

EXHIBIT A

U.S. Patent No. 6,895,118

U.S. Patent No. 6,895,118

#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
1	"resynchronization marker" (claim 1)	A number of bits in a data stream that cause reconstruction to occur for an excluded macroblock, not including a flag useful only for regions having a motion vector close to zero and for which the texture has not significantly changed	'118 patent at Abstract, col. 1:5-2:27, 3:50-6:40, 6:62-7:29, Figs. 1-4 and related text, claim 1. '118 patent File History, Notice of Allowance at pp. 1-3. "Geometric-Structure-Based Error Concealment with Novel Applications in Block-Based Low-Bit-Rate Coding" by Zeng and Lui T. Sikora, MPEG Digital Video Coding Standards, Digital Consumer Electronics Handbook (1997) S. Aramvith et al., MPEG-1 and MPEG-2 Video Standards, Image and Video Processing	"a sequence of bits that can be detected by a receiver when an error occurs in order to start reading the data stream again at that location"	<u>Intrinsic:</u> '118 patent at 1:38-56; 2:11-20; 3:50-4:9; 4:34-41; Fig. 2. <u>Extrinsic:</u> MPEG-4 Standard (1999). <i>See, e.g., id.</i> at pgs. 95, 99, 277-279. MPEG-2 Standard (1996). <i>See, e.g., id.</i> at pg. 23, 161, 166. J. Brailean, <i>Wireless Multimedia Utilizing MPEG-4 Error Resilient Tools</i> (1999). R. Talluri, <i>Error Resilient Video Coding in the ISO MPEG-4 Standard</i> (1998).

#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			Handbook (1999) Expert testimony from Dr. Dan Schonfeld.		A. Katsaggelos & N. Galatsanos, <i>Signal Recovery Techniques for Image and Video Compression and Transmission</i> (1998). <i>See, e.g., id.</i> at pgs. 162-163. F. Pereira <i>et al.</i> , <i>The MPEG-4 Book</i> (2003). <i>See, e.g., id.</i> at pgs. 345-350. Expert testimony from Prof. Aggelos Katsaggelos.
2	Alleged disclaimer in '118 patent specification at col. 4, ll. 47-65.	This is not a claim element; <i>see</i> "resynchronization marker"	'118 patent at Abstract, col. 1:5-2:27, 3:50-6:40, 6:62-7:29, Figs. 1-4 and related text, claim 1. '118 patent File History, Notice of Allowance at pp. 1-3. "Geometric-Structure-Based Error Concealment with Novel	"The exclusion of macroblocks from coding according to the invention does not entail the insertion of any specific flag and the exclusion of macroblocks	<u>Intrinsic</u> : '118 patent at 4:47-65. <u>Extrinsic</u> : MPEG-4 Standard (1999). <i>See, e.g., id.</i> at pgs. 101, 173, 209, .

#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>Applications in Block-Based Low-Bit-Rate Coding” by Zeng and Lui</p> <p>T. Sikora, MPEG Digital Video Coding Standards, Digital Consumer Electronics Handbook (1997)</p> <p>S. Aramvith et al., MPEG-1 and MPEG-2 Video Standards, Image and Video Processing Handbook (1999)</p> <p>Expert testimony from Dr. Dan Schonfeld.</p>	<p>from coding is thus possible for all modes of I, P or B coding.”</p>	<p>MPEG-2 Standard (1996). <i>See, e.g., id.</i> at pgs. 7, 21, 72, 85-86.</p> <p>MPEG-1 Standard (1993). <i>See, e.g., id.</i> at pgs. 9, 17, 37-38, 55, 93, 101.</p> <p>H.263 Standard (1996). <i>See, e.g., id.</i> at pgs. 13-14.</p> <p>H.263 Standard (1998). <i>See, e.g., id.</i> at pgs. 33-34.</p> <p>T. Sikora, <i>MPEG Digital Video-Coding Standards</i> (1997).</p> <p>F. Pereira et al., <i>The MPEG-4 Book</i> (2003). <i>See, e.g., id.</i> at pg. 165-166.</p> <p>Expert testimony from Prof. Aggelos Katsaggelos.</p>

