UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.

Before the Honorable Cameron R. Elliot
Administrative Law Judge

In the Matter of **CERTAIN VIDEO CAPABLE ELECTRONIC DEVICES, INCLUDING COMPUTERS, STREAMING DEVICES, TELEVISIONS, CAMERAS, AND COMPONENTS AND MODULES THEREOF**	**Inv. No. 337-TA-1380**

RESPONDENTS' JOINT NOTICE OF PRIOR ART

Pursuant to Order No. 11 (Procedural Schedule) and Ground Rule 5.1, and based on the claims asserted by Complainants Nokia Technologies OY and Nokia Corporation (collectively "Nokia" or "Complainants") or as a basis for their alleged domestic industry, Respondents Amazon.com, Inc. and Amazon.com Services LLC (collectively, "Amazon") and HP Inc. ("HP") (collectively, "Respondents"), submit this Notice of Prior Art ("Notice"), including the attached Appendix A. Respondents may rely on the prior art identified in Appendix A to this Notice with respect to U.S. Patent Nos. 7,724,818 ("'818 patent"); 10,536,714 ("'714 patent"); 11,805,267 ("'267 patent"); 8,077,991 ("'991 patent"); and 8,050,321 ("'321 patent") (collectively the "Asserted Patents"), as invalidating prior art under 35 U.S.C. §§ 102 or 103, as anticipatory or, as rendering obvious (alone or in combination), as proof of an invalidating prior use, sale, or offer for sale of, or to otherwise invalidate one or more claims of the Asserted Patents.

Respondents may also rely on the references, products, and persons listed in Appendix A or other references, products, and persons for other purposes, including showing the state of the art during the relevant time periods and the information that would have been known to one of ordinary skill in the art. Respondents also may rely upon the persons identified herein as the prior inventors or as persons having knowledge of or having previously used or offered for sale the alleged inventions of the Asserted Patents. Respondents also reserve their right to rely upon Complainants' employees, former employees, consultants and/or other persons affiliated with Complainants who may have knowledge of, or have previously used or offered for sale, the alleged inventions of the Asserted Patents and whose identities, knowledge, and whereabouts are within Complainants' possession, custody, and control.

In addition to the references, products, and persons listed in Appendix A to this Notice, Respondents may rely upon prior art that is or was: (1) referenced in the Asserted Patents or the prosecution history of the Asserted Patents; (2) identified or produced by Complainants in this Investigation; (3) identified as a hearing exhibit by any party; (4) contained within any patent or patent prosecution history that is related to one or more of the Asserted Patents, including foreign counterparts; (5) identified, considered, or relied upon by the inventors of the Asserted Patents, whether or not cited in any prosecution history; (6) cited in any of the references identified in Appendix A to this Notice, any related patents, or any patent prosecution history for such patents; (7) cited in any expert report served during this Investigation; or (8) identified in any of the other Notices of Prior Art served in this Investigation. Respondents also may rely upon documents and information that are not prior art, and therefore need not be identified in this Notice, for other purposes such as evidence of inherency in any of the prior art identified, establishing the prior art as prior art (e.g., documents establishing the sales dates of prior art products), or establishing the knowledge of one of ordinary skill in the art or how one of ordinary skill in the art would interpret any disclosure in any prior art reference or Asserted Patent.

Discovery in this Investigation from Complainants and third parties is ongoing including, without limitation, the following: (1) Complainants corporate representatives have not yet been deposed (2) the named inventors of the Asserted Patents have not yet been deposed; (3) Complainants have not provided final infringement, validity, or technical domestic industry contentions; and (4) expert reports have not been exchanged and expert discovery has not commenced. Accordingly, Respondents reserve the right to supplement, amend, or otherwise modify this Notice as necessary based upon Complainants' contentions, further discovery and investigation, review of newly or yet-to-be produced documents, any discovery provided by third parties, and the disclosures of witnesses not yet deposed. Respondents reserve the right to amend and/or supplement this Notice of Prior Art and the attached Appendix A to identify prior art references, products, and persons that may be discovered after the date of this notice or to identify additional prior art that may be rendered material based upon positions Complainants or their expert witnesses may adopt in this Investigation, or if Complainants rely on any claims, for any purpose, that have not been identified to date. Respondents also reserve the right to amend this Notice should it be discovered that a reference cited during prosecution of an Asserted Patent (or a foreign counterpart or family member of an Asserted Patent) was omitted from the following list through inadvertence.

Respondents' Notice of Prior Art is based on the priority dates set forth in Respondents' initial invalidity contentions. *See* Respondents Joint Disclosure of Initial Invalidity Contentions in Response to Individual Interrogatory Nos. 10-12 (served on February 15, 2024). Complainants have not met their burden of showing on a claim-by-claim basis that they are entitled to a priority date earlier than any of those dates.

Respondents may assert defenses that, if successful, could potentially result in one or more of the asserted claims not being entitled to the priority dates asserted by Complainant. In the event one or more of the asserted claims is not entitled to such priority date, Respondents reserve the right to rely on intervening prior art including other related patents and published applications, intervening standards, as well as prior art not listed in Appendix A.

Each patent, patent application publication, non-patent publication, and product listed in Appendix A includes and incorporates all references cited therein, regardless of whether a cited reference appears separately in Appendix A.

Respondents may also rely on non-prior-art grounds of invalidity for and/or unenforceability of the Asserted Patents. Respondents incorporate by reference herein their interrogatory responses, contentions, and defenses concerning these grounds of unenforceability and invalidity, including, without limitation, Respondents Joint Disclosure of Initial Invalidity Contentions in Response to Individual Interrogatory Nos. 10-12 and supplements and amendments thereto.

