

**IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
MARSHALL DIVISION**

PERSONALIZED MEDIA COMMUNICATIONS, LLC  Plaintiff,  v.	
GOOGLE LLC.	Case No.: 2:19-cv-90-JRG LEAD CASE
NETFLIX, INC.  Defendants.	Case No.: 2:19-cv-91-JRG

**JOINT CLAIM CONSTRUCTION CHART  
PURSUANT TO P.R. 4-5(d)**

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
1.	control signal[s]	<p>'217 patent, claim 20:</p> <p>20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a <b>control signal</b> at said receiver</p>	A signal that controls.	A signal that tells a device to perform a function. A control signal is not computer programming.	

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		<p>station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p> <p><u>'528 patent, claim 32:</u>  32. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying television</p>			

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		<p>programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a television signal;</p> <p>generating at least one <b>control signal</b>; and</p> <p>transmitting said at least <b>one control signal</b>, wherein said at least one <b>control signal</b>:</p> <p style="padding-left: 40px;">(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p style="padding-left: 40px;">(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in</p>			

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		<p>and received with said television signal.</p> <p><u>'528 patent, claim 37:</u>  37. The method of claim 32, wherein said receiver station includes a memory, said method further comprising the step of:</p> <p>including in said at least one <b>control signal</b> at least one datum which designates said incomplete television image.</p> <p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming and a plurality of <b>control signals</b> from said origination station to said intermediate transmitter station, said <b>control signals</b> for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate transmitter station and automatically controlling the operation of said intermediate</p>			

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		<p>transmitter station;</p> <p>receiving at said intermediate transmitter station said television programming and said plurality of <b>control signals</b>;</p> <p>transmitting said television programming and at least a first portion of said plurality of <b>control signals</b> from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of <b>control signals</b> received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of <b>control signals</b> from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p> <p><u>'241 patent, claim 17:</u>  17. The method of claim 16, further comprising the step of decrypting said transmitted television programming in response to said at least a first portion of said</p>			

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		<p>plurality of <b>control signals</b> before displaying said television programming.</p> <p><u>'241 patent, claim 22:</u>  22. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted, said second signal including a <b>control signal</b> for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting at least said first signal;</p>			

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		<p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said transmitted television programming and said second signal;</p> <p>outputting at said receiver station said received television programming in a multimedia presentation in response to said <b>control signal</b> included in said second signal.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station, said second signal being a</p>			



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		<p><b>control signal;</b></p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said television programming and said second signal;</p> <p>detecting said second signal at said receiver station;</p> <p>transferring at least a first portion of said</p>			

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		<p>second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said television programming.</p> <p><u>'560 patent, claim 4:</u></p> <p>4. A method of communicating image programming and computer programming to at least one subscriber in a network, said network including at least one programming origination station, at least one intermediate transmission station, and at least one subscriber station, said method comprising the steps of:</p> <p>originating an information transmission containing a <b>control signal</b> from said at least one programming origination station designating at least a portion of a programming presentation, which is effective to accomplish:</p> <p>effecting said at least one intermediate</p>			

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		<p>transmission station to control a computer to select a receiver and communicate said at least a portion of said programming presentation to a transmitter, and transmit to said at least one subscriber station a signal including said at least a portion of a programming presentation; and</p> <p>transmitting said information transmission containing said <b>control signal</b> from said at least one programming origination station to said at least one intermediate transmission station.</p> <p><u>'560 patent, claim 5:</u></p> <p>5. A method of communicating units of programming to a subscriber in a network, said network including at least one programming origination station, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station transmitting said units of programming to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a <b>control signal</b> from said origination station at said intermediate transmission station;</p>			

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		<p>detecting said <b>control signal</b> at said intermediate transmission station and passing said <b>control signal</b> to a computer; and</p> <p>controlling said intermediate transmission station based on said <b>control signal</b> to:</p> <p style="padding-left: 40px;">select a portion of said units of programming based on operating records stored at said intermediate transmission station;</p> <p style="padding-left: 40px;">receive said units of programming at said intermediate transmission station; communicate said selected a portion of said-units of programming to a storage location;</p> <p style="padding-left: 40px;">store said selected a portion of said units of programming at said storage location; and</p> <p style="padding-left: 40px;">alter said operating records stored at said intermediate transmission station to indicate at least one of reception and storage of said selected a portion of units of programming; and subsequently transmitting said selected a portion of said-units of programming to said at least one</p>			

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		<p>subscriber station.</p> <p><u>'560 patent, claim 6:</u>  6. The method of claim 5, wherein said <b>control signal</b> is effective at said intermediate transmission station to instruct a selective transmission device.</p> <p><u>'560 patent, claim 7:</u>  7. The method of claim 5, wherein said <b>control signal</b> includes a schedule.</p>			
2.	<b>processor</b>	<p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a <b>processor</b>, content of a first medium of said at least two of said plurality of media</p>	A device that performs operations according to instructions.	<p>No construction necessary.</p> <p>If a construction is necessary: "a device that processes data."</p>	

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		<p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of</p>			

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		<p>information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a <b>processor</b>, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined</p>			

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		<p>prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said</p>			



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		<p>series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p> <p><u>'344 patent, claim 1:</u></p> <p>1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a data network connection to an external data network, a <b>processor</b>, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said <b>processor</b> to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said <b>processor</b> executing said first operating instructions through said data network connection to said</p>			

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		<p>external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said <b>processor</b>, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said <b>processor</b> with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said <b>processor</b>, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming transmission for display to a viewer.</p>			

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		<p><u>'528 patent, claim 21:</u></p> <p>21. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying said television programming, a receiver operatively connected to said monitor, and a <b>processor</b> operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p> <p>passing at least a portion of said information transmission to said <b>processor</b>;</p> <p>determining the absence of complete generated television image data by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of determining the absence of complete generated television image data;</p> <p>advancing to the subsequent information</p>			

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		<p>received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of determining the absence of complete generate television image data, wherein said method controls the display of said television programming at said receiver station.</p> <p><u>'528 patent, claim 23:</u> 23. The method of claim 21, wherein said receiver station further includes a digital detector operatively connected to said <b>processor</b>, said method further comprising the step of:</p> <p>detecting at least one datum in said information transmission designating a specific television image</p> <p><u>'528 patent, claim 32:</u> 32. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying television programming, a receiver operatively connected to said monitor, and a <b>processor</b> operatively connected to at least one of said monitor and said receiver, said method</p>			

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		<p>comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a television signal;</p> <p>generating at least one control signal; and transmitting said at least one control signal, wherein said at least one control signal:</p> <p>(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p>(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television signal.</p>			
3.	<b>processor instructions</b>	<u>'217 patent, claim 1:</u> 1. A method of outputting a multimedia	Commands or signals that are	No construction necessary.	

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		<p>presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining content, through use of <b>processor instructions</b> resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each medium comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said content of each of said medium:</p> <p style="padding-left: 40px;">comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p>	<p>executed by, or instruct, a processor to perform operations.</p>		

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		<p>coordinating, through use of <b>processor instructions</b> resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said content of said medium comprising an identifier that matches said predetermined identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u></p> <p>11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver</p>			

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		<p>station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of <b>processor instructions</b>, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia</p>			



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		<p>presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 20:</u></p> <p>20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p>			

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		<p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p>processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p>comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of <b>processor instructions</b> to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of</p>			

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		<p>discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p>			
4.	<b>media/medium</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two <b>media</b> which include a first <b>medium</b> received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first <b>medium</b></p>	Forms of electronically transmitted programming, such as audio, video, graphics, and/or text, television programming (including its video and audio components) is a single form of	<p>A channel of communication, such as radio, television, newspaper, book, or Internet.</p> <p>If PMC's construction is adopted, replace "television programming (including its</p>	

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		<p>in a storage <b>medium</b> at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each <b>medium</b> received after said first <b>medium</b> in said plurality of signals, wherein determining content of each <b>medium</b> comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said content of each of said <b>medium</b>:</p> <p style="padding-left: 40px;">comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a <b>medium</b> comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station</p>	media.	video and audio components) is a single form of media" with "Internet is a single form of media."	

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		<p>based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said <b>medium</b> comprising an identifier that matches said predetermined identifier and said content of said <b>medium</b> comprising an identifier that matches said predetermined identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 9:</u>  9. The method of claim 1, further comprising the step of storing said <b>medium</b> comprising an identifier that matches said predetermined identifier at said receiver station.</p> <p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second <b>media</b> of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality</p>			

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		<p>of signals;</p> <p>receiving said second <b>medium</b> in a digital data channel from a source external to said receiver station, wherein said second <b>medium</b> is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first <b>medium</b>,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first <b>medium</b> of said multimedia presentation,</p> <p>identify content of said second <b>medium</b>,</p>			

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		<p>generate information based on said second <b>medium</b> based on identifying said content of said second <b>medium</b>, and</p> <p>coordinate presentation of said first <b>medium</b> and said information based on said second <b>medium</b>; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first <b>medium</b> has a predetermined relationship to said information based on said second <b>medium</b> and said content of said first <b>medium</b> explains a significance of said information based on said second <b>medium</b>.</p> <p><u>'217 patent, claim 12:</u> 12. The method of claim 11, wherein said first <b>medium</b> comprises a television program including video and audio.</p> <p><u>'217 patent, claim 16:</u> 16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of <b>media</b>, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two</p>			

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		<p>of said plurality of <b>media</b> from different sources, a first <b>medium</b> of said plurality of <b>media</b> being received in a plurality of signals and a second <b>medium</b> of said plurality of <b>media</b> being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first <b>medium</b> of said at least two of said plurality of <b>media</b></p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of <b>media</b> and identifying content of said first <b>medium</b>;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first <b>medium</b>;</p> <p>storing said first <b>medium</b> at said receiver station; and</p>			



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		<p>identifying content of said second <b>medium</b>;</p> <p>processing, based on said content of said second <b>medium</b>, said second <b>medium</b> to generate information based on said second <b>medium</b>;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first <b>medium</b> and said generated information based on said second <b>medium</b>, said information included in said first <b>medium</b> having a predetermined relationship to said generated information based on said second <b>medium</b> and said information included in said first <b>medium</b> explaining a significance of said generated information based on said second <b>medium</b>.</p> <p><u>'217 patent, claim 17:</u>  17. The method of claim 16, said method further comprising the step of storing said information based on said second of said at least two of said plurality of <b>media</b> at said receiver station.</p> <p><u>'217 patent, claim 18:</u>  18. The method of claim 16, wherein said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first <b>medium</b> comprises a television program including video and audio.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first <b>medium</b> to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first <b>medium</b>;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first <b>medium</b>;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second <b>medium</b> from an external source to create a series of discrete video images, wherein said second <b>medium</b> is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first <b>medium</b> and said outputted video image of said series of discrete video images, said first <b>medium</b> having a predetermined relationship to said series of discrete video images and said first <b>medium</b> explaining a significance of said video image of said series of discrete video images.</p> <p><u>'217 patent, claim 21:</u> 21. The method of claim 20, wherein said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first <b>medium</b> comprises a television program including video and audio.</p> <p><u>'217 patent, claim 22:</u>  22. The method of claim 20, wherein said second <b>medium</b> is received in a digital data channel.</p>			
5.	<b>process[ing] only a signal of said [subset of said] plurality of signal[s] that includes an identifier that matches said predetermined identifier to provide said first medium</b>	<p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p>	<p>Subset of said plurality of signals means: less than or equal to another set of signals.</p> <p>Plain and ordinary meaning as to the rest of the term.</p>	Process less than all of the signals in the [subset of said] plurality of signals.	