U.S. Patent No. 6,584,229

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
1	"macroblock" (claim 1)	A block of image pixels grouped together for encoding and decoding, such as a 16x16 pixel block	<p>'229 patent at Abstract, col. 1:7-2:21, 2:36-3:39, 6:62-7:29, Fig. 1, claims 1-4</p> <p>'229 patent File History and references cited therein, Office action of 10-16-02; Amendment of 1-9-2003</p> <p>Chun et al, An Adaptive Preceptual Quantization Algorithm for Video Coding, IEEE Transactinos on Consumer Electronics, Vol. 39, No. 3 (Aug. 1993)</p> <p>J.W. Kim et al., On the Hierarchical Variable Block Size Motion Estimation Technique for Motion Sequence Coding (Dec. 1993)</p>	"a block of 16 x 16 pixels"	<p><u>Intrinsic:</u></p> <p>'229 patent at 1:25-31; 1:66-2:8; 2:42-44.</p> <p><u>Extrinsic:</u></p> <p>MPEG-1 Standard (1993). <i>See, e.g., id.</i> at pgs. vi, 17, 55, 75.</p> <p>MPEG-2 Standard (1996). <i>See, e.g., id.</i> at pgs. 5, 21-22.</p> <p>H.263 Standard (1996). <i>See, e.g., id.</i> at pgs. 5-7.</p> <p>J. L. Mitchell <i>et al.</i>, <i>MPEG Video Compression Standard</i> (1996). <i>See, e.g., id.</i> at pgs. 23-24.</p> <p>G. J. Sullivan & T. Wiegand, <i>Rate-Distortion Optimization</i></p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>T. Sikora, MPEG Digital Video Coding Standards, Digital Consumer Electronics Handbook (1997)</p> <p>S. Aramvith et al., MPEG-1 and MPEG-2 Video Standards, Image and Video Processing Handbook (1999)</p> <p>K. Dovstam, Video Coding in H.26L (April 2000)</p> <p>D. Marshall, Intra Frame Coding (Oct. 2001)</p> <p>R. Spicer, An Application Specific Low Bit-Rate Video Compression System Geared Towards Vehicle Tracking (Feb. 2000)</p> <p>Expert testimony of Dr. Oded Gottesman.</p>		<p><i>for Video Compression</i> (1998). <i>See, e.g., id.</i> at pgs. 75, 78.</p> <p>Expert testimony from Prof. Aggelos Katsaggelos.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
2	"dividing ... in a macroblock-by-macroblock basis" (claim 1)	Plain meaning.	<p>'229 patent at Abstract, col. 1:7-2:21, 2:36-3:39, 6:62-7:29, Fig. 1, claims 1-4</p> <p>'229 patent File History and references cited therein, Office action of 10-16-02; Amendment of 1-9-2003</p> <p>Chun et al, An Adaptive Preceptual Quantization Algorithm for Video Coding, IEEE Transactinos on Consumer Electronics, Vol. 39, No. 3 (Aug. 1993)</p> <p>J.W. Kim et al., On the Hierarchical Variable Block Size Motion Estimation Technique for Motion Sequence Coding (Dec. 1993)</p>	"dividing into regions that are defined as one or more macroblocks"	<p><u>Intrinsic:</u></p> <p>'229 patent at Abstract, 1:66-2:8; 2:42-44; 2:56-62; 3:10-19; Fig. 1.</p> <p><u>Extrinsic:</u></p> <p>Expert testimony from Prof. Aggelos Katsaggelos.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>T. Sikora, MPEG Digital Video Coding Standards, Digital Consumer Electronics Handbook (1997)</p> <p>S. Aramvith et al., MPEG-1 and MPEG-2 Video Standards, Image and Video Processing Handbook (1999)</p> <p>K. Dovstam, Video Coding in H.26L (April 2000)</p> <p>D. Marshall, Intra Frame Coding (Oct. 2001)</p> <p>R. Spicer, An Application Specific Low Bit-Rate Video Compression System Geared Towards Vehicle Tracking (Feb. 2000)</p> <p>Expert testimony of Dr. Oded Gottesman.</p>		