Dated: March 22, 2024

Respectfully submitted,

/s/ Robin L. Brewer

Veronica S. Ascarrunz
Perkins Coie LLP
700 13th Street, NW, Suite 800
Washington, DC 20005-3960
(202) 654-6200

Stefani E. Shanberg
Robin L. Brewer
Perkins Coie LLP
505 Howard Street, Suite 1000
San Francisco, California 94105-3204
(415) 344-7000

Thomas N. Millikan
Perkins Coie LLP

11452 El Camino Real, Suite 300
San Diego, CA 92130-2080
(858) 720-5700

Stephen S. Korniczky
Martin R. Bader
Sheppard, Mullin, Richter & Hampton LLP
12275 El Camino Real, Suite 100
San Diego, CA 92130-4092
(858) 720-8900

Counsel for Respondents Amazon.com, Inc. and Amazon.com Services LLC

/s/ Zachary D. Miller

Eric S. Namrow
Stephanie L. Roberts
Kandis C. Gibson
Manu Bansal Ph.D.
Kevin J. Spinella
Eunjean Je
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Ave, N.W.
Washington, D.C. 20004-2541
Telephone: (202) 739-3000
Facsimile: (202) 739-3001

David J. Levy
Rick L. Rambo
Thomas R. Davis
Morgan, Lewis & Bockius LLP
1000 Louisiana Street, Suite 4000
Houston, TX 77002-5005
Telephone: (713) 890-5000
Facsimile: (713) 890-5001

Zachary D. Miller
Morgan, Lewis & Bockius LLP
110 North Wacker Drive
Chicago, IL 60606
Telephone: (312) 324-1706
Facsimile: (312) 324-1001

Jason E. Gettleman
Corey R. Houmand
Morgan, Lewis & Bockius LLP

1400 Page Mill Road
Palo Alto, CA 94304
Telephone: (650) 843-4000
Facsimile: (650) 843-4001

Counsel for Respondent HP Inc.

Appendix A-1

Patents and Patent Applications as Prior Art to the '818, '321, '991, '714, and '267 Patents

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	5,473,376	Method and apparatus for adaptive entropy encoding/decoding of quantized transform coefficients in a video compression system	12/1/1994	12/5/1995	Auyeung
US	5,504,484	Variable-length data alignment apparatus for digital video data	11/8/1993	4/2/1996	Wilson
US	5,515,107	Method of encoding a stream of motion picture data	3/30/1994	5/7/1996	Chiang
US	5,767,799	Low power high speed mpeg video variable length decoder	12/5/1995	6/16/1998	Maertens
US	5,838,265	Method, encoder and decoder for resynchronization to a data stream which contains errors	5/23/1996	11/17/1998	Adolph
US	6,157,745	Method and system for coding and decoding a sequence of segmented images	9/6/1996	12/5/2000	Salembier
US	6,414,608	Variable length code decoding device, digital broadcast receiving apparatus, and dvd reproducing apparatus	5/31/2000	7/2/2002	Nishida

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	6,501,480	Graphics accelerator	11/9/1999	12/31/2002	MacInnis
US	6,539,059	Apparatus and method for efficiently scalable digital video decoding	3/2/2000	3/25/2003	Sriram
US	6,646,578	Context adaptive variable length decoding system and method	11/22/2002	11/11/2003	Au
US	7,072,393	Multiple parallel encoders and statistical analysis thereof for encoding a video sequence	6/25/2001	7/4/2006	Boice
US	7,227,901	Low-complexity deblocking filter	11/21/2002	6/5/2007	Joch
US	7,277,901	Collaborative file update system	10/31/2003 Claims priority to a provisional application dated 7/10/2003	10/2/2007	Parker
US	7,787,539	Decoding and presentation time stamps for mpeg-4 advanced video coding	1/9/2003 Claims priority to a provisional application dated 7/17/2002	8/31/2010	Chen
US	2001/0001614	Adaptive encoding of a sequence of still frames or partially still frames within motion video	3/20/1998	5/24/2001	Boice

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2001/0005398	Method and a decoder for decoding mpeg video	12/27/2000	6/28/2001	Kono
US	2002/0114397	Stream processing apparatus and method	7/8/1999	8/22/2002	Todo
US	2003/0012275	Multiple parallel encoders and statistical analysis thereof for encoding a video sequence	6/25/2001	1/16/2003	Boice
US	2004/0008766	Random access points in video encoding	4/28/2003	1/15/2004	Wang
US	2004/0008786	Adaptive weighting of reference pictures in video encoding	4/9/2003	1/15/2004	Boyce
US	2004/0010802	Generic adaptation layer for jvt video	4/28/2003	1/15/2004	Visharam
US	2004/0013202	Method and device for indicating quantizer parameters in a video coding system	4/23/2003	1/22/2004	Lainema
US	2004/0161033	Moving picture coding method and moving picture decoding method	2/13/2004	8/19/2004	Notoya
US	2004/0199565	Method and apparatus for supporting advanced coding formats in media files	2/21/2003	10/7/2004	Visharam

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	7,660,356	Compressed video format with partial picture representation	10/22/2002 Claims priority to a provisional application dated on October 2, 2002	Published: 4/8/2004 Issued: 2/9/2010	Linzer
EP	0322123	A method of operating an electronic information processing system for managing documents therein	11/29/1988	6/28/1989	Macphail
EP	0634868	Image signal encoding method, image signal encoder, image signal decoding method, image signal decoder, and image signal recording medium	1/19/1994	1/18/1995	Yagasaki
EP	1122955	Method and device for seamless-decoding video stream including streams having different frame rates	3/29/2000	8/8/2001	Goto
JP	10229558	Coder for moving image information	2/14/1997	8/25/1998	Sasaki
WO	0215589	Video coding	8/9/2001	2/21/2002	Hannuksela