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		<p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p><b>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium</b> of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p><b>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</b></p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u></p> <p>20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first medium;</p> <p><b>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</b></p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said</p>			

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		video image of said series of discrete video images.			
6.	<b>coordinating/ coordinate/ coordinated/ combining</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each medium comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said content of each of said medium:</p> <p style="padding-left: 40px;">comparing said processed identifier to</p>	Plain and ordinary meaning.	To place or arrange (elements) in proper position relative to each other automatically and without manual instructions.	

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		<p>a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p><b>coordinating</b>, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of <b>coordinating</b> such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said content of said medium comprising an identifier that matches said predetermined identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p><b>coordinate</b> presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a <b>coordinated</b> presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included</p>			



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		<p>in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p><b>combining</b> said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p>			
7.	<b>coordinated presentation</b>	<p><u>'217 patent, claim 16:</u></p> <p>16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals</p>	Organized presentation of several media related by content.	No additional construction necessary; "coordinating"/ "coordinate"/ "coordinated"/ "combining" construed above.	

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		<p>and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a <b>coordinated presentation</b> of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p>			
8.	<b>outputting and displaying said multimedia presentation</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in</p>	Plain and ordinary meaning.	Without any manual step, outputting and displaying said multimedia presentation.	

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		<p>a storage medium at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each medium comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said content of each of said medium:</p> <p style="padding-left: 40px;">comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p><b>outputting and displaying said multimedia presentation</b> to a user at said receiver station</p>			

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		<p>based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said content of said medium comprising an identifier that matches said predetermined identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality</p>			

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		<p>of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>medium; and</p> <p><b>outputting and displaying said multimedia presentation</b> to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p><b>outputting and displaying said multimedia presentation</b>, said multimedia presentation comprising a coordinated presentation of</p>			



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		information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.			
9.	<b>digital data channel</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a <b>digital data channel</b> from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each</p>	A channel that carries exclusively or predominantly digital information.	Broadcast or cablecast that carries digital information.	

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		<p>medium comprises:</p> <p>processing an identifier which identifies said content of each of said medium:</p> <p>comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said content of said medium comprising an identifier that matches said predetermined identifier explains a significance of said</p>			

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		<p>presentation using said information.</p> <p><u>'217 patent, claim 11:</u></p> <p>11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a <b>digital data channel</b> from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium</p>			

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		<p>and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a <b>digital data channel</b> from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated</p>			

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		information based on said second medium.  <u>'217 patent, claim 22:</u> 22. The method of claim 20, wherein said second medium is received in a <b>digital data channel</b> .			
10.	<b>units of audio or video programming</b>	<u>'920 patent, claim 7:</u> 7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:  passing a plurality of <b>units of audio or video programming</b> to a transmitter at said one or more programming origination stations;  passing to said transmitter at said one or more programming origination stations, data identifying said <b>units of audio or video programming</b> or subject matter included in	No additional construction required; "audio or video programming" construed below.	No additional construction necessary.. Must be the same "units" throughout the claim.	

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		<p>said <b>units of audio or video programming</b>, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of <b>units of audio or video programming</b> to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of <b>units of audio or video programming</b>,</p> <p>wherein said identified storage locations are different for each of said plurality of <b>units of audio or video programming</b>, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said <b>units of audio or video programming</b> or subject matter included in said <b>units of audio or video programming</b> and said data of one or more</p>			



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		<p>predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said <b>units of audio or video programming</b> or a subject matter included in said <b>units of audio or video programming</b> to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of <b>units of audio or video programming</b> and data that identify said <b>units of audio or video programming</b> or a subject matter included in said <b>units of audio or video programming</b>;</p> <p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said <b>units of audio or video programming</b>;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said <b>units of audio or video programming</b>;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of <b>units of audio or video programming</b> to a subscriber station at a timing determined by processing said data that identify said <b>units of audio or video programming</b> or a subject matter included in said <b>units of audio or video programming</b>; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said <b>units of audio or video programming</b>, that controls said first switch to store said at least one of said <b>units of audio or video programming</b> at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said <b>units of audio or video programming</b> or a subject matter</p>			

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		included in said <b>units of audio or video programming</b> , that controls said first switch to transfer said stored at least one of said <b>units of audio or video programming</b> from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said <b>units of audio or video programming</b> to said transmitter, wherein said identified storage locations are different for each of said <b>units of audio or video programming</b> .			
11.	<b>audio or video programming</b>	<p><u>'920 patent, claim 7:</u>  7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of <b>audio or video</b></p>	Audio or video content of a show, movie, news, documentary, or similar programming; "programming" separately construed below.	No additional construction necessary; "units of audio or video programming" construed above.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><b>programming</b> to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of <b>audio or video programming</b> or subject matter included in said units of <b>audio or video programming</b>, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of <b>audio or video programming</b> to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of <b>audio or video programming</b>,</p> <p>wherein said identified storage locations are different for each of said plurality of units of <b>audio or video programming</b>, and</p> <p>wherein said stored at least one of said plurality of units of programming is</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of <b>audio or video programming</b> or subject matter included in said units of <b>audio or video programming</b> and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of <b>audio or video programming</b> or a subject matter included in said units of <b>audio or video programming</b> to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of <b>audio or video programming</b> and data that identify said units of <b>audio or video programming</b> or a subject matter included in said units of <b>audio or video programming</b>;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of <b>audio or video programming</b>;</p> <p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of <b>audio or video programming</b>;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of <b>audio or video programming</b> to a subscriber station at a timing determined by processing said data that identify said units of <b>audio or video programming</b> or a subject matter included in said units of <b>audio or video programming</b>; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of <b>audio or video programming</b>, that controls said first switch to store said at least one of said units of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><b>audio or video programming</b> at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of <b>audio or video programming</b> or a subject matter included in said units of <b>audio or video programming</b>, that controls said first switch to transfer said stored at least one of said units of <b>audio or video programming</b> from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of <b>audio or video programming</b> to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of <b>audio or video programming</b>.</p>			
12.	<b>television . . . programming/ television program</b>	<p><u>'217 patent, claim 12:</u> 12. The method of claim 11, wherein said first medium comprises a <b>television program</b> including video and audio.</p> <p><u>'217 patent, claim 18:</u> 18. The method of claim 16, wherein said first medium comprises a <b>television program</b> including video and audio.</p>	Audio and corresponding video content of a show, movie, news, documentary, or similar programming; "programming"	Video and any associated audio information transmitted in accordance with a television schedule.	

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		<p><u>'217 patent, claim 21:</u>  21. The method of claim 20, wherein said first medium comprises a <b>television program</b> including video and audio.</p> <p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives <b>television</b> or radio <b>programming</b>, said receiver station having a data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions</p>	separately construed below.		



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>through said data network connection to said external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said processor with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said processor, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmission for display to a viewer.</p> <p><u>'528 patent, claim 21:</u></p> <p>21. A method of controlling the display of <b>television programming</b> at a receiver station, wherein said receiver station includes a monitor for displaying said <b>television programming</b>, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p> <p>passing at least a portion of said information transmission to said processor;</p> <p>determining the absence of complete generated television image data by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of determining the absence of complete generated television image data;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>advancing to the subsequent information received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of determining the absence of complete generate television image data, wherein said method controls the display of said <b>television programming</b> at said receiver station.</p> <p><u>'528 patent, claim 32:</u>  32. A method of controlling the display of <b>television programming</b> at a receiver station, wherein said receiver station includes a monitor for displaying <b>television programming</b>, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a television signal;</p> <p>generating at least one control signal; and</p> <p>transmitting said at least one control signal, wherein said at least one control signal:</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p>(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television signal.</p> <p><u>'528 patent, claim 38:</u>  38. The method of claim 37, said method further comprising the step of transmitting a portion of said <b>television programming</b>.</p> <p><u>'528 patent, claim 39:</u>  39. The method of claim 32, said method further comprising the step of:</p> <p>transmitting only part of said <b>television programming</b>.</p> <p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate</p>			

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		<p>transmitter station to communicate <b>television programming</b> to a receiver station, said method comprising said steps of:</p> <p>receiving said <b>television programming</b> at an origination station;</p> <p>transmitting said <b>television programming</b> and a plurality of control signals from said origination station to said intermediate transmitter station, said control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate transmitter station and automatically controlling the operation of said intermediate transmitter station;</p> <p>receiving at said intermediate transmitter station said <b>television programming</b> and said plurality of control signals;</p> <p>transmitting said <b>television programming</b> and at least a first portion of said plurality of control signals from said intermediate</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted <b>television programming</b> based upon said at least a first portion of said plurality of control signals.</p> <p><u>'241 patent, claim 17:</u>  17. The method of claim 16, further comprising the step of decrypting said transmitted <b>television programming</b> in response to said at least a first portion of said plurality of control signals before displaying said <b>television programming</b>.</p> <p><u>'241 patent, claim 22:</u>  22. A method of controlling an intermediate transmitter station to communicate <b>television programming</b> to a receiver station, said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>method comprising said steps of:</p> <p>receiving said <b>television programming</b> at an origination station;</p> <p>transmitting said <b>television programming</b>, a first signal and a second signal from said origination station to said intermediate transmitter station;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said <b>television programming</b>, said first signal and said second signal;</p> <p>detecting at least said first signal;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said <b>television programming</b> and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p>			

