents on their respective client devices, made up of components. One such representation is shown in the screenshot below. Here, a</p>

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<p>US 7,730,132 (Method)</p> <p>the multimedia document, wherein the structural relationships among the components form a basis for at least spatial layout and order of presentation of the multimedia document, and wherein editing includes inserting a first set of annotations in the multimedia document;</p>	<p>YouTube Products</p> <p>video component is linked to this multimedia document using HTML code. HTML defines the spatial layout of the multimedia document that users view on the webpages. The HTML code and referenced CSS files define the structure of the document including the position and layout of the text, graphics, colors, font, etc. as well as the order of presentation. The order of presentation of a document is demonstrated by what happens when the user accesses the document containing the video. Here the order of presentation is (a) display text (b) start downloading video and (c) play the video when the screen loads. Once connected, a user can edit at least one of the components of the multimedia document. Edits can include, for example, annotating, commenting, adding links, etc. YouTube allows third-party users to insert comments (annotations) in a multimedia document. These comments (annotations) become part of the document itself. The screenshot below shows comments (annotations) circled.</p>  <p>A user can also annotate his/her own video as described from the following, taken from: http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=92710</p>
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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>“ANNOTATIONS If you're new to annotations, start with the 'Making Videos Interactive' section to understand what annotations are, or run through 'Getting Started' to load the annotations editor. If you have already started the editor, read on. The editor screen is divided into two main parts: The video viewer (right side of the screen) and the annotations panel (left side). On the bottom part of the annotations panel you will find buttons for adding new annotations and on top part of the annotations panel you will find buttons for saving and publishing annotations (more on this later). Adding a new annotation 1. Start playing your video, or seek to the moment you would like the annotation to appear. 2. You can add the following types of annotations by clicking on the appropriate '+' icon on the bottom part of the annotations panel. Try them all out to find the ones you want. Speech bubbles  - for creating pop-up speech bubbles with text. Notes  - for creating pop-up boxes containing text. Spotlights  - for highlighting areas in a video - when the user moves the mouse over these areas the text you enter will appear. Video Pauses - for pausing the video for a length of time you specify You can also add links to speech bubbles, notes and highlights (linking is restricted to certain pages on youtube.com). 3. You can also double click on the movie to create a default Spotlight annotation. 4. Notice that once added, the new annotation appears on the annotations list in the left-hand-side. Editing an annotation To edit an annotation, first select it in the annotations list on the left hand side, or click on the annotation itself in the video viewer. Edit your annotation on the video itself</p> <p>Additional editing options in the annotations list</p>	

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<p align="center">US 7,730,132 (Method)</p>	<p align="center">YouTube Products</p> <p>Additional editing functionality can be found on the annotations list, which is part of the annotations panel (left side)</p> <p>You can change the start time and end time of your annotation. An annotation's default start time is when you click to add it (⏪ icon). The default end time is 5 seconds later. To change this, just enter the start and finish times you want in [H:MM:SS.s] format. For instance, [0:01:05.2] means 1 minute, 5.2 seconds into the video.</p> <p>You can add a URL link to your annotation. Many types of links can be added including links to YouTube videos, Channel pages and much more. To find out about the types of links available go to 'Linking Annotations'.</p> <p>You can delete annotations from the list on the left. Click the [x] on the upper right corner of the annotation you want to delete.</p> <p>You can change the duration of a Movie Pause Annotation by changing the right time field of the pause annotation.</p> <p>You can switch between annotation types. Click on the arrow next to the annotation symbol (top left corner of the annotations cell in the annotations list) and select the annotation you would like to switch to."</p>
<p>receiving a second request for audio-video network connections from a second client device for editing at the multimedia storage server at least one of the components of the multimedia document, wherein the structural relationships among the components form a basis for at least spatial layout and order of presentation of the multimedia</p>	<p>See previous element "receiving a first request..." Note multiple different users can annotate (comment on) the multimedia document. Just as the request was made above for the first request, the same is for the second.</p>

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US 7,730,132 (Method)	YouTube Products
<p>document, and wherein editing includes inserting a second set of annotations in the multimedia document;</p>	
<p>receiving a third request for audio-video network connections from a third client device for playback of video associated with the edited multimedia document stored on the multimedia storage server, wherein the third request is communicated using IP protocol over a local network;</p>	<div data-bbox="646 640 1230 1087" data-label="Image"> <p>The image is a screenshot of a YouTube video player. It shows a video player interface with a video frame in the center. The video frame shows a scene with several people, including one person in a red shirt and another in a blue shirt, standing near a white car. The YouTube logo is visible in the top left corner of the player. The video title and channel name are partially visible at the bottom of the player.</p> </div> <p>Any user can request playback of a video associated with a multimedia document. This includes playback of the edited multimedia document. This request can be done over the internet i.e., using IP protocol, over a local area when access is from an office, business, home or other local network.</p>