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
WO	9205556	Record carrier on which a main data file and a control file have been recorded, method of and device for recording the main data file and the control file, and device for reading the record carrier	9/18/1991	4/2/1992	Timmermans
WO	9933273	Low noise encoding and decoding method	12/23/1997	7/1/1999	Yu
US	4,390,966	Sequence controller	7/15/1980	6/28/1983	Kawashima
US	5,122,875	An hdtv compression system	2/27/1991	6/16/1992	Raychaudhuri
US	5,144,426	Motion compensated prediction interframe coding system	10/12/1990	9/1/1992	Tanaka
US	5,148,272	Apparatus for recombining prioritized video data	2/27/1991	9/15/1992	Acampora
US	5,461,420	Apparatus for coding and decoding a digital video signal derived from a motion picture film source	9/17/1993	10/24/1995	Yonemitsu
US	5,543,847	Picture coding and decoding method for random accessing	12/13/1993	8/6/1996	Kato
US	5,642,460	High efficiency coding recording and reproducing apparatus	7/25/1994	6/24/1997	Shimoda

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	5,680,322	Method and apparatus for dynamic image data transmission	5/26/1995	10/21/1997	Shinoda
US	5,699,476	Method and apparatus for transmitting and/or storing a series of hierarchically encoded digital image data blocks	5/9/1996	12/16/1997	Van Der Meer
US	5,774,593	Automatic scene decomposition and optimization of mpeg compressed video	2/26/1997	6/30/1998	Zick
US	5,786,858	Method of encoding image signal, apparatus for encoding image signal, method of decoding image signal, apparatus for decoding image signal, and image signal recording medium	10/7/1996	7/28/1998	Yagasaki
US	5,838,265	Method, encoder and decoder for resynchronization to a data stream which contains errors	5/23/1996	11/17/1998	Adolph
US	5,852,630	Method and apparatus for a radsl transceiver warm start activation procedure with precoding	3/30/1998	12/22/1998	Langberg

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	5,877,812	Method and apparatus for increasing channel utilization for digital video transmission	11/21/1995	3/2/1999	Krause
US	5,949,953	Disk media, and method of and device for recording and playing back information on or from a disk media	7/3/1997	9/7/1999	Shirakawa
US	5,956,741	Interface for connecting a bus to a random access memory using a swing buffer and a buffer manager	10/15/1997	9/21/1999	Jones
US	6,058,240	Hdtv trick play stream derivation for vcr	4/11/1997	5/2/2000	McLaren
US	6,072,831	Rate control for stereoscopic digital video encoding	7/15/1997	6/6/2000	Chen
US	6,094,456	Compact image transmission system and image reproducing device capable of reproducing a dct-based code at a high speed without deterioration of picture quality	8/7/1998	7/25/2000	Ueda
US	6,108,382	Method and system for transmission of video in an asynchronous transfer mode network	2/6/1998	8/22/2000	Gringeri
US	6,122,317	Motion vector detector	11/20/1997	9/19/2000	Hanami

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	6,233,356	Generalized scalability for video coder based on video objects	7/7/1998	5/15/2001	Haskell
US	6,266,158	Image encoding/decoding device and method	1/21/1998	7/24/2001	Hata
US	6,307,886	Dynamically determining group of picture size during encoding of video sequence	1/20/1998	10/23/2001	Westermann
US	6,314,139	Method of inserting editable point and encoder apparatus applying the same	9/1/1998	11/6/2001	Koto
US	6,337,881	Multimedia compression system with adaptive block sizes	3/23/2000	1/8/2002	Chaddha
US	6,359,911	Mpeg-2 transport demultiplexor architecture with non-time-critical post-processing of packet information	12/4/1998	3/19/2002	Movshovich
US	6,363,208	Digital signal reproduction method and apparatus	3/10/1998	3/26/2002	Nitta
US	6,427,150	System and method for digital data communication	1/5/2000	7/30/2002	Oashi
US	6,483,875	Picture signal processing apparatus	6/19/1997	11/19/2002	Hasebe
US	6,496,980	Method of providing replay on demand for streaming digital multimedia	12/7/1998	12/17/2002	Tillman

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	6,510,553	Method of streaming video from multiple sources over a network	10/26/1998	1/21/2003	Hazra
US	6,614,936	System and method for robust video coding using progressive fine-granularity scalable (pfgs) coding	12/3/1999	9/2/2003	Wu
US	6,639,943	Hybrid temporal-snr fine granular scalability video coding	6/9/2000	10/28/2003	Radha
US	6,754,271	Temporal slice persistence method and apparatus for delivery of interactive program guide	10/10/2000	6/22/2004	Gordon
US	6,754,905	Data structure and methods for providing an interactive program guide	4/15/1999	6/22/2004	Gordon
US	6,907,073	Tweening-based codec for scaleable encoders and decoders with varying motion computation capability	12/6/2000	6/14/2005	Sawhney
US	6,909,743	Method for generating and processing transition streams	10/29/1999	6/21/2005	Ward
US	6,912,351	Method and device for condensed image recording and reproduction	10/19/1998	6/28/2005	Kim

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	6,920,178	Method switching the video component(s) of a first digital, audio-visual program onto the video components of a second audio-visual digital, video-audio program to compensate their phase-shift	7/16/2001	7/19/2005	Curet
US	6,940,904	Artifact-free displaying of mpeg-2 video in the progressive-refresh mode	5/29/2001	9/6/2005	Chen
US	6,973,130	Compressed video signal including information for independently coded regions	4/25/2000	12/6/2005	Wee
US	7,263,720	Video player with code sensor	11/25/2000	8/28/2007	Lapstun
US	7,103,669	Video communication method and system employing multiple state encoding and path diversity	2/16/2001	9/5/2006	Apostolopoulos
US	2001/0024472	Computer system and process for capture, editing and playback of motion video compressed using interframe and intraframe techniques	12/11/2000	9/27/2001	Sporer
US	2001/0040700	Video coding	5/15/2001	11/15/2001	Hannuksela