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		<p>receiving at said receiver station said transmitted <b>television programming</b> and said second signal;</p> <p>outputting at said receiver station said received <b>television programming</b> in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 23:</u>  23. The method of claim 22, wherein said first signal comprises a first identification signal identifying said <b>television programming</b> and said identification information at said intermediate transmitter station comprises a second identification signal designating at least one of a transmission time and a transmission channel.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an intermediate transmitter station to communicate <b>television programming</b> to a receiver station, said method comprising said steps of:</p> <p>receiving said <b>television programming</b> at an origination station;</p> <p>transmitting said <b>television programming</b>, a</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first signal and a second signal from said origination station to said intermediate transmitter station, said second signal being a control signal;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted;</p> <p>receiving at said intermediate transmitter station said <b>television programming</b>, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said <b>television programming</b> and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said <b>television programming</b> and said second signal;</p> <p>detecting said second signal at said receiver</p>			

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		<p>station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said <b>television programming</b>.</p> <p><u>'241 patent, claim 31:</u>  31. The method of claim 30, wherein one of said first signal and said second signal is embedded in said <b>television programming</b>.</p> <p><u>'241 patent, claim 33:</u>  33. The method of claim 30, wherein said function includes coordinating delivery of information to supplement said <b>television programming</b>.</p> <p><u>'241 patent, claim 34:</u>  34. The method of claim 30, wherein said function includes storing data to evidence one</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>of an availability, use, and usage of said <b>television programming</b>.</p> <p><u>'241 patent, claim 36:</u>  36. The method of claim 30, wherein said <b>television programming</b> includes an incomplete video image and said function includes delivering information to complete said incomplete video image at a television display device.</p> <p><u>'241 patent, claim 37:</u>  37. The method of claim 30, wherein said function includes processing a user response to information included in said <b>television programming</b>.</p>			
13.	<b>programming</b>	<p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives television or radio <b>programming</b>, said receiver station having a data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions</p>	[noun] Everything that is transmitted electronically to entertain, instruct, or inform, including television, radio, broadcast, print, and computer programming as well as combined medium programming, at	No additional construction necessary; "television programming" and "units of audio or video programming" construed above.	

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		<p>being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions through said data network connection to said external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said processor with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said</p>	<p>least a portion designed for multiple recipients.</p> <p>[verb] Providing operating instructions.</p>		

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>processor, said second function including controlling reception of signals required to output a video <b>programming</b> transmission;</p> <p>receiving said signals required to output said video <b>programming</b> transmission;</p> <p>processing said signals to enable the output of said video <b>programming</b> transmission; and</p> <p>outputting said video <b>programming</b> transmission for display to a viewer.</p> <p><u>'920 patent, claim 7:</u>  7. A method of communicating <b>programming</b> to subscribers in a network, said network including one or more <b>programming</b> origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video <b>programming</b> from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video</p>			

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		<p><b>programming</b> to a transmitter at said one or more <b>programming</b> origination stations;</p> <p>passing to said transmitter at said one or more <b>programming</b> origination stations, data identifying said units of audio or video <b>programming</b> or subject matter included in said units of audio or video <b>programming</b>, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video <b>programming</b> to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video <b>programming</b>,</p> <p>wherein said identified storage locations are different for each of said plurality of units of audio or video <b>programming</b>, and</p> <p>wherein said stored at least one of said plurality of units of <b>programming</b> is</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video <b>programming</b> or subject matter included in said units of audio or video <b>programming</b> and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video <b>programming</b> and said data that identify said units of audio or video <b>programming</b> or a subject matter included in said units of audio or video <b>programming</b> to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or video <b>programming</b> and data that identify said units of audio or video <b>programming</b> or a subject matter included in said units of audio or video <b>programming</b>;</p>			

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		<p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video <b>programming</b>;</p> <p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of audio or video <b>programming</b>;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or video <b>programming</b> to a subscriber station at a timing determined by processing said data that identify said units of audio or video <b>programming</b> or a subject matter included in said units of audio or video <b>programming</b>; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of audio or video <b>programming</b>, that controls said first switch to store said at least one of said units of audio</p>			



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		<p>or video <b>programming</b> at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or video <b>programming</b> or a subject matter included in said units of audio or video <b>programming</b>, that controls said first switch to transfer said stored at least one of said units of audio or video <b>programming</b> from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or video <b>programming</b> to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or video <b>programming</b>.</p> <p><u>'920 patent, claim 17:</u>  17. The intermediate transmission station of claim 12, wherein said first switch is operatively connected to said second storage device, said station further comprising:</p> <p>a second switch operatively connected to said plurality of second storage devices; and</p>			

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		<p>a second controller operatively connected to said second switch that controls said second switch to communicate said units of <b>programming</b> to at least one of said plurality of second storage devices.</p> <p><u>'920 patent, claim 18:</u>  18. The intermediate transmission station of claim 17, further comprising a third controller operatively connected to said plurality of second storage devices that controls said plurality of second storage devices to store or communicate said <b>programming</b>.</p> <p><u>'528 patent, claim 21:</u>  21. A method of controlling the display of television <b>programming</b> at a receiver station, wherein said receiver station includes a monitor for displaying said television <b>programming</b>, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p> <p>passing at least a portion of said information</p>			

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		<p>transmission to said processor;</p> <p>determining the absence of complete generated television image data by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of determining the absence of complete generated television image data;</p> <p>advancing to the subsequent information received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of determining the absence of complete generate television image data, wherein said method controls the display of said television <b>programming</b> at said receiver station.</p> <p><u>'528 patent, claim 32:</u>  32. A method of controlling the display of television <b>programming</b> at a receiver station, wherein said receiver station includes a monitor for displaying television <b>programming</b>, a receiver operatively</p>			

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		<p>connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a television signal;</p> <p>generating at least one control signal; and</p> <p>transmitting said at least one control signal, wherein said at least one control signal:</p> <p>(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p>(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>signal.</p> <p><u>'528 patent, claim 38:</u>  38. The method of claim 37, said method further comprising the step of transmitting a portion of said television <b>programming</b>.</p> <p><u>'528 patent, claim 39:</u>  39. The method of claim 32, said method further comprising the step of:</p> <p>transmitting only part of said television <b>programming</b>.</p> <p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate transmitter station to communicate television <b>programming</b> to a receiver station, said method comprising said steps of:</p> <p>receiving said television <b>programming</b> at an origination station;</p> <p>transmitting said television <b>programming</b> and a plurality of control signals from said origination station to said intermediate transmitter station, said control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitter station and automatically controlling the operation of said intermediate transmitter station;</p> <p>receiving at said intermediate transmitter station said television <b>programming</b> and said plurality of control signals;</p> <p>transmitting said television <b>programming</b> and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television <b>programming</b> based upon said at least a first portion of said plurality of control signals.</p> <p><u>'241 patent, claim 17:</u> 17. The method of claim 16, further comprising the step of decrypting said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitted television <b>programming</b> in response to said at least a first portion of said plurality of control signals before displaying said television <b>programming</b>.</p> <p><u>'241 patent, claim 22:</u></p> <p>22. A method of controlling an intermediate transmitter station to communicate <b>television programming</b> to a receiver station, said method comprising said steps of:</p> <p>receiving said <b>television programming</b> at an origination station;</p> <p>transmitting said <b>television programming</b>, a first signal and a second signal from said origination station to said intermediate transmitter station;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said <b>television programming</b>, said first signal and said second signal;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>detecting at least said first signal;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said <b>television programming</b> and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said transmitted <b>television programming</b> and said second signal;</p> <p>outputting at said receiver station said received <b>television programming</b> in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 23:</u>  23. The method of claim 22, wherein said first signal comprises a first identification signal identifying said <b>television programming</b> and said identification information at said intermediate transmitter station comprises a second identification signal designating at least one of a transmission time and a transmission channel.</p> <p><u>'241 patent, claim 30:</u></p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>30. A method of controlling an intermediate transmitter station to communicate television <b>programming</b> to a receiver station, said method comprising said steps of:</p> <p>receiving said television <b>programming</b> at an origination station;</p> <p>transmitting said television <b>programming</b>, a first signal and a second signal from said origination station to said intermediate transmitter station, said second signal being a control signal;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating <b>programming</b> to be transmitted;</p> <p>receiving at said intermediate transmitter station said television <b>programming</b>, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television <b>programming</b></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said television <b>programming</b> and said second signal;</p> <p>detecting said second signal at said receiver station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said television <b>programming</b>.</p> <p><u>'241 patent, claim 31:</u>  31. The method of claim 30, wherein one of said first signal and said second signal is embedded in said television <b>programming</b>.</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><u>'241 patent, claim 33:</u> 33. The method of claim 30, wherein said function includes coordinating delivery of information to supplement said television <b>programming</b>.</p> <p><u>'241 patent, claim 34:</u> 34. The method of claim 30, wherein said function includes storing data to evidence one of an availability, use, and usage of said television <b>programming</b>.</p> <p><u>'241 patent, claim 36:</u> 36. The method of claim 30, wherein said television <b>programming</b> includes an incomplete video image and said function includes delivering information to complete said incomplete video image at a television display device.</p> <p><u>'241 patent, claim 37:</u> 37. The method of claim 30, wherein said function includes processing a user response to information included in said television <b>programming</b>.</p> <p><u>'560 patent, claim 4:</u> 4. A method of communicating image <b>programming</b> and computer <b>programming</b></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>to at least one subscriber in a network, said network including at least one <b>programming</b> origination station, at least one intermediate transmission station, and at least one subscriber station, said method comprising the steps of:</p> <p>originating an information transmission containing a control signal from said at least one <b>programming</b> origination station designating at least a portion of a <b>programming</b> presentation, which is effective to accomplish:</p> <p>effecting said at least one intermediate transmission station to control a computer to select a receiver and communicate said at least a portion of said <b>programming</b> presentation to a transmitter, and transmit to said at least one subscriber station a signal including said at least a portion of a <b>programming</b> presentation; and</p> <p>transmitting said information transmission containing said control signal from said at least one <b>programming</b> origination station to said at least one intermediate transmission station.</p> <p><u>'560 patent, claim 5:</u></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>5. A method of communicating units of <b>programming</b> to a subscriber in a network, said network including at least one <b>programming</b> origination station, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station transmitting said units of <b>programming</b> to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a control signal from said origination station at said intermediate transmission station;</p> <p>detecting said control signal at said intermediate transmission station and passing said control signal to a computer; and</p> <p>controlling said intermediate transmission station based on said control signal to:</p> <p style="padding-left: 40px;">select a portion of said units of <b>programming</b> based on operating records stored at said intermediate transmission station;</p> <p style="padding-left: 40px;">receive said units of <b>programming</b> at said intermediate transmission station; communicate said selected a portion</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>of said-units of <b>programming</b> to a storage location;</p> <p>store said selected a portion of said units of <b>programming</b> at said storage location; and</p> <p>alter said operating records stored at said intermediate transmission station to indicate at least one of reception and storage of said selected a portion of units of <b>programming</b>; and subsequently transmitting said selected a portion of said-units of <b>programming</b> to said at least one subscriber station.</p> <p><u>'560 patent, claim 8:</u>  8. The method of claim 5, further comprising the step of <b>programming</b> said computer to control said intermediate transmission station according to predetermined characteristics of said intermediate transmission station.</p>			
14.	<b>said receiver station having a data network connection to an external data network</b>	<p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives television or radio programming, <b>said receiver station having a data network connection to an external data network</b>, a processor, an input device,</p>	The receiver station having a data network connection to a remote network.	No construction necessary.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions through said data network connection to said external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first and said second operating instructions do not include audio data, video data, image data</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>and any combination thereof;</p> <p>reprogramming said processor with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said processor, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming transmission for display to a viewer.</p>			
15.	<b>generating a query at said receiver station</b>	<p><u>'344 patent, claim 1:</u></p> <p>1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said</p>	Formulating, at said receiver station, a request for information.	Telephoning a remote site to get additional instructions.	