U.S. Patent No. 8,407,609

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
1	"computer system" (claim 1)	Plain and ordinary meaning	<p><u>Intrinsic:</u></p> <p>Abstract, 2:13-33 , 3:52-55, 3:65-4:21, 4:57-63, 8:37-9:3, 11:59-12:55;</p> <p>FIGS. 1, 7 and associated description;</p> <p>claim 1;</p> <p>Provisional application No. 61/090,672.</p> <p><u>Extrinsic:</u></p> <p>Expert testimony from Dr. Shamos.</p>	"a single computing device or a collection of computing devices having a common operator or under common control"	<p><u>Intrinsic:</u></p> <p>'609 patent at 3:52-55; 12:46-13:9.</p> <p><u>Extrinsic:</u></p> <p>Expert Testimony from Prof. Kevin Jeffay.</p>
2	Netflix and Roku proposed term for construction: "streamed" (claim 1)	Plain and ordinary meaning, <i>i.e.</i> , "transferred to be processed as a substantially steady or continuous stream	<p><u>Intrinsic:</u></p> <p>Abstract, 2:13-33, 12:16-14:8;</p> <p>FIGS. 9 and 10 and associated description;</p>	Netflix and Roku Construction: "streamed" means "transferred as a steady or continuous sequence"	<p><u>Intrinsic:</u></p> <p>'609 patent at 4:43-47; 5:22-25; 6:32-36; 7:23- 28; 12:16-35.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
	ABC proposed term for construction: “data is indicative of an amount of time the digital media presentation data is streamed from the second computer system to the user’s computer” (claim 1)	to permit presenting the data before all of the data has been transmitted”	Claims 1, 3; Amendment dated 8/2/2012 at 6-7; Provisional application No. 61/090,672. <u>Extrinsic:</u> Definition of “indicative,” Collins Dictionary of the English Language (2010) at 406; Definition of “indicative,” Little Oxford English Dictionary (2006) at 351; Definition of “indicative,” Merriam-Webster Collegiate Dictionary (2007) at 634;	ABC Construction: “data is streamed” means “data is transferred as a steady or continuous sequence”	<u>Extrinsic:</u> McGraw-Hill Dictionary of Scientific and Technical Terms, 2045 (6th Ed. 2003) The Oxford American College Dictionary, 1362 (2002) Random House Concise Dictionary of Science & Computers, 620 (2004) Dictionary of Computing, 510 (5th Ed. 2004) Expert Testimony from Prof. Kevin Jeffay.

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			Expert testimony from Dr. Shamos.		
3	"each stored data is together indicative of a cumulative time the corresponding web page was displayed by the user's computer" (claim 1)	Plain and ordinary meaning, <i>i.e.</i> , "the stored data collectively is indicative of a cumulative time the corresponding web page was displayed by the user's computer"	<p><u>Intrinsic:</u></p> <p>Abstract, 2:13-33, 12:16-14:8;</p> <p>FIGS. 9 and 10 and associated description;</p> <p>Claims 1, 2;</p> <p>Amendment dated 8/2/2012 at 6-7;</p> <p>Provisional application No. 61/090,672.</p> <p><u>Extrinsic:</u></p> <p>Definition of "indicative," Collins Dictionary of the English Language (2010) at 406;</p> <p>Definition of "indicative," Little</p>	<p>Netflix and Roku Construction: "the total time the corresponding web page was displayed by the user's computer is determined from two or more stored data entries"</p> <p>ABC Construction: "the total time the corresponding web page was displayed by the user's computer is determined from two or more stored data points"</p>	<p><u>Intrinsic:</u></p> <p>'609 patent at 7:30-38; 12:16-35; 13:10-14:8</p> <p>'609 patent prosecution history, Sept. 6, 2012 Response and Amendment</p> <p><u>Extrinsic:</u></p> <p>Expert Testimony from Prof. Kevin Jeffay.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			Oxford English Dictionary (2006) at 351; Definition of "indicative," Merriam-Webster Collegiate Dictionary (2007) at 634; Expert testimony from Dr. Shamos.		