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2002/0051621	Instant replay of digital video optimized using non mpeg frame tags	6/15/2001	5/2/2002	Cuccia
US	2002/0071485	Video coding	8/21/2001	6/13/2002	Caglar
US	2002/0097800	Video coding method and corresponding encoder	11/21/2001	7/25/2002	Ramanzin
US	2003/0039308	First pass encoding of i and p-frame complexity for compressed digital video	8/15/2001	2/27/2003	Wu
US	2003/0063806	Systems and methods for reducing error propagation in a video data stream	3/5/2002 Claims priority to provisional applications dated 3/5/2001, 3/14/2001, and 4/25/2001	4/3/2003	Kim
CN	1173783	System and method for updating system time constant (stc) counter following discontinuity in mpeg-2 transport data stream	3/31/1997	2/18/1998	Naimpally
EP	0798932	MPEG-2 transport decoder	3/24/1997	6/7/2006	Naimpally
EP	0898427	Moving image estimating system	1/22/1998	2/24/1999	Sekiguchi
EP	0966161	Apparatus and method for video encoding and decoding	6/18/1999	12/22/1999	Nagumo
EP	1005232	Rate control for an MPEG	10/25/1999	2/6/2008	Wang

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		transcoder without a priori knowledge of picture type			
JP	04348690	Picture storage transmitter	5/27/1991	12/3/1992	Tanaka
JP	08265694	Encoded data decoding method and device	12/30/1995	10/11/1996	Yonemitsu
JP	10271511	Image encoder and image decoder	5/21/1997	10/9/1998	Hata
JP	11177987	Video information processing device and method	12/10/1997	7/2/1999	Yoneda
JP	11275576	Image transmission method, image processing method, image processor and data storage medium	1/22/1999	10/8/1999	Bun
JP	2000059783	Image data processor and its method, and providing medium	7/15/1998	2/25/2000	Tawara
JP	3158064	Video encoding device and video decoding device	1/23/1997	4/23/2001	Katada
RU	2123769	Method and device for encoding images and information medium for storing images	4/11/1994	12/20/1998	Tsuesi
RU	2137197	Information carrier for protection of articles with identification contrast image against faking	11/20/1998	9/10/1999	Rakhovskij
WO	0022820	Method and apparatus for providing VCR-type controls for	10/7/1999	4/20/2000	Pejhan

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		compressed digital video sequences			
WO	0067469	Data transmission	4/26/2000	11/9/2000	Hannuksela
WO	0147283	Video compression for multicast environments using spatial scalability and simulcast coding	4/10/2000	6/28/2001	Wan
WO	0184850	Video compression	4/13/2001	11/8/2001	Bruls
WO	02054776	Switching between bit-streams in video transmission	1/3/2002	7/11/2002	Karczewicz
US	4,125,861	Video signal encoding	8/18/1977	11/14/1978	Mounts
US	4,723,161	Method and arrangement of coding digital image signals utilizing interframe correlation	3/19/1986	2/2/1988	Koga
US	5,598,214	Hierarchical encoding and decoding apparatus for a digital image signal	9/28/1994	1/28/1997	Kondo
US	5,751,359	Method for quantizing compressed video signals	3/14/1996	5/12/1998	Suzuki
US	5,912,815	Local relaxation method for estimating optical flow	3/14/1997	6/15/1999	Kim
US	6,233,279	Image processing method, image processing apparatus, and data storage media	5/28/1999	5/15/2001	Boon
US	6,243,497	Apparatus and method for optimizing the rate	2/11/1998	6/5/2001	Chiang

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		control in a coding system			
US	6,256,717	Data access controller and data access control method	3/31/2000	7/3/2001	Inoue
US	6,333,949	Video coding apparatus and decoding apparatus	12/29/1999	12/25/2001	Nakagawa
US	6,498,810	Method for motion vector coding of MPEG-4	4/24/1998	12/24/2002	Kim
US	6,690,307	Adaptive variable length coding of digital video	2/10/2004	1/22/2002	Karczewicz
US	6,697,427	Methods and apparatus for improved motion estimation for video encoding	11/2/1999	2/24/2004	Kurak
US	6,950,473	Hybrid Technique for Reducing Blocking and Ringing Artifacts in Low-Bit-Rate Coding	6/21/2002	9/27/2005	Kim
US	7,369,709	Conditional lapped transform	8/31/2004	5/6/2008	Hsu
US	7,496,141	Adaptive de-blocking filtering apparatus and method for mpeg video decoder	4/29/2004	2/24/2009	Kwon
US	7,760,964	Method and architecture for temporal-spatial deblocking and deflickering with expanded frequency filtering in compressed domain	11/1/2006	7/20/2010	Wang

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	7,848,445	Multiantenna communication apparatus and multiantenna communication system	5/25/2006	12/7/2010	She
US	8,045,821	Coding method conversion apparatus	2/14/2008	10/25/2011	Tasaka
US	8,155,189	System and method of coding mode decision for video encoding	10/19/2005	4/10/2012	Yan
US	8,194,989	Method and apparatus for encoding and decoding image using modification of residual block	2/15/2008	6/5/2012	Lee
US	8,213,508	Complexity scalable video encoding	3/31/2005 Claims priority to a provisional application dated 4/02/2004	7/3/2012	Boyce
US	8,422,546	Adaptive video encoding using a perceptual model	5/25/2005	4/16/2013	Lin
US	8,908,766	Computer method and apparatus for processing image data	1/4/2008 Claims priority to provisional applications dated 1/23/2007, 6/9/2006, 3/31/2005, and 4/13/2005	12/9/2014	Pace

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	9,077,960	Non-Zero Coefficient Block Pattern Coding	8/12/2005	7/7/2015	Srinivasan
US	9,749,660	Adaptive coding of a prediction error in hybrid video coding	12/22/2006 Claims priority to a provisional application dated 1/9/2006	8/29/2017	Narroschke
US	2004/0151252	Digital signal encoding device, digital signal decoding device, digital signal arithmetic encoding method and digital signal arithmetic decoding method	12/9/2003	8/5/2004	Sekiguchi
US	2005/0152611	Video/image coding method and system enabling region-of-interest	1/13/2005	7/14/2005	Lee
US	2006/0153301	Nonlinear, In-the-Loop, Denoising Filter for Quantization Noise Removal for Hybrid Video Compression	1/12/2006	7/13/2006	Guleryuz
US	2007/0047648	Method and apparatus for encoding hybrid intra-inter coded blocks	8/24/2004	3/1/2007	Tourapis
US	2007/0064795	Apparatus and method for coding and decoding image	9/8/2006	3/22/2007	Cho
US	2007/0064797	Integrated spatial-temporal prediction	9/16/2005	3/22/2007	Miao