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p><b>generating a query at said receiver station,</b> said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions through said data network connection to said external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said processor with said received second operating instructions;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>performing a second function by executing said second operating instructions at said processor, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming transmission for display to a viewer.</p>			
16.	video	<p><u>'217 patent, claim 12:</u> 12. The method of claim 11, wherein said first medium comprises a television program including <b>video</b> and audio.</p> <p><u>'217 patent, claim 18:</u> 18. The method of claim 16, wherein said first medium comprises a television program including <b>video</b> and audio.</p> <p><u>'217 patent, claim 20:</u> 20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the</p>	Visual presentation that is capable of showing movement.	No construction necessary; “create a series of discrete video images” construed below.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete <b>video</b> images,</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>wherein said second medium is not included in said plurality of signals;</p> <p>causing a <b>video</b> image of said series of discrete <b>video</b> images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted <b>video</b> image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted <b>video</b> image of said series of discrete <b>video</b> images, said first medium having a predetermined relationship to said series of discrete <b>video</b> images and said first medium explaining a significance of said <b>video</b> image of said series of discrete <b>video</b> images.</p> <p><u>'217 patent, claim 21:</u> 21. The method of claim 20, wherein said first medium comprises a television program including <b>video</b> and audio.</p> <p><u>'344 patent, claim 1:</u> 1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions through said data network connection to said external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>and said second operating instructions do not include audio data, <b>video</b> data, image data and any combination thereof;</p> <p>reprogramming said processor with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said processor, said second function including controlling reception of signals required to output a <b>video</b> programming transmission;</p> <p>receiving said signals required to output said <b>video</b> programming transmission;</p> <p>processing said signals to enable the output of said <b>video</b> programming transmission; and</p> <p>outputting said <b>video</b> programming transmission for display to a viewer.</p> <p><u>'920 patent, claim 7:</u>  7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>audio or <b>video</b> programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or <b>video</b> programming to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or <b>video</b> programming or subject matter included in said units of audio or <b>video</b> programming, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or <b>video</b> programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or <b>video</b></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>programming,</p> <p>wherein said identified storage locations are different for each of said plurality of units of audio or <b>video</b> programming, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or <b>video</b> programming or subject matter included in said units of audio or <b>video</b> programming and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or <b>video</b> programming and said data that identify said units of audio or <b>video</b> programming or a subject matter included in said units of audio or <b>video</b> programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u> 12. An intermediate transmission station, comprising:</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or <b>video</b> programming and data that identify said units of audio or <b>video</b> programming or a subject matter included in said units of audio or <b>video</b> programming;</p> <p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or <b>video</b> programming;</p> <p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of audio or <b>video</b> programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or <b>video</b> programming to a subscriber station at a timing determined by processing said data that identify said units of audio or <b>video</b> programming or a subject matter included in said units of audio or <b>video</b> programming; and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of audio or <b>video</b> programming, that controls said first switch to store said at least one of said units of audio or <b>video</b> programming at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or <b>video</b> programming or a subject matter included in said units of audio or <b>video</b> programming, that controls said first switch to transfer said stored at least one of said units of audio or <b>video</b> programming from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or <b>video</b> programming to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or <b>video</b> programming.</p> <p><u>'241 patent, claim 36:</u></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		36. The method of claim 30, wherein said television programming includes an incomplete <b>video</b> image and said function includes delivering information to complete said incomplete <b>video</b> image at a television display device.			
17.	<b>video image[s]</b>	<p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p>	<p>No additional construction required.</p> <p>A video image may include a single graphic of a visual presentation that is capable of showing movement.</p>	<p>No construction necessary;  “create a series of discrete video images” construed elsewhere.</p>	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete <b>video images</b>, wherein said second medium is not included in said plurality of signals;</p> <p>causing a <b>video image</b> of said series of discrete <b>video images</b> to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted <b>video image</b> into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted <b>video image</b> of said series of discrete <b>video images</b>, said first medium having a predetermined relationship to said series of discrete <b>video images</b> and said first medium explaining a significance of said <b>video image</b> of said series of discrete <b>video</b></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><b>images.</b></p> <p><u>'241 patent, claim 36:</u>  36. The method of claim 30, wherein said television programming includes an incomplete <b>video image</b> and said function includes delivering information to complete said incomplete <b>video image</b> at a television display device.</p>			
18.	<b>controlling the operation and identification of signals by controlling how and where to search for signals</b>	<p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming and a plurality of control signals from said origination station to said intermediate transmitter station, said control signals for <b>controlling the operation and identification of signals by controlling how and where to search for signals</b> at the intermediate transmitter station and automatically controlling the operation of said intermediate transmitter station;</p>	Plain and ordinary meaning; "how and where to search for signals" construed elsewhere.	Controlling the frequency and mode of transmission that the intermediate transmission station searches for signals.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>receiving at said intermediate transmitter station said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p>			
19.	<b>how and where to search for signals</b>	<p><u>'241 patent, claim 16:</u></p> <p>16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an</p>	The manner in which embedded signals and associated programming are located and/or accessed at an	No additional construction necessary; "controlling the operation and identification of signals by	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>origination station;</p> <p>transmitting said television programming and a plurality of control signals from said origination station to said intermediate transmitter station, said control signals for controlling the operation and identification of signals by controlling <b>how and where to search for signals</b> at the intermediate transmitter station and automatically controlling the operation of said intermediate transmitter station;</p> <p>receiving at said intermediate transmitter station said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p>	intermediate transmitter station.	controlling how and where to search for signals” construed above.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.			
20.	... [content/ information/ medium] ... explains/ explaining a significance of ... [presentation/ information/ video image]	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each medium comprises:</p> <p>processing an identifier which identifies said content of each of said</p>	Plain and ordinary meaning, wherein explanation of significance is based on a relationship of the media.	No additional construction required; "content" and "[explains/ explaining] a significance" construed below.	



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>medium:</p> <p>comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said <b>content of said medium comprising an identifier that matches said predetermined identifier explains a significance of said presentation</b> using said information.</p> <p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said <b>content of said first medium explains a significance of said information</b> based on said second medium.</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><u>'217 patent, claim 16:</u></p> <p>16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said <b>information included in said first medium explaining a significance of said generated information</b> based on said second medium.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first <b>medium explaining a significance of said video image</b> of said series of discrete video images.</p>			
21.	<b>[explains/ explaining] a significance</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at</p>	Plain and ordinary meaning.	<p>Indefinite</p> <p>OR</p> <p>Explains meaning or importance to the</p>	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining content, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining content of each medium comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said content of each of said medium:</p> <p style="padding-left: 40px;">comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said</p>		specific user.	



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>predetermined identifier based on said step of determining content; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined identifier and said content of said medium comprising an identifier that matches said predetermined identifier <b>explains a significance</b> of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p>generate information based on said second</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>medium based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium <b>explains a significance</b> of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium <b>explaining a significance</b> of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p>processing said plurality of signals, each of said plurality of signals</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>including an identifier, and</p> <p>comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium <b>explaining a significance</b> of said video image of said series of discrete video images.			
22.	<b>determining content/ identify[ies/ ing] . . . [said] content</b>	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p><b>determining content</b>, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein</p>	Does not object to Defendants' construction but seeks clarification that "determining" or "identifying" content is not limited to machine recognition of the content.	Ascertaining or recognizing the content, and not simply determining/ identifying the type of medium.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><b>determining content</b> of each medium comprises:</p> <p>processing an identifier which <b>identifies said content</b> of each of said medium:</p> <p>comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p> <p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of <b>determining content</b>; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said content of said medium comprising an identifier that matches said predetermined <b>identifier and said content</b> of said medium comprising an identifier that matches said predetermined</p>			



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		<p>identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u></p> <p>11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and <b>identifies content</b> of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p><b>identify content</b> of said second medium,</p> <p>generate information based on said second medium based on <b>identifying said content</b> of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p><b>identifying, using a processor, content</b> of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>predetermined identifier being determined prior to receiving said plurality of media and <b>identifying content</b> of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p><b>identifying content</b> of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>explaining a significance of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p><b>identifying, using a processor, content</b> of a first medium to be output in said multimedia presentation by:</p> <p style="padding-left: 40px;">processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p style="padding-left: 40px;">comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and <b>identifying content</b> of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p>			
23.	content	<p><u>'217 patent, claim 1:</u></p> <p>1. A method of outputting a multimedia</p>	Does not object to Defendants'	the substance or gist, in contrast	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>presentation at a receiver station adapted to receive a plurality of signals, said method comprising the steps of:</p> <p>receiving said plurality of signals including at least two media which include a first medium received in a digital data channel from a source external to said receiver station;</p> <p>storing information from said first medium in a storage medium at a computer at said receiver station;</p> <p>determining <b>content</b>, through use of processor instructions resident on said computer at said receiver station, of each medium received after said first medium in said plurality of signals, wherein determining <b>content</b> of each medium comprises:</p> <p style="padding-left: 40px;">processing an identifier which identifies said <b>content</b> of each of said medium:</p> <p style="padding-left: 40px;">comparing said processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals;</p>	construction.	to form or structure	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>coordinating, through use of processor instructions resident on said computer at said receiver station, a presentation using said information with a presentation of a medium comprising an identifier that matches said predetermined identifier based on said step of determining <b>content</b>; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of coordinating such that said presentation using said information has a predetermined relationship to said <b>content</b> of said medium comprising an identifier that matches said predetermined identifier and said <b>content</b> of said medium comprising an identifier that matches said predetermined identifier explains a significance of said presentation using said information.</p> <p><u>'217 patent, claim 11:</u></p> <p>11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p> <p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies <b>content</b> of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>presentation,</p> <p>identify <b>content</b> of said second medium,</p> <p>generate information based on said second medium based on identifying said <b>content</b> of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p> <p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that <b>content</b> of said first medium has a predetermined relationship to said information based on said second medium and said <b>content</b> of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u></p> <p>16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, <b>content</b> of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying <b>content</b> of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>identifying <b>content</b> of said second medium;</p> <p>processing, based on said <b>content</b> of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p> <p><u>'217 patent, claim 20:</u></p> <p>20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, <b>content</b> of a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first medium to be output in said multimedia presentation by:</p> <p>processing said plurality of signals, each of said plurality of signals including an identifier, and</p> <p>comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying <b>content</b> of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to create a series of discrete video images, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of</p>			