U.S. Patent No. 9,721,273

U.S. Patent No. 9,721,273

#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
1	“presentation data that represents content of a first collection of . . . presentations” / “data representing content of the second collection of presentations” (claim 1)	Plain and ordinary meaning, <i>i.e.</i> , “data that represents to a user content of a first /second collection of [. . .] presentations”	<p><u>Intrinsic:</u></p> <p>Abstract, 2:15-3:11, 5:1-6:6, 6:21-7:63, 8:41-9:20, 10:56-12:29;</p> <p>FIGS. 2-6, 8 and associated description; Claim 1;</p> <p>Amendment dated 11/17/2015 at 5-6;</p> <p>Provisional application No. 61/090,680.</p> <p><u>Extrinsic:</u></p> <p>Definition of “collection,” Collins Dictionary of the English Language (2010) at 151.</p> <p>Definition of “collection,” Merriam-Webster Collegiate Dictionary (2007) at 243;</p> <p>Definition of “representation,” Oxford Dictionary of Computing (2008) at 434.</p> <p>Definition of “represent,” Collins Dictionary of the English Language (2010) at 698.</p>	“the data, or a portion of the data, of the audiovisual content itself within the first / second collection of presentations”	<p><u>Intrinsic:</u></p> <p>’273 patent at Title; Abstract; 5:1-6; 5:16-37; 6:24-37; 8:5-10.</p> <p>Appl. No. 61/090,672 at Abstract, ¶ 007.</p> <p><u>Extrinsic:</u></p> <p>Expert Testimony from Prof. Kevin Jeffay.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>Definition of “represent,” Little Oxford English Dictionary (2006) at 587;</p> <p>Definition of “represent,” Merriam-Webster Collegiate Dictionary (2007) at 1057;</p> <p>Expert testimony from Dr. Shamos.</p>		
2	“data indicative of the first collection of presentations so as to be associated with the presentation data” (claim 1)	Plain and ordinary meaning, <i>i.e.</i> , “data associating the first collection of presentations with the presentation data”	<p><u>Intrinsic:</u></p> <p>Abstract, 2:15-3:11, 5:1-6:6, 6:21-7:63, 8:41-9:20, 10:56-12:29;</p> <p>FIGS. 2-6, 8 and associated description;</p> <p>Claim 1;</p> <p>Amendment dated 11/17/2015 at 5-6;</p> <p>Provisional application No 61/090,680.</p> <p><u>Extrinsic:</u></p> <p>Definition of “indicative,” Collins Dictionary of the English Language (2010) at 406;</p> <p>Definition of “indicative,” Little Oxford English Dictionary (2006) at 351;</p> <p>Definition of “indicative,” Merriam-</p>	“metadata describing or categorizing the audiovisual content of the first collection”	<p><u>Intrinsic:</u></p> <p>’273 patent at 6:52-7:9; 7:32-43; 8:54-64; Figs. 2 and 3.</p> <p><u>Extrinsic:</u></p> <p>Expert Testimony from Prof. Kevin Jeffay.</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>Webster Collegiate Dictionary (2007) at 634;</p> <p>Definition of “collection,” Little Oxford English Dictionary (2006) at 125;</p> <p>Definition of “collection,” Merriam-Webster Collegiate Dictionary (2007) at 243;</p> <p>Expert testimony from Dr. Shamos.</p>		
3	“feed” (claim 1)	“a channel of automatically and periodically updated digital information”	<p><u>Intrinsic:</u></p> <p>Abstract, 2:15-3:11, 10:56-12:29;</p> <p>FIG. 8 and associated description;</p> <p>Claim 1;</p> <p>Amendment dated 11/17/2015 at 5-6;</p> <p>Provisional application No 61/090,680.</p> <p><u>Extrinsic:</u></p> <p>Definition of “data feed,” https://www.techopedia.com/definition/30320/data-feed;</p>	<p>“a document that utilizes a standardized format (e.g., RSS) to syndicate published Internet content”</p>	<p><u>Intrinsic:</u></p> <p>’273 patent at 0:63-11:3; 11:4-12:29.</p> <p>Appl. No. 61/090,684 at ¶¶ [0018], [0019].</p> <p><u>Extrinsic:</u></p> <p>E. Finkelstein, Syndicating Web Sites with RSS Feeds for Dummies</p>

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#	Term	Plaintiff's Construction	Evidence	Defendant's Construction	Evidence
			<p>Definition of “data feed,” https://en.wikipedia.org/wiki/Data_feed;</p> <p>Definition of “feed,” Oxford Dictionary of Computing (2008) at 191.</p> <p>Expert testimony from Dr. Shamos.</p>		<p>(2005). <i>See, e.g., id.</i> at pgs. 9-43.</p> <p>B. Hammersley, Developing Feeds with RSS and Atom (2005).</p> <p>Shelley Powers, What are Syndication Feeds? (2005).</p> <p>S. Murugesan, Understanding Web 2.0 (2007). <i>See, e.g., id.</i> at pgs. 35, 36, 39.</p> <p>Expert Testimony from Prof. Kevin Jeffay.</p>