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2007/0071092	System and method for open loop spatial prediction in a video encoder	5/16/2006	3/29/2007	Chin
US	2007/0086515	Spatial and snr scalable video coding	12/8/2004	4/19/2007	Kirkenko
US	2007/0121731	Image encoding/image decoding method and image encoding/image decoding apparatus	11/29/2006	5/31/2007	Tanizawa
US	2007/0140339	Transform domain based distortion cost estimation	12/19/2005	6/21/2007	Bhaskaran
US	2007/0183508	Image decoding device and image encoding device	8/2/2005	8/9/2007	Kudo
US	2008/0225947	Quantization for hybrid video coding	3/13/2007	9/18/2008	Narroschke
US	2011/0038410	Adaptive coding of a prediction error in hybrid video coding	12/22/2006	2/17/2011	Narroschke
DE	10200901	Method for scalable video encoding feeds each incoming signal with video image data to multiple encoders with quantizers for quantizing the signal at different levels of resolution and for applying entropic coding.	1/11/2002	5/22/2003	Illgner

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
EP	0123456	Combined intraframe and interframe transform coding method	3/28/1984	10/31/1984	Chen
EP	1021043	Object-based coding and decoding apparatuses and methods for image signals	3/3/1999	7/19/2000	Chung
JP	2007028034	Scalable encoding method and device, scalable decoding method and device and these program and their recording media	7/14/2005	2/1/2007	Bando
JP	2002152049	Data processing apparatus and data processing method	5/9/2001	5/24/2002	Pelly
JP	2002191051	Compression system, monitor system, and method for detecting scene change	9/6/2001	7/5/2002	Burt
KR	20040099086	A image encoding/decoding methods and apparatus using residue prediction of image	10/18/2003	11/26/2004	Kim
WO	0027128	Methods and apparatus for improved motion estimation for video encoding	11/2/1999	5/11/2000	Kurak
WO	2006055512	Apparatus and method for processing video data	11/16/2005	5/26/2006	Weiss

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
WO	2006080797	Multilayer video encoding/decoding method using residual re-estimation and apparatus using the same	1/25/2006	3/8/2006	Lee
WO	9907154	Method and apparatus for compression of video images and image residuals	5/20/1998 Claims priority to 7/28/1997	2/11/1999	Martens
US	8,953,689	Decoding method and apparatus with candidate motion vectors	5/29/2012 Claims priority to a provisional application dated 5/31/2011	2/10/2015	Sugio
US	8,989,271	Decoding method and apparatus with candidate motion vectors	5/29/2012 Claims priority to a provisional application dated 5/31/2011	3/24/2015	Sugio
US	9,066,110	Parsing friendly and error resilient merge flag coding in video coding	3/5/2012 Claims priority to a provisional application dated 3/8/2011	6/23/2015	Zhou
US	9,161,036	Image decoding method and image decoding apparatus	3/28/2014 Claims priority to PCT application dated	10/13/2015	Sugio

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			9/21/2012 and a provisional application dated 10/5/2011		
US	9,165,379	Method for encoding and decoding video, and apparatus using same	9/2/2011	10/20/2015	Lim
US	9,204,162	Method and apparatus for encoding motion information, and method and apparatus for decoding same	2/13/2015 Claims priority to a PCT application dated 6/27/2012 and a provisional application dated 6/27/2011	12/1/2015	Lee
US	9,300,963	Method and apparatus for parsing error robustness of temporal motion vector prediction	1/19/2012 Claims priority to provisional applications dated 3/14/2011 and 6/28/2011	3/29/2016	Lin
US	9,307,239	Method and apparatus for derivation of motion vector candidate and motion vector prediction candidate	3/13/2012 Claims priority to provisional applications dated 3/14/2011, 3/17/2011,	4/5/2016	Lin

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			and 4/18/2011		
US	9,313,494	Parallelization friendly merge candidates for video coding	6/18/2012 Claims priority to provisional applications dated 6/20/2011, 10/4/2011, 11/7/2011, 11/21/2011, and 11/22/2011	4/12/2016	Zheng
US	9,544,611	Apparatus for decoding moving picture	9/21/2012 Claims priority to PCT Application dated 8/12/2011	1/10/2017	Oh
US	9,565,447	Method and apparatus for encoding and decoding motion vector based on reduced motion vector predictor candidates	1/19/2011 Claims priority to a provisional application dated 1/19/2010	2/7/2017	Lee
US	9,866,859	Inter-prediction candidate index coding independent of inter-prediction candidate list construction in video coding	6/14/2012 Claims priority to provisional applications dated 6/14/2011, 6/27/2011, and 7/5/2011	1/9/2018	Zhou
US	9,918,101	Method for encoding and	4/21/2015	3/13/2018	Park

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		decoding image information and device using same	Claims priority to a PCT application dated 1/6/2012 and provisional applications dated 1/7/2011, 3/6/2011, and 10/4/2011		
US	9,924,193	Picture coding supporting block merging and skip mode	5/2/2013 Claims priority to a provisional application dated 11/4/2010	3/20/2018	Schwarz
US	9,992,511	Method for video coding and an apparatus	10/21/2011	6/5/2018	Bici
US	10,063,876	Method and apparatus for removing redundancy in motion vector predictors	6/12/2012 Claims priority to a provisional application dated 6/24/2011	8/28/2018	Lin
US	10,887,585	Image decoding method, image coding method, image decoding appar8,014atus, image coding apparatus, and image coding and decoding apparatus	5/29/2015 Claims priority to a provisional application dated 6/30/2011	1/5/2021	Sugio
US	11,218,708	Picture decoding method for decoding using a	10/16/2012	1/4/2022	Sugio