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		<p>identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.</p>			
24.	<b>intermediate transmitter station/ intermediate transmission station[s]</b>	<p><u>'217 patent, claim 3:</u> 3. The method of claim 2, wherein said external transmitter station is an <b>intermediate transmitter station</b>.</p> <p><u>'920 patent, claim 7:</u> 7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of <b>intermediate transmission stations</b>, and a plurality of subscriber stations, each <b>intermediate transmission station</b> receiving audio or video programming from said origination stations, each <b>intermediate</b></p>	Plain and ordinary meaning.	A station that receives and retransmits transmissions sent over-the-air from one location to many locations	

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		<p><b>transmission stations</b> including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or video programming or subject matter included in said units of audio or video programming, said data effective to instruct:</p> <p>at least one of said plurality of <b>intermediate transmission stations</b> to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of <b>intermediate transmission stations</b> to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video programming,</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>wherein said identified storage locations are different for each of said plurality of units of audio or video programming, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of <b>intermediate transmission stations</b>.</p> <p><u>'920 patent, claim 8:</u>  8. The method of claim 7, wherein said one or more selective communications devices at said at least one of said plurality of <b>intermediate transmission stations</b> comprise a switch with a plurality of outputs</p>			



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		<p>and said predetermined transmission station capacities specify a plurality of storage devices and/or transmitters operatively connected to said plurality of outputs.</p> <p><u>'920 patent, claim 9:</u>            9. The method of claim 7, wherein said one or more selective communications devices at said at least one of said plurality of <b>intermediate transmission stations</b> comprise a switch with a plurality of inputs and outputs and said predetermined transmission station capacities specify a plurality of storage devices and/or receivers operatively connected to said plurality of inputs and outputs.</p> <p><u>'920 patent, claim 12:</u>            12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or video programming and data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming;</p> <p>a first storage device that stores data of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video programming;</p> <p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of audio or video programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or video programming to a subscriber station at a timing determined by processing said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of audio or video programming, that controls said first switch to store said at least one of said units of audio or video programming at said identified one of said</p>			

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		<p>plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming, that controls said first switch to transfer said stored at least one of said units of audio or video programming from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or video programming to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or video programming.</p> <p><u>'920 patent, claim 17:</u>  17. The <b>intermediate transmission station</b> of claim 12, wherein said first switch is operatively connected to said second storage device, said station further comprising:</p> <p><u>'920 patent, claim 18:</u>  18. The <b>intermediate transmission station</b> of claim 17, further comprising a third controller operatively connected to said</p>			

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		<p>plurality of second storage devices that controls said plurality of second storage devices to store or communicate said programming.</p> <p><u>'920 patent, claim 19:</u>  19. The <b>intermediate transmission station</b> of claim 18, further comprising a detector operatively connected to one or more of said first controller, said second controller, and said third controller that detects automatic processing information.</p> <p><u>'241 patent, claim 16:</u>  16. A method of controlling an <b>intermediate transmitter station</b> to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming and a plurality of control signals from said origination station to said <b>intermediate transmitter station</b>, said control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the <b>intermediate transmitter station</b> and automatically</p>			

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		<p>controlling the operation of said <b>intermediate transmitter station</b>;</p> <p>receiving at said <b>intermediate transmitter station</b> said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said <b>intermediate transmitter station</b> to said receiver station based upon at least a second portion of said plurality of control signals received at said <b>intermediate transmitter station</b>;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said <b>intermediate transmitter station</b>;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p> <p><u>'241 patent, claim 22:</u>  22. A method of controlling an <b>intermediate transmitter station</b> to communicate television programming to a receiver station,</p>			

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		<p>said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming, a first signal and a second signal from said origination station to said <b>intermediate transmitter station</b>;</p> <p>storing identification information at said <b>intermediate transmitter station</b>, said identification information designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said <b>intermediate transmitter station</b> said television programming, said first signal and said second signal;</p> <p>detecting at least said first signal;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said <b>intermediate transmitter station</b> to said receiver station based on said step of comparing;</p>			

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		<p>receiving at said receiver station said transmitted television programming and said second signal;</p> <p>outputting at said receiver station said received television programming in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 23:</u>  23. The method of claim 22, wherein said first signal comprises a first identification signal identifying said television programming and said identification information at said <b>intermediate transmitter station</b> comprises a second identification signal designating at least one of a transmission time and a transmission channel.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an <b>intermediate transmitter station</b> to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming, a</p>			

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		<p>first signal and a second signal from said origination station to said <b>intermediate transmitter station</b>, said second signal being a control signal;</p> <p>storing identification information at said <b>intermediate transmitter station</b>, said identification information designating programming to be transmitted;</p> <p>receiving at said <b>intermediate transmitter station</b> said television programming, said first signal and said second signal;</p> <p>detecting said first signal at said <b>intermediate transmitter station</b>;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said <b>intermediate transmitter station</b> to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said television programming and said second signal;</p> <p>detecting said second signal at said receiver</p>			



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		<p>station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said television programming.</p> <p><u>'241 patent, claim 35:</u>  35. The method of claim 30, wherein said <b>intermediate transmitter station</b> transmits said first signal and said receiver station stores information included in said first signal to evidence one of an availability of said second signal and a performance of said function.</p> <p><u>'560 patent, claim 4:</u>  4. A method of communicating image programming and computer programming to at least one subscriber in a network, said network including at least one programming origination station, at least one <b>intermediate</b></p>			

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		<p><b>transmission station</b>, and at least one subscriber station, said method comprising the steps of:</p> <p>originating an information transmission containing a control signal from said at least one programming origination station designating at least a portion of a programming presentation, which is effective to accomplish:</p> <p>effecting said at least one <b>intermediate transmission station</b> to control a computer to select a receiver and communicate said at least a portion of said programming presentation to a transmitter, and transmit to said at least one subscriber station a signal including said at least a portion of a programming presentation; and</p> <p>transmitting said information transmission containing said control signal from said at least one programming origination station to said at least one <b>intermediate transmission station</b>.</p> <p><u>'560 patent, claim 5:</u>  5. A method of communicating units of programming to a subscriber in a network, said network including at least one</p>			

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		<p>programming origination station, an <b>intermediate transmission station</b>, and at least one subscriber station, said <b>intermediate transmission station</b> transmitting said units of programming to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a control signal from said origination station at said <b>intermediate transmission station</b>;</p> <p>detecting said control signal at said <b>intermediate transmission station</b> and passing said control signal to a computer; and</p> <p>controlling said <b>intermediate transmission station</b> based on said control signal to:</p> <p style="padding-left: 40px;">select a portion of said units of programming based on operating records stored at said <b>intermediate transmission station</b>;</p> <p style="padding-left: 40px;">receive said units of programming at said <b>intermediate transmission station</b>; communicate said selected a portion of said-units of programming to a storage location;</p>			

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		<p>store said selected a portion of said units of programming at said storage location; and</p> <p>alter said operating records stored at said <b>intermediate transmission station</b> to indicate at least one of reception and storage of said selected a portion of units of programming; and subsequently transmitting said selected a portion of said-units of programming to said at least one subscriber station.</p> <p><u>'560 patent, claim 6:</u>  6. The method of claim 5, wherein said control signal is effective at said <b>intermediate transmission station</b> to instruct a selective transmission device.</p> <p><u>'560 patent, claim 8:</u>  8. The method of claim 5, further comprising the step of programming said computer to control said <b>intermediate transmission station</b> according to predetermined characteristics of said <b>intermediate transmission station</b>.</p> <p><u>'560 patent, claim 10:</u></p>			

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		10. The method of claim 5, wherein said <b>intermediate transmission station</b> is controlled on a basis of predetermined characteristics, said method further comprising the step of storing said predetermined characteristics.			
25.	<b>[programming] origination stations</b>	<p><u>'920 patent, claim 7:</u></p> <p>7. A method of communicating programming to subscribers in a network, said network including one or more <b>programming origination stations</b>, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said <b>origination stations</b>, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more <b>programming origination stations</b>;</p> <p>passing to said transmitter at said one or more <b>programming origination stations</b>, data identifying said units of audio or video programming or subject matter included in</p>	Plain and ordinary meaning.	A station that originates transmissions over-the-air from one location to many locations.	