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US 7,730,132 (Method)	YouTube Products
<p>receiving a fourth request for audio-video network connections from a fourth client device for playback of video associated with the edited multimedia document stored on the multimedia storage server, wherein the fourth request is communicated using IP protocol over a wide area network;</p>	<p>Any user can request playback of a video associated with a multimedia document. This includes playback of the edited multimedia document, as seen above in "receiving a third request..." This request can be done over the internet, which is a wide area network, i.e., using IP protocol.</p>
<p>providing simultaneous access to content of the edited multimedia document to the third client device and the fourth client device over the local network and the wide area network respectively by enabling transfer of at least video of the edited multimedia document to the third and fourth client devices for decompressing at the third and fourth client devices respectively; and simultaneous to providing access to the video of the edited multimedia document to the</p>	<p>Multiple YouTube users can view edited multimedia documents simultaneously, as shown in the below screenshot. Viewing the multimedia document shows the user both the video and all associated annotations to that multimedia document. This is done over a local area when access is from an office, business, home or other local network and / or the internet, which is a wide area network.</p>

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<p>US 7,730,132 (Method)</p> <p>third client device and the fourth client device, providing access to the third client device and the fourth client device to at least the first and second sets of annotations.</p>	<p align="center">YouTube Products</p> <div data-bbox="406 588 852 1123" data-label="Image"> </div> <p align="center">Simultaneous access is further demonstrated by the fact that both users <i>krackles881</i> and <i>squizz00</i> added comments at the same time (i.e. "1 minute ago").</p> <div data-bbox="941 514 1372 1218" data-label="Image"> </div>
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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>The transfer of the video is shown below by "buffering" the video from the YouTube servers to the client devices for viewing.</p> <div data-bbox="576 588 1047 1123" data-label="Image"> </div> <p>The "transfer" of the video in the multimedia document is shown above by a rotating buffering video symbol highlighted by the arrow. The transfer is also indicated on the video progress bar, enlarged below. The dark solid line is video that has already played, the slightly less dark line is video that has been transferred, but not yet played and the small gray "unshaded" area represents video that has yet to be transferred.</p> <p>When a YouTube video is stored on the YouTube server, it is compressed. See analysis at claim 2.</p>	

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EXHIBIT C cont.
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<p>US 7,730,132 (Method)</p>	<p align="center">YouTube Products</p> <p>It is transferred in a compressed format to the user. Thus, when it is played back, it must be decompressed, using Adobe Flash, for example. http://www.google.com/support/youtube/bin/answer.py?answer=56115 "Videos on YouTube are streamed through Adobe Flash player." Decompression at the client device can be seen from the Wikipedia description of Adobe Flash Video at http://en.wikipedia.org/wiki/Flash_Video. See specifically, the section under the heading "Delivery options."</p>
<p>11. The method of claim 10, further comprising: storing video received from the first client device and the second client device respectively as components of first and second multimedia documents.</p>	<p>See claim 2, second part.</p> <p>YouTube stores the uploaded videos as components of different multimedia documents.</p> <p>The following explains how a user can upload media and was taken from: http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=57924 <u>"How to upload a video to YouTube</u> Share Comment Print Once you edit your video, make sure it's smaller than 2GB in size, in an acceptable file format, and less than 15 minutes unless you have permission to upload videos of unlimited duration. If all of these things are in order, you are now ready to upload! To upload your video:</p> <ol style="list-style-type: none"> 1. Click the Upload link at the top of any YouTube page. 2. Click the Upload video button to browse for the video file you'd like to upload to our site. Select the file you want to upload and click Open. 3. As the video file is uploading, enter as much information about your video as possible in the relevant fields (including Title, Description, Tags, and Category). You're not required to provide specific information, but the more information you include, the easier it is for users to find your video! 4. Click the Save changes button to save the updates you've made to the video file."