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		merging candidate selected from a first merging candidate derived using a first derivation process and a second merging candidate derived using a second derivation process	Claims priority to a provisional application dated 10/19/2011		
US	2004/0234144	Image encoding device, image decoding device, image encoding method, image decoding method, image encoding program, and image decoding program	2/18/2004	11/25/2004	Sugimoto
US	2007/0189389	Method for coding a video image taking into account the part relating to a component of a movement vector	2/26/2004	8/16/2007	Boisson
US	2008/0095408	Imaging apparatus and method thereof	10/22/2007	4/24/2008	Yokohata
US	2008/0159401	Method and apparatus for estimating motion vector using plurality of motion vector predictors, encoder, decoder, and decoding method	12/27/2007	7/3/2008	Lee
US	2008/0232642	System and method for 3-d recursive search motion estimation	3/20/2007	9/25/2008	Chang
US	2010/0220790	Method and an apparatus for	10/16/2008	9/2/2010	Jeon

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		processing a video signal			
US	2011/0013697	Motion vector prediction method, and apparatus and method for encoding and decoding image using the same	7/20/2010	1/20/2011	Choi
US	2011/0170602	Method and apparatus for encoding and decoding motion vector	1/14/2011	7/14/2011	Lee
US	2011/0176013	Method to estimate segmented motion	1/19/2010	7/21/2011	Robertson
US	2011/0176612	Motion prediction method	12/1/2010	7/21/2011	Tsai
US	2011/0176615	Method and apparatus for encoding and decoding motion vector based on reduced motion vector predictor candidates	1/19/2011	7/21/2011	Lee
US	2011/0182362	Method and apparatus for motion vector encoding/decoding using a plurality of motion vector estimations, and method and apparatus for image encoding/decoding using same	9/28/2009	7/28/2011	Kim
US	2011/0194608	Managing predicted motion vector candidates	2/7/2011	8/11/2011	Rusert
US	2011/0194609	Selecting predicted motion vector candidates	2/7/2011	8/11/2011	Rusert

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			Claims priority to a provisional application dated 2/5/2010		
US	2011/0249721	Variable length coding of coded block pattern (cbp) in video compression	4/11/2011 Claims priority to provisional applications dated 4/12/2010, 9/24/2010, 4/13, 2010, and 7/15, 2010	10/13/2011	Karczewicz
US	2012/0128067	Apparatus and method of Constrained partition size for high Efficiency video coding	1/25/2011	5/24/2012	Liu
US	2012/0134415	Method and apparatus of extended motion vector predictor	4/18/2011 Claims priority to provisional applications dated 11/19/2010 and 1/11/2011	5/31/2012	Lin
US	2012/0134416	Method and apparatus for derivation of MV/MVP candidate for inter/skip/merge modes	8/10/2011 Continuation in part of application filed 4/18/2011 and claims	5/31/2012	Lin

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			priority to a provisional dated 11/29/2010, 1/11/2011, and 3/14/2011		
US	2012/0230408	Parsing friendly and error resilient merge flag coding in video coding	3/5/2012 Claims priority to a provisional application dated 3/8/2011	9/13/2012	Zhou
US	2012/0257678	Parallel motion estimation in video coding	4/3/2012 Claims priority to provisional applications dated 4/11/2011 and 5/3/2011	10/11/2012	Zhou
US	2012/0269270	Motion vector prediction in video coding	4/19/2012 Claims priority to provisional applications dated 4/20/2011 and 7/28/2011	10/25/2012	Chen
US	2012/0300846	Image coding method, image coding apparatus, image decoding method, image decoding apparatus, and image coding and decoding apparatus	5/22/2012 Claims priority to a provisional application dated 5/24/2011	11/29/2012	Sugio

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2012/0307905	Method and apparatus for encoding/decoding a motion vector by selecting a set of predicted candidate motion vectors, and method and apparatus for image encoding/decoding using the same	11/8/2010	12/6/2012	Kim
US	2012/0320984	Inter-prediction candidate index coding independent of inter-prediction candidate list construction in video coding	6/14/2012 Claims priority to provisional applications dated 6/14/2011, 6/14/2011, and 7/5/2011	12/20/2012	Zhou
US	2013/0003850	Image decoding method, image coding method, image decoding apparatus, image coding apparatus, and image coding and decoding apparatus	6/28/2012 Claims priority to a provisional application dated 6/30/2011	1/3/2013	Sugio
US	2013/0004092	Image decoding method, image coding method, image decoding apparatus, image coding apparatus, and image coding and decoding apparatus	6/28/2012 Claims priority to a provisional application dated 6/30/2011	1/3/2013	Sasai
US	2013/0022127	Method and apparatus for processing video signal	4/8/2011	1/24/2013	Park

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2013/0070855	Hybrid motion vector coding modes for video coding	9/13/2012 Claims priority to a provisional application dated 9/17/2011	3/21/2013	Zheng
US	2013/0077691	Parallelization friendly merge candidates for video coding	6/18/2012 Claims priority to provisional applications dated 6/20/2011 and 10/4/2011	3/28/2013	Zheng
US	2013/0083853	Motion vector predictor candidate clipping removal for video coding	6/25/2012 Claims priority to provisional applications dated 10/4/2011 and 10/28/2011	4/4/2013	Coban
US	2013/0156335	Method for encoding and decoding video, and apparatus for using same	9/2/2011 Claims priority to a provisional dated 9/2/2010, 11/8/2010, and 11/12/2010	6/20/2013	Lim
US	2013/0272408	Motion vector prediction in video coding	3/29/2013 Claims priority to provisional	10/17/2013	Chen