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		<p>said units of audio or video programming, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video programming,</p> <p>wherein said identified storage locations are different for each of said plurality of units of audio or video programming, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote <b>programming origination stations</b> a plurality of units of audio or video programming and data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming;</p> <p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video programming;</p>			

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		<p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of audio or video programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or video programming to a subscriber station at a timing determined by processing said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of audio or video programming, that controls said first switch to store said at least one of said units of audio or video programming at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or video programming or a subject matter included in said units of audio or</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>video programming, that controls said first switch to transfer said stored at least one of said units of audio or video programming from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or video programming to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or video programming</p> <p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an <b>origination station</b>;</p> <p>transmitting said television programming and a plurality of control signals from said <b>origination station</b> to said intermediate transmitter station, said control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitter station and automatically controlling the operation of said intermediate transmitter station;</p> <p>receiving at said intermediate transmitter station said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p> <p><u>'241 patent, claim 22:</u> 22. A method of controlling an intermediate</p>			

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		<p>transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an <b>origination station</b>;</p> <p>transmitting said television programming, a first signal and a second signal from said <b>origination station</b> to said intermediate transmitter station;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting at least said first signal;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said intermediate</p>			

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		<p>transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said transmitted television programming and said second signal;</p> <p>outputting at said receiver station said received television programming in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an <b>origination station</b>;</p> <p>transmitting said television programming, a first signal and a second signal from said <b>origination station</b> to said intermediate transmitter station, said second signal being a control signal;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating</p>			

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		<p>programming to be transmitted;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said identification information;</p> <p>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said television programming and said second signal;</p> <p>detecting said second signal at said receiver station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said</p>			

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		<p>receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said television programming.</p> <p><u>'560 patent, claim 4:</u></p> <p>4. A method of communicating image programming and computer programming to at least one subscriber in a network, said network including at least one <b>programming origination station</b>, at least one intermediate transmission station, and at least one subscriber station, said method comprising the steps of:</p> <p>originating an information transmission containing a control signal from said at least one <b>programming origination station</b> designating at least a portion of a programming presentation, which is effective to accomplish:</p> <p>effecting said at least one intermediate transmission station to control a computer to select a receiver and communicate said at least a portion of said programming presentation to a transmitter, and transmit to said at least one subscriber station a signal</p>			

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		<p>including said at least a portion of a programming presentation; and</p> <p>transmitting said information transmission containing said control signal from said at least one <b>programming origination station</b> to said at least one intermediate transmission station.</p> <p><u>'560 patent, claim 5:</u>  5. A method of communicating units of programming to a subscriber in a network, said network including at least one <b>programming origination station</b>, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station transmitting said units of programming to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a control signal from said <b>origination station</b> at said intermediate transmission station;</p> <p>detecting said control signal at said intermediate transmission station and passing said control signal to a computer; and</p> <p>controlling said intermediate transmission</p>			

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		<p>station based on said control signal to:</p> <p>select a portion of said units of programming based on operating records stored at said intermediate transmission station;</p> <p>receive said units of programming at said intermediate transmission station; communicate said selected a portion of said-units of programming to a storage location;</p> <p>store said selected a portion of said units of programming at said storage location; and</p> <p>alter said operating records stored at said intermediate transmission station to indicate at least one of reception and storage of said selected a portion of units of programming; and subsequently transmitting said selected a portion of said-units of programming to said at least one subscriber station.</p>			
26.	transmitter station	<p><u>'217 patent, claim 2:</u>  2. The method of claim 1, wherein each of</p>	Plain and ordinary meaning.	An origination station or an	



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>said plurality of signals is received from an external <b>transmitter station</b>.</p> <p><u>'217 patent, claim 3:</u>  3. The method of claim 2, wherein said external <b>transmitter station</b> is an intermediate <b>transmitter station</b>.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote <b>transmitter station</b>;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said plurality of signals, each signal of said plurality of signals including an identifier, and</p>		intermediate transmission station.	

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		<p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to generate information based on said second medium;</p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and said generated information based on said second medium, said information included in said first medium having a predetermined</p>			

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		<p>relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.</p> <p><u>'528 patent, claim 32:</u>  32. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying television programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a <b>transmitter station</b> an information transmission including a television signal;</p> <p>generating at least one control signal; and</p> <p>transmitting said at least one control signal, wherein said at least one control signal:</p> <p>(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of</p>			

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		<p>included in and received with said television signal; and</p> <p>(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television signal.</p>			
27.	<b>create a series of discrete video images</b>	<p><u>'217 patent, claim 20:</u>  20. A method of outputting a multimedia presentation at a receiver station having an output device, said method comprising the steps of:</p> <p>receiving a plurality of signals from a source external to said receiver station:</p> <p>identifying, using a processor, content of a first medium to be output in said multimedia presentation by:</p> <p>processing said plurality of signals, each of said plurality of signals including an identifier, and</p>	Plain and ordinary meaning; "video image" construed above.	Bringing into existence a series of discrete video images and not simply selecting or retrieving a series of discrete video images from the external source.	

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		<p>comparing each said identifier with a predetermined identifier, said predetermined identifier determined prior to receiving said plurality of signals and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>processing a control signal at said receiver station that causes execution of processor instructions to process data received in a second medium from an external source to <b>create a series of discrete video images</b>, wherein said second medium is not included in said plurality of signals;</p> <p>causing a video image of said series of discrete video images to be output and displayed subsequent to said step of identifying; and</p> <p>combining said outputted video image into said multimedia presentation at said output device based on said step of causing to be output, said multimedia presentation</p>			

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		comprising said first medium and said outputted video image of said series of discrete video images, said first medium having a predetermined relationship to said series of discrete video images and said first medium explaining a significance of said video image of said series of discrete video images.			
28.	<b>generate information based on said second medium</b>	<p><u>'217 patent, claim 11:</u>  11. A method of outputting a multimedia presentation at a receiver station adapted to process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, said method comprising the steps of:</p> <p>receiving a subset of said plurality of signals from a source external to said receiver station, each signal of said subset of said plurality of signals including an identifier, wherein said subset of said plurality of signals comprises a plurality of said plurality of signals;</p> <p>receiving said second medium in a digital data channel from a source external to said receiver station, wherein said second medium is not included in said subset of said plurality of signals;</p>	Plain and ordinary meaning; "medium" construed above.	To bring into existence information at the receiver station, as opposed to selecting or retrieving information transmitted to the receiver station, based on said second medium.	

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		<p>controlling a microcomputer at said receiver station, through execution of processor instructions, to:</p> <p>process each identifier of each signal of said subset of said plurality of signals,</p> <p>compare each processed identifier to a predetermined identifier, wherein said predetermined identifier is determined at a time prior to receiving said plurality of signals and identifies content of said first medium,</p> <p>process only a signal of said subset of said plurality of signals that includes an identifier that matches said predetermined identifier to provide said first medium of said multimedia presentation,</p> <p>identify content of said second medium,</p> <p><b>generate information based on said second medium</b> based on identifying said content of said second medium, and</p> <p>coordinate presentation of said first medium and said information based on said second medium; and</p>			

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		<p>outputting and displaying said multimedia presentation to a user at said receiver station based on said step of controlling such that content of said first medium has a predetermined relationship to said information based on said second medium and said content of said first medium explains a significance of said information based on said second medium.</p> <p><u>'217 patent, claim 16:</u>  16. A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of media, said method comprising the steps of:</p> <p>receiving, at said receiver station, at least two of said plurality of media from different sources, a first medium of said plurality of media being received in a plurality of signals and a second medium of said plurality of media being received in a digital data channel from a remote transmitter station;</p> <p>identifying, using a processor, content of a first medium of said at least two of said plurality of media</p> <p>processing each signal of said</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>plurality of signals, each signal of said plurality of signals including an identifier, and</p> <p>comparing each processed identifier to a predetermined identifier, said predetermined identifier being determined prior to receiving said plurality of media and identifying content of said first medium;</p> <p>processing only a signal of said plurality of signal that includes an identifier that matches said predetermined identifier to provide said first medium;</p> <p>storing said first medium at said receiver station; and</p> <p>identifying content of said second medium;</p> <p>processing, based on said content of said second medium, said second medium to <b>generate information based on said second medium;</b></p> <p>outputting and displaying said multimedia presentation, said multimedia presentation comprising a coordinated presentation of information included in said first medium and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		said generated information based on said second medium, said information included in said first medium having a predetermined relationship to said generated information based on said second medium and said information included in said first medium explaining a significance of said generated information based on said second medium.			
29.	<b>operating instructions</b>	<p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first <b>operating instructions</b> at said receiver station, executing said first <b>operating instructions</b> at said processor to perform a first function, said first <b>operating instructions</b> being different from permanent <b>operating instructions</b> permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p>	Plain and ordinary meaning.	Software that controls the basic functionality of the processor by rewriting or revising the operating system itself.	

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		<p>promulgating said query from said receiver station under control of said processor executing said first <b>operating instructions</b> through said data network connection to said external data network;</p> <p>receiving second <b>operating instructions</b> different from both said permanent <b>operating instructions</b> and said first <b>operating instructions</b> in response to said step of promulgating said query, said second <b>operating instructions</b> for controlling operation of said processor, wherein said first and said second <b>operating instructions</b> do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said processor with said received second <b>operating instructions</b>;</p> <p>performing a second function by executing said second <b>operating instructions</b> at said processor, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		of said video programming transmission; and  outputting said video programming transmission for display to a viewer.			
30.	reprogramming said processor	<p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a data network connection to an external data network, a processor, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said processor to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said processor executing said first operating instructions through said data network connection to said</p>	<p>"Reprogramming" means:  implementing alternate operating instructions.</p> <p>"Processor" is construed above.</p>	Rewriting or revising processor instructions to change at least a portion of the operating system.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said processor, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p><b>reprogramming said processor</b> with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said processor, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming transmission for display to a viewer.</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
31.	<b>automatically controlling the operation of said intermediate transmitter station</b>	<p><u>'241 patent, claim 16:</u>  16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming and a plurality of control signals from said origination station to said intermediate transmitter station, said control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate transmitter station and <b>automatically controlling the operation of said intermediate transmitter station;</b></p> <p>receiving at said intermediate transmitter station said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said</p>	Plain and ordinary meaning.	Controlling the operations of said intermediate transmitter station without subscriber input.	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p>			
32.	<b>control signals for controlling the operation . . . of the intermediate transmitter station</b>	<p><u>'241 patent, claim 16:</u></p> <p>16. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming and a plurality of control signals from said origination station to said intermediate transmitter station, said <b>control signals for controlling the operation and identification of signals by controlling how and where to search for signals at the intermediate</b></p>	[AGREED]	[AGREED]	No construction necessary.

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><b>transmitter station and automatically controlling the operation of said intermediate transmitter station;</b></p> <p>receiving at said intermediate transmitter station said television programming and said plurality of control signals;</p> <p>transmitting said television programming and at least a first portion of said plurality of control signals from said intermediate transmitter station to said receiver station based upon at least a second portion of said plurality of control signals received at said intermediate transmitter station;</p> <p>receiving, at said receiver station, said at least a first portion of said plurality of control signals from said intermediate transmitter station;</p> <p>receiving and displaying at a television display device at said receiver station said transmitted television programming based upon said at least a first portion of said plurality of control signals.</p>			
33.	<b>identification information</b>	<p><u>'241 patent, claim 22:</u></p> <p>22. A method of controlling an intermediate</p>	Plain and ordinary meaning.	A programming schedule.	