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<p>US 7,730,132 (Method)</p>	<p align="center">YouTube Products</p> <p>The screenshot below shows a representation of a multimedia document. A "second" multimedia document would have the same format but different content.</p>  <p>The screenshot shows a YouTube video player interface. The video title is "scary video" by the channel "chumckid". It has 11,467,250 views and was uploaded on 10/17/2008. The video player shows a scene with people in a field. Below the video, there are options for "Share" and "Embed". The YouTube logo and "scary video" text are visible in the top left corner of the player area.</p>
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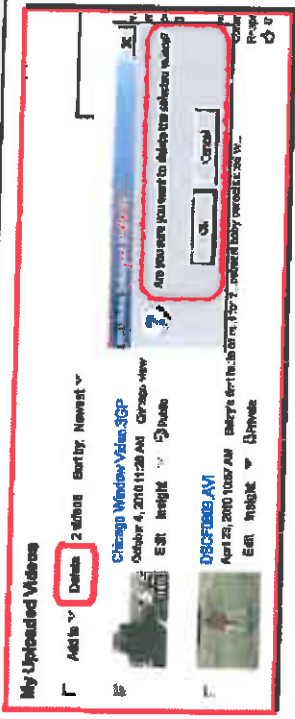
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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>12. The method of claim 11, further comprising: tagging data associated with the first multimedia document such that the tagged data can be searched later to access a selected portion of the first multimedia document.</p>	<p>Tagging data can be added to a multimedia document to allow other users to search for that document. Other users can find all photos or videos with a particular user "tagged" in that media component by viewing that user's page. Once added, tags become associated with the multimedia document.</p> <p>The following is taken from: http://www.youtube.com/howto_makevideo <u>'Making Your Video Easy to Find</u></p> <p>When you upload your video, we require you to choose at least one category and enter at least one tag to describe the content in your video. Adding this information helps other YouTube members find your video, so if you want an audience, help them out! The more accurate the tags are on each video, the easier it is for everyone to find cool videos to watch.</p> <p>Make your tags as descriptive as you can—if you took a video of your friends at the beach, you might want to tag it like this: party beach surfing. Each tag is separated from the others by a space."</p>

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<p>US 7,730,132 (Method)</p>	<p>YouTube Products</p>
<p>13. The method of claim 11, further comprising: performing at least one of creating, naming, time-stamping, retrieving, deleting, tagging, content-searching and playing back at least a portion of the multimedia document.</p>	<p>See claim 3.</p> <p>As shown in the description for Claims 1 and 10, and the screenshot below, YouTube is configured for at least creating (self evident), naming (video name is "Scary Video"), retrieving (self evident), deleting (see the circled functionality allowing 'deleting'), tagging (see description of tagging at Claim 12), and playback (self evident) of at least a portion of the multimedia document, the video for example.</p>  <p>The screenshot below shows the ability to delete video.</p>

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US 7,730,132 (Method)	YouTube Products
<p>14. The method of claim 10, further comprising: compressing a respective audio-video input received from the first client device and the second client device.</p>	 <p>The screenshot shows the 'My Uploaded Videos' section of a YouTube account. A red box highlights the 'Details' button for the video 'Chicago Window View SGP'. A dialog box is open over the video, asking 'Are you sure you want to delete this collection video?' with 'OK' and 'Cancel' buttons.</p> <p>See claim 2, first part. YouTube video formats include a "codec," or a compression / decompression device. The following explains YouTube compression and is taken from: http://www.google.com/support/youtube/bin/answer.py?hl=en&answer=55744 "There are a wide range of video codec formats, audio codec formats and container formats in use and YouTube supports a very wide variety of them. ... Here's the list of some well-known formats which YouTube supports: WebM files (Vp8 video codec and Vorbis Audio codec) MPEG4, 3GPP and MOV files - (typically supporting h264 and mpeg4 video codecs and AAC audio codec) AVI (Many cameras output this format - typically the video codec is MJPEG and audio is PCM)</p>

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US 7,730,132 (Method)	YouTube Products
	<p>MPEGPS (Typically supporting MPEG2 video codec and MP2 audio) WMV FLV (Adobe - FLV1 video codec, MP3 audio)</p> <p>YouTube converts the uploaded video to a different format for display. See discussion at http://en.wikipedia.org/wiki/YouTube under "Quality and codecs" section.</p>
<p>15. The method of claim 10, further comprising: performing replication of the stored multimedia document on at least two of a plurality of disks of storage facilities that are associated with the multimedia storage server.</p>	<p>See claim 7. Standard industry practice for a major data center would require multiple disks for backup replication.</p>
<p>16. The method of claim 15, wherein the storage facilities are internal to the multimedia storage server.</p>	<p>See claim 8. The YouTube multimedia document is stored on YouTube storage facilities that are internal to the storage device. When a user accesses a YouTube multimedia document, the URL is a YouTube URL indicating storage within YouTube servers or servers under the control of, or affiliated with, YouTube.</p>

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US 7,730,132 (Method)	YouTube Products
17. The method of claim 10, further comprising: performing backup of the multimedia document.	See claim 6. Standard industry practice for a major data center would require backup replication.