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			applications dated 7/28/2011 and 4/20/2011		
US	2014/0092981	Method and apparatus for removing redundancy in motion vector predictors	6/12/2012	4/3/2014	Lin
US	2018/0156335	Method for encoding and decoding video, and apparatus for using same	9/2/2011 Claims priority to provisional applications dated 9/2/2010, 11/8/2010, and 11/12/2010	6/20/2013	Lim
US	2014/0140408	Method and apparatus for encoding motion information and method and apparatus for decoding same	6/14/2012 Claims priority to a provisional application dated 6/14/2011	5/22/2014	Lee
US	2015/0163508	Method for video coding and an apparatus	10/21/2011	6/11/2015	Bici
US	61/301,649	Motion vector coding	2/5/2010	8/11/2011	Rusert
US	61/491,381	Moving picture coding method, moving picture coding apparatus, moving picture decoding method, and moving picture decoding apparatus	5/31/2011		Sugio

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	61/500,903	Method for removing redundancy in motion vector predictors	6/24/2011	4/3/2014	Lin
CN	101271580	System and method for 3-D recursive search motion estimation	3/20/2008	9/24/2008	Chang
CN	101605255	Method and device for encoding and decoding video	6/12/2008	12/16/2009	Lai
CN	101860754	Method and device for coding and decoding motion vector	4/30/2010	10/13/2010	Dai
CN	1757238	Method for coding a video image taking into account the part relating to a component of a movement vector	2/26/2004	4/5/2006	Boisson
JP	2004032300	Animation compressor/encoder	6/25/2002	1/29/2004	Nakayama
WO	2011062392	Method and apparatus for encoding/decoding a motion vector by selecting a set of predicted candidate motion vectors, and method and apparatus for image encoding/decoding using the same	11/8/2010	5/26/2011	Kim
WO	2011074874	Video signal decoding method and device	12/15/2010	6/23/2011	Park
WO	2011099463	Predictive coding method for motion vector, predictive decoding method for motion vector,	2/8/2011	8/18/2011	Kitahara

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		video coding device, video decoding device, and programs therefor			
WO	2011115659	Methods and apparatus for implicit adaptive motion vector predictor selection for video encoding and decoding	3/3/2011	9/22/2011	Zheng
WO	2011126345	Method and apparatus for processing video signal	4/8/2011	10/13/2011	Park
US	5,754,240	Method and apparatus for calculating the pixel values of a block from one or two prediction blocks	10/1/1996	5/19/1998	Wilson
US	6,259,734	Image processing method, image processing apparatus, and data storage media	4/2/1999	7/10/2001	Boon
US	6,404,815	Image encoder, image decoder, image encoding method, image decoding method and image encoding/decoding system	1/19/1999	6/11/2002	Sekiguchi
US	6,512,523	Accurate averaging of elements using integer averaging	3/27/2000	1/28/2003	Gross
US	6,539,058	Methods and apparatus for reducing drift due to averaging in	4/13/1998	3/25/2003	Pearlstein

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		reduced resolution video decoders			
US	6,704,360	Bidirectionally predicted pictures or video object planes for efficient and flexible video coding	11/20/2001	3/9/2004	Haskell
US	6,931,157	Bi-directional motion compensation method to reduce the number of registers	5/12/2004	8/16/2005	Yang
US	6,950,469	Method for sub-pixel value interpolation	9/17/2001	9/27/2005	Karczewicz
US	7,224,733	Interpolation filtering method for accurate sub-pixel motion assessment	7/11/1998	5/29/2007	Benzler
US	7,555,043	Image processing apparatus and method	4/8/2003	6/30/2009	Sato
US	7,580,456	Prediction-based directional fractional pixel motion estimation for video coding	3/1/2005	8/25/2009	Li
US	7,620,109	Sub-pixel interpolation in motion estimation and compensation	3/4/2003	11/17/2009	Srinivasan
US	7,720,152	Implicit weighting of reference pictures in a video decoder	3/29/2005 Claims priority to PCT application dated 9/10/2003	5/18/2010	Boyce
US	7,792,191	Device and method for performing half-	5/12/2004	9/7/2010	Kwon

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		pixel accuracy fast search in video coding			
US	7,974,344	Method for obtaining image reference block in a code of mode of fixed reference frame number	7/8/2004	7/5/2011	Ji
US	8,005,137	Video coding and decoding method using weighted prediction and apparatus for the same	3/24/2006	8/23/2011	Han
US	8,014,450	Flexible range reduction	11/15/2004	9/6/2011	Regunathan
US	8,149,910	Image encoding/image decoding method and image encoding/image decoding apparatus	11/29/2006	4/3/2012	Tanizawa
US	8,194,746	Moving picture signal coding method, decoding method, coding apparatus, and decoding apparatus	3/10/2008	6/5/2012	Suzuki
US	8,284,835	Motion compensating apparatus	10/4/2006	10/9/2012	Iguchi
US	8,374,237	High precision encoding and decoding of video images	3/2/2001	2/12/2013	Demos
US	8,428,133	Adaptive coding of video block prediction mode	6/4/2008	4/23/2013	Ye
US	8,498,336	Method and apparatus for adaptive weight selection for motion	1/31/2007	7/30/2013	Tourapis

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		compensated prediction			
US	8,514,939	Method and system for motion compensated picture rate up-conversion of digital video using picture boundary processing	10/31/2007	8/20/2013	Chen
US	8,594,188	High precision encoding and decoding of video images	1/7/2011 Claims priority to an application dated 3/2/2001	11/26/2013	Demos
US	8,606,028	Pixel bit depth conversion in image encoding and decoding	9/30/2008	12/10/2013	Noda
US	8,660,174	Apparatus and method of adaptive offset for video coding	1/9/2011 Claims priority to a provisional application dated 6/15/2010	2/25/2014	Fu
US	8,665,964	Video coding based on first order prediction and pre-defined second order prediction mode	6/30/2009	3/4/2014	Joshi
US	8,676,000	Method and apparatus for performing interpolation based on transform and inverse transform	4/5/2011 Claims priority to provisional applications dated	3/18/2014	Alshina