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station;</p> <p>storing <b>identification information</b> at said intermediate transmitter station, said <b>identification information</b> designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting at least said first signal;</p> <p>comparing said first signal to said <b>identification information</b>;</p> <p>transmitting said television programming and said second signal from said intermediate</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said transmitted television programming and said second signal;</p> <p>outputting at said receiver station said received television programming in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 23:</u>  23. The method of claim 22, wherein said first signal comprises a first identification signal identifying said television programming and said <b>identification information</b> at said intermediate transmitter station comprises a second identification signal designating at least one of a transmission time and a transmission channel.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station, said second signal being a control signal;</p> <p>storing <b>identification information</b> at said intermediate transmitter station, said <b>identification information</b> designating programming to be transmitted;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said <b>identification information</b>;</p> <p>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station based on said step of comparing;</p> <p>receiving at said receiver station said television programming and said second signal;</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>detecting said second signal at said receiver station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first portion of said second signal; and</p> <p>outputting on an output device at said receiver station said television programming.</p>			
34.	<b>determining the absence of complete generated television image data</b>	<p><u>'528 patent, claim 21:</u></p> <p>21. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying said television programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p>	<p>Determining the absence of complete generated television programming image data;</p> <p>"television programming" construed above.</p>	<p>"Complete generated television image data" means "all of the data necessary to display an overlay of user-specific information and broadcast television communications"</p>	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>passing at least a portion of said information transmission to said processor;</p> <p><b>determining the absence of complete generated television image data</b> by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of <b>determining the absence of complete generated television image data</b>;</p> <p>advancing to the subsequent information received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of <b>determining the absence of complete generate television image data</b>, wherein said method controls the display of said television programming at said receiver station.</p> <p><u>'528 patent, claim 26:</u> 26. The method of claim 21, wherein a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>memory is operatively connected to said monitor and data of a television image are placed at a specific memory location at said memory, said method further comprising the one step of the group consisting of:</p> <p>clearing said memory following said step of <b>determining the absence of complete generated television image data</b>; and</p> <p>placing, at said memory location, data of a television image based on said step of advancing to subsequent information.</p> <p><u>'528 patent, claim 32:</u></p> <p>32. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying television programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a television signal;</p> <p>generating at least one control signal; and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitting said at least one control signal, wherein said at least one control signal:</p> <p>(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p>(b) prevents said monitor from displaying an incomplete television image based on said <b>determining the absence of complete generate television image data</b>, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television signal.</p>			
35.	<b>advancing to the subsequent information received in said information transmission</b>	<p><u>'528 patent, claim 21:</u></p> <p>21. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying said television programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said</p>	Plain and ordinary meaning.	moving to later instructions received in or with a television signal.	

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		<p>monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p> <p>passing at least a portion of said information transmission to said processor;</p> <p>determining the absence of complete generated television image data by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of determining the absence of complete generated television image data;</p> <p><b>advancing to the subsequent information</b> received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of determining the absence of complete generate television image data, wherein said method controls the display of said television programming at said receiver station.</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p><u>'528 patent, claim 25:</u> The method of claim 24, wherein said step of <b>advancing to subsequent information</b> further comprises the step of:</p> <p>skipping to information received in said television signal following said at least one datum.</p> <p><u>'528 patent, claim 26:</u> 26. The method of claim 21, wherein a memory is operatively connected to said monitor and data of a television image are placed at a specific memory location at said memory, said method further comprising the one step of the group consisting of:</p> <p>clearing said memory following said step of determining the absence of complete generated television image data; and</p> <p>placing, at said memory location, data of a television image based on said step of <b>advancing to subsequent information.</b></p> <p><u>'528 patent, claim 27:</u> 27. The method of claim 21, further comprising the step of:</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		at least one of generating and communicating a complete television image to said monitor based on said step of <b>advancing to subsequent information</b> .			
36.	<b>said identified storage locations are different for each of said [plurality of] units of audio or video programming</b>	<p>'920 patent, claim 7:  7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or video programming or subject matter included in said units of audio or video programming, said data effective to instruct:</p>	Plain and ordinary meaning; "audio or video programming" construed above.	Indefinite	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video programming,</p> <p>wherein <b>said identified storage locations are different for each of said plurality of units of audio or video programming</b>, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more predetermined transmission station capacities; and</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or video programming and data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming;</p> <p>a first storage device that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video programming;</p> <p>a plurality of second storage devices operatively connected to at least one of said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>first receiver and said first switch for storing said units of audio or video programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or video programming to a subscriber station at a timing determined by processing said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second storage devices at which to store at least one of said units of audio or video programming, that controls said first switch to store said at least one of said units of audio or video programming at said identified one of said plurality of second storage devices in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming, that controls said first switch to transfer said stored at least one of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>said units of audio or video programming from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or video programming to said transmitter,</p> <p>wherein <b>said identified storage locations are different for each of said units of audio or video programming.</b></p>			
37.	storage location[s]/ storage device[s]	<p>'920 patent, claim 7: 7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of <b>storage locations</b>, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more programming origination stations;</p>	[AGREED]	[AGREED]	No construction necessary.

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or video programming or subject matter included in said units of audio or video programming, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to identify one of said plurality of <b>storage locations</b> at which to store at least one said plurality of units of audio or video programming,</p> <p>wherein said identified <b>storage locations</b> are different for each of said plurality of units of audio or video programming, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of <b>storage locations</b> to another of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>said plurality of <b>storage locations</b> based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 8:</u> 8. The method of claim 7, wherein said one or more selective communications devices at said at least one of said plurality of intermediate transmission stations comprise a switch with a plurality of outputs and said predetermined transmission station capacities specify a plurality of <b>storage devices</b> and/or transmitters operatively connected to said plurality of outputs.</p> <p><u>'920 patent, claim 9:</u> 9. The method of claim 7, wherein said one</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>or more selective communications devices at said at least one of said plurality of intermediate transmission stations comprise a switch with a plurality of inputs and outputs and said predetermined transmission station capacities specify a plurality of <b>storage devices</b> and/or receivers operatively connected to said plurality of inputs and outputs.</p> <p><u>'920 patent, claim 12:</u>  12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or video programming and data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming;</p> <p>a first <b>storage device</b> that stores data of predetermined capacities;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video programming;</p> <p>a plurality of second <b>storage devices</b></p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>operatively connected to at least one of said first receiver and said first switch for storing said units of audio or video programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second <b>storage devices</b> to transmit said plurality of units of audio or video programming to a subscriber station at a timing determined by processing said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming; and</p> <p>a first controller that processes said data of one or more predetermined capacities to identify one of said plurality of second <b>storage devices</b> at which to store at least one of said units of audio or video programming, that controls said first switch to store said at least one of said units of audio or video programming at said identified one of said plurality of second <b>storage devices</b> in accordance with processing said data of one or more predetermined capacities, that processes said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming, that controls said first</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>switch to transfer said stored at least one of said units of audio or video programming from said identified one of said plurality of second <b>storage devices</b> to another of said plurality of <b>storage devices</b>, and that controls said first switch to communicate said units of audio or video programming to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or video programming.</p> <p><u>'920 patent, claim 17:</u>  17. The intermediate transmission station of claim 12, wherein said first switch is operatively connected to said second <b>storage device</b>, said station further comprising:</p> <p>a second switch operatively connected to said plurality of second <b>storage devices</b>; and</p> <p>a second controller operatively connected to said second switch that controls said second switch to communicate said units of programming to at least one of said plurality of second <b>storage devices</b>.</p> <p><u>'920 patent, claim 18:</u>  18. The intermediate transmission station of</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>claim 17, further comprising a third controller operatively connected to said plurality of second <b>storage devices</b> that controls said plurality of second <b>storage devices</b> to store or communicate said programming.</p> <p><u>'560 patent, claim 5:</u></p> <p>5. A method of communicating units of programming to a subscriber in a network, said network including at least one programming origination station, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station transmitting said units of programming to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a control signal from said origination station at said intermediate transmission station;</p> <p>detecting said control signal at said intermediate transmission station and passing said control signal to a computer; and</p> <p>controlling said intermediate transmission station based on said control signal to:</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>select a portion of said units of programming based on operating records stored at said intermediate transmission station;</p> <p>receive said units of programming at said intermediate transmission station; communicate said selected a portion of said-units of programming to a <b>storage location</b>;</p> <p>store said selected a portion of said units of programming at said <b>storage location</b>; and</p> <p>alter said operating records stored at said intermediate transmission station to indicate at least one of reception and storage of said selected a portion of units of programming; and subsequently transmitting said selected a portion of said-units of programming to said at least one subscriber station.</p>			
38.	<b>predetermined transmission station capacities</b>	<p>'920 patent, claim 7:</p> <p>7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of</p>	[AGREED]	[AGREED]	No construction necessary.

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or video programming or subject matter included in said units of audio or video programming, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more <b>predetermined transmission station capacities</b> is processed at said at least one of said plurality of intermediate transmission</p>			

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		<p>stations to identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video programming,</p> <p>wherein said identified storage locations are different for each of said plurality of units of audio or video programming, and</p> <p>wherein said stored at least one of said plurality of units of programming is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more <b>predetermined transmission station capacities</b>; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 8:</u></p>			

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		<p>8. The method of claim 7, wherein said one or more selective communications devices at said at least one of said plurality of intermediate transmission stations comprise a switch with a plurality of outputs and said <b>predetermined transmission station capacities</b> specify a plurality of storage devices and/or transmitters operatively connected to said plurality of outputs.</p> <p><u>'920 patent, claim 9:</u></p> <p>9. The method of claim 7, wherein said one or more selective communications devices at said at least one of said plurality of intermediate transmission stations comprise a switch with a plurality of inputs and outputs and said <b>predetermined transmission station capacities</b> specify a plurality of storage devices and/or receivers operatively connected to said plurality of inputs and outputs.</p>			
39.	<b>data of predetermined capacities</b>	<p><u>'920 patent, claim 12:</u></p> <p>12. An intermediate transmission station, comprising:</p> <p>a first receiver that receives from one or more remote programming origination stations a plurality of units of audio or video programming and data that identify said units</p>	[AGREED]	[AGREED]	No construction necessary.



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		<p>of audio or video programming or a subject matter included in said units of audio or video programming;</p> <p>a first storage device that stores <b>data of predetermined capacities</b>;</p> <p>a first switch operatively connected to said first receiver that communicates said units of audio or video programming;</p> <p>a plurality of second storage devices operatively connected to at least one of said first receiver and said first switch for storing said units of audio or video programming;</p> <p>a transmitter operatively connected to at least one of said first switch and said plurality of second storage devices to transmit said plurality of units of audio or video programming to a subscriber station at a timing determined by processing said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming; and</p> <p>a first controller that processes said <b>data of one or more predetermined capacities</b> to identify one of said plurality of second</p>			

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		<p>storage devices at which to store at least one of said units of audio or video programming, that controls said first switch to store said at least one of said units of audio or video programming at said identified one of said plurality of second storage devices in accordance with processing said <b>data of one or more predetermined capacities</b>, that processes said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming, that controls said first switch to transfer said stored at least one of said units of audio or video programming from said identified one of said plurality of second storage devices to another of said plurality of storage devices, and that controls said first switch to communicate said units of audio or video programming to said transmitter,</p> <p>wherein said identified storage locations are different for each of said units of audio or video programming.</p>			
40.	<b>units of programming</b>	<p><u>'920 patent, claim 7:</u>  7. A method of communicating programming to subscribers in a network, said network including one or more programming origination stations, a plurality of</p>	Plain and ordinary meaning; "programming" construed above.	No construction necessary. Must be the same "units" throughout the	

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>intermediate transmission stations, and a plurality of subscriber stations, each intermediate transmission station receiving audio or video programming from said origination stations, each intermediate transmission stations including one or more selective communications devices and a plurality of storage locations, said method comprising the steps of:</p> <p>passing a plurality of units of audio or video programming to a transmitter at said one or more programming origination stations;</p> <p>passing to said transmitter at said one or more programming origination stations, data identifying said units of audio or video programming or subject matter included in said units of audio or video programming, said data effective to instruct:</p> <p>at least one of said plurality of intermediate transmission stations to indicate when to retransmit said plurality of units of audio or video programming to at least one of said plurality of subscriber stations, wherein data of one or more predetermined transmission station capacities is processed at said at least one of said plurality of intermediate transmission stations to</p>		claim.	

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		<p>identify one of said plurality of storage locations at which to store at least one said plurality of units of audio or video programming,</p> <p>wherein said identified storage locations are different for each of said plurality of units of audio or video programming, and</p> <p>wherein said stored at least one of said plurality of <b>units of programming</b> is transferred from said identified one of said plurality of storage locations to another of said plurality of storage locations based on said data identifying said units of audio or video programming or subject matter included in said units of audio or video programming and said data of one or more predetermined transmission station capacities; and</p> <p>transmitting said plurality of units of audio or video programming and said data that identify said units of audio or video programming or a subject matter included in said units of audio or video programming to said plurality of intermediate transmission stations.</p> <p><u>'920 patent, claim 17:</u></p>			

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		<p>a second controller operatively connected to said second switch that controls said second switch to communicate said <b>units of programming</b> to at least one of said plurality of second storage devices.</p> <p><u>'560 patent, claim 5:</u></p> <p>5. A method of communicating <b>units of programming</b> to a subscriber in a network, said network including at least one programming origination station, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station transmitting said <b>units of programming</b> to said at least one subscriber station, said method comprising the steps of:</p> <p>receiving an information transmission containing a control signal from said origination station at said intermediate transmission station;</p> <p>detecting said control signal at said intermediate transmission station and passing said control signal to a computer; and</p> <p>controlling said intermediate transmission station based on said control signal to:</p> <p>select a portion of said <b>units of</b></p>			

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		<p><b>programming</b> based on operating records stored at said intermediate transmission station;</p> <p>receive said <b>units of programming</b> at said intermediate transmission station; communicate said selected a portion of said-<b>units of programming</b> to a storage location;</p> <p>store said selected a portion of said <b>units of programming</b> at said storage location; and</p> <p>alter said operating records stored at said intermediate transmission station to indicate at least one of reception and storage of said selected a portion of <b>units of programming</b>; and subsequently transmitting said selected a portion of said-<b>units of programming</b> to said at least one subscriber station.</p>			
41.	transmitting said television programming and said second signal from said intermediate	<p><u>'241 patent, claim 22:</u></p> <p>22. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p>	[AGREED]	[AGREED]	No construction necessary.

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
	<b>transmitter station to said receiver station</b>	<p>receiving said television programming at an origination station;</p> <p><b>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station;</b></p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted, said second signal including a control signal for controlling said receiver station;</p> <p>receiving at said intermediate transmitter station said television programming, said first signal and said second signal;</p> <p>detecting at least said first signal;</p> <p>comparing said first signal to said identification information;</p> <p><b>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station</b> based on said step of comparing;</p>			

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		<p>receiving at said receiver station said transmitted television programming and said second signal;</p> <p>outputting at said receiver station said received television programming in a multimedia presentation in response to said control signal included in said second signal.</p> <p><u>'241 patent, claim 30:</u>  30. A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:</p> <p>receiving said television programming at an origination station;</p> <p><b>transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station</b>, said second signal being a control signal;</p> <p>storing identification information at said intermediate transmitter station, said identification information designating programming to be transmitted;</p> <p>receiving at said intermediate transmitter</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>station said television programming, said first signal and said second signal;</p> <p>detecting said first signal at said intermediate transmitter station;</p> <p>comparing said first signal to said identification information;</p> <p><b>transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station</b> based on said step of comparing;</p> <p>receiving at said receiver station said television programming and said second signal;</p> <p>detecting said second signal at said receiver station;</p> <p>transferring at least a first portion of said second signal to a controllable device at said receiver station in response to a second portion of said second signal;</p> <p>controlling said controllable device at said receiver station to perform a function in response to said transferred at least a first</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		portion of said second signal; and  outputting on an output device at said receiver station said television programming.			
42.	<b>Preamble of claim 1 ('344 patent)</b>	<p><u>'344 patent, claim 1:</u>  1. A method for reprogramming a receiver station that receives television or radio programming, said receiver station having a data network connection to an external data network, a <b>processor</b>, an input device, and a data storage device, said method comprising the steps of:</p> <p>storing first operating instructions at said receiver station, executing said first operating instructions at said <b>processor</b> to perform a first function, said first operating instructions being different from permanent operating instructions permanently stored at said receiver station;</p> <p>generating a query at said receiver station, said query comprising a request by said receiver station for reprogramming;</p> <p>promulgating said query from said receiver station under control of said <b>processor</b> executing said first operating instructions through said data network connection to said</p>	[AGREED]	[AGREED]	Preamble of claim 1 of the '344 patent is limiting.

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>external data network;</p> <p>receiving second operating instructions different from both said permanent operating instructions and said first operating instructions in response to said step of promulgating said query, said second operating instructions for controlling operation of said <b>processor</b>, wherein said first and said second operating instructions do not include audio data, video data, image data and any combination thereof;</p> <p>reprogramming said <b>processor</b> with said received second operating instructions;</p> <p>performing a second function by executing said second operating instructions at said <b>processor</b>, said second function including controlling reception of signals required to output a video programming transmission;</p> <p>receiving said signals required to output said video programming transmission;</p> <p>processing said signals to enable the output of said video programming transmission; and</p> <p>outputting said video programming transmission for display to a viewer.</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
43.	<b>Preamble of all asserted claims ('528 patent)</b>	<p><u>'528 patent, claim 21:</u></p> <p>21. A method of controlling the display of television programming at a receiver station, wherein said receiver station includes a monitor for displaying said television programming, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>receiving an information transmission including a television signal;</p> <p>passing at least a portion of said information transmission to said processor;</p> <p>determining the absence of complete generated television image data by processing information at least one of included in and received with said television signal;</p> <p>determining a location of subsequent information for advancing to based on said step of determining the absence of complete generated television image data;</p> <p>advancing to the subsequent information</p>	[AGREED]	[AGREED]	Preambles of all asserted claims of the '528 patent are limiting.

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		<p>received in said information transmission; and</p> <p>preventing said monitor from displaying an incomplete television image based on said step of determining the absence of complete generate television image data, wherein said method controls the display of said television programming at said receiver station.</p> <p><u>'528 patent, claim 22:</u>  22. The method of claim 21, wherein:</p> <p>(a) at least a portion of an incomplete television image is received in said information transmission; and</p> <p>(b) said subsequent information is received in said information transmission following said at least a portion of said incomplete television image.</p> <p><u>'528 patent, claim 23:</u>  23. The method of claim 21, wherein said receiver station further includes a digital detector operatively connected to said processor, said method further comprising the step of:</p> <p>detecting at least one datum in said</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>information transmission designating a specific television image.</p> <p><u>'528 patent, claim 24:</u>  24. The method of claim 23, wherein said detected at least one datum designates said incomplete television image, said method further comprising the step of:</p> <p>detecting said subsequent information in said information transmission following said detected at least one datum.</p> <p><u>'528 patent, claim 25:</u>  25. The method of claim 24, wherein said step of advancing to subsequent information further comprises the step of:</p> <p>skipping to information received in said television signal following said at least one datum.</p> <p><u>'528 patent, claim 26:</u>  26. The method of claim 21, wherein a memory is operatively connected to said monitor and data of a television image are placed at a specific memory location at said memory, said method further comprising the one step of the group consisting of:</p>			

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		<p>clearing said memory following said step of determining the absence of complete generated television image data; and</p> <p>placing, at said memory location, data of a television image based on said step of advancing to subsequent information.</p> <p><u>'528 patent, claim 27:</u>  27. The method of claim 21, further comprising the step of:</p> <p>at least one of generating and communicating a complete television image to said monitor based on said step of advancing to subsequent information.</p> <p><u>'528 patent, claim 32:</u>  32. A method of controlling the display of television <b>programming</b> at a receiver station, wherein said receiver station includes a monitor for displaying television <b>programming</b>, a receiver operatively connected to said monitor, and a processor operatively connected to at least one of said monitor and said receiver, said method comprising the steps of:</p> <p>transmitting from a transmitter station an information transmission including a</p>			

Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>television signal;</p> <p>generating at least one control signal; and</p> <p>transmitting said at least one control signal, wherein said at least one control signal:</p> <p style="padding-left: 40px;">(a) effects said receiver station to determine the absence of complete generated television image data by processing information at least one of included in and received with said television signal; and</p> <p style="padding-left: 40px;">(b) prevents said monitor from displaying an incomplete television image based on said determining the absence of complete generate television image data, wherein said receiver station clears the incomplete television image data based on said information at least one of included in and received with said television signal.</p> <p><u>'528 patent, claim 37:</u>  37. The method of claim 32, wherein said receiver station includes a memory, said method further comprising the step of:</p>			



Term No.	Disputed Term	Language of Disputed Claims	PMC's Proposed Construction	Defendants' Proposed Construction	Court's Construction
		<p>including in said at least one control signal at least one datum which designates said incomplete television image</p> <p><u>'528 patent, claim 38:</u>  38. The method of claim 37, said method further comprising the step of transmitting a portion of said television programming</p> <p><u>'528 patent, claim 39:</u>  39. The method of claim 32, said method further comprising the step of:</p> <p>transmitting only part of said television programming.</p>			