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
			7/26/2010 and 4/5/2010		
US	8,711,930	Non-zero rounding and prediction mode selection techniques in video encoding	7/9/2009	4/29/2014	Karczewicz
US	8,711,939	Method and apparatus for encoding and decoding video based on first sub-pixel unit and second sub-pixel unit	4/5/2011 Claims priority to a provisional application dated 4/5/2010	4/29/2014	Alshina
US	8,750,378	Offset calculation in switched interpolation filters	7/24/2009	6/10/2014	Karczewicz
US	8,831,086	Prediction techniques for interpolation in video coding	4/8/2009	9/9/2014	Ye
US	8,942,289	Computational complexity and precision control in transform-based digital media codec	6/29/2007	1/27/2015	Srinivasan
US	8,971,412	Advanced interpolation techniques for motion compensation in video coding	4/8/2009	3/3/2015	Ye
US	8,995,526	Different weights for uni-directional prediction and bi-directional prediction in video coding	7/9/2009	3/31/2015	Karczewicz
US	9,014,280	Video coding with adaptive filtering for motion	10/9/2007	4/21/2015	Ye

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		compensated prediction			
US	9,161,057	Non-zero rounding and prediction mode selection techniques in video encoding	7/9/2009	10/13/2015	Karczewicz
US	9,237,355	Adaptive motion resolution for video coding	11/12/2010	1/12/2016	Chien
US	9,307,122	Method, apparatus, and computer program product for providing motion estimation for video encoding	9/27/2006	4/5/2016	Ugur
US	9,344,744	Apparatus for intra predicting a block, apparatus for reconstructing a block of a picture, apparatus for reconstructing a block of a picture by intra prediction	10/11/2012 Claims priority to a PCT application dated 4/13/2010	5/17/2016	Kirchhoffer
US	9,432,693	Motion prediction in video coding	1/6/2012 Claims priority to a provisional application dated 1/7/2011	8/30/2016	Ugur
US	9,877,037	Motion prediction in video coding	4/18/2017 Claims priority to a provisional application dated 1/7/2011	1/23/2018	Ugur

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	11,805,267[1]	Motion prediction in video coding	5/24/2021	10/31/2023	Ugur
US	2003/0112864	Method for sub-pixel value interpolation	9/17/2001	6/19/2003	Karczewicz
US	2003/0202607	Sub-pixel interpolation in motion estimation and compensation	3/4/2003	10/30/2003	Srinivasan
US	2004/0057523	Video encoding method and apparatus and video decoding method and apparatus	9/22/2003	3/25/2004	Koto
US	2004/0208247	Method and device for generating a scalable coded video signal from a non-scalable coded video signal	1/6/2004	10/21/2004	Barrau
US	2004/0247031	Motion vector detection method	4/16/2004	12/9/2004	Hagai
US	2005/0053292	Advanced bi-directional predictive coding of interlaced video	6/29/2004	3/10/2005	Mukerjee
US	2005/0105620	Motion vector detecting device and motion vector detecting program	11/12/2004	5/19/2005	Fukushima
US	2005/0207496	Moving picture coding apparatus	3/14/2005	9/22/2005	Komiya
US	2005/0281334	Method and apparatus for weighted prediction in predictive frames	5/2/2005	12/22/2005	Walker
US	2006/0067406	Information processing apparatus and program for use in the same	8/24/2005	3/30/2006	Kitada

[1] Including the admitted prior art listed and described in the publication.

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
US	2007/0009044	Method and apparatus for decoding hybrid intra-inter coded blocks	2/22/2006	1/11/2007	Tourapis
US	2007/0086526	Video encoding method and apparatus and video decoding method and apparatus	9/27/2006	4/19/2007	Koto
US	2007/0140351	Interpolation unit for performing half pixel motion estimation and method thereof	12/15/2005	6/21/2007	Ho
US	2008/0075169	Method, apparatus, and computer program product for providing motion estimation for video encoding	9/27/2006	3/27/2008	Ugur
US	2008/0089417	Video coding with adaptive filtering for motion compensated prediction	10/9/2007	4/17/2008	Bao
US	2008/0198927	Weighted prediction video encoding	12/21/2007	8/21/2008	Wu
US	2008/0198935	Computational complexity and precision control in transform-based digital media codec	6/29/2007	8/21/2008	Srinivasan
US	2008/0310745	Adaptive coefficient scanning in video coding	6/4/2008	12/18/2008	Ye
US	2009/0087111	Image encoding apparatus and method for the same and image decoding apparatus	9/30/2008	4/2/2009	Noda

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		and method for the same			
US	2009/0092188	Method and apparatus for inter prediction encoding/decoding an image using sub-pixel motion estimation	9/16/2008	4/9/2009	Lee
US	2009/0232215	Method and an apparatus for encoding or decoding a video signal	3/10/2009	9/17/2009	Park
US	2009/0257499	Advanced interpolation techniques for motion compensation in video coding	4/8/2009	10/15/2009	Karczewicz
US	2009/0257503	Advanced interpolation techniques for motion compensation in video coding	4/8/2009	10/15/2009	Ye
US	2010/0002770	Video encoding by filter selection	9/10/2008	1/7/2010	Motta
US	2010/0086027	Efficient prediction mode selection	4/15/2009	4/8/2010	Panchal
US	2010/0111182	Digital video coding with interpolation filters and offsets	4/29/2009	5/6/2010	Karczewicz
US	2011/0007799	Non-zero rounding and prediction mode selection techniques in video encoding	7/9/2009	1/13/2011	Karczewicz
US	2011/0032991	Image encoding device, image decoding device, image encoding	1/8/2009	2/10/2011	Sekiguchi

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		method, and image decoding method			
US	2011/0090966	Video predictive coding device and video predictive decoding device	12/29/2010	4/21/2011	Chujoh
US	2011/0200108	Chrominance high precision motion filtering for motion interpolation	1/21/2011 Claims priority to a provisional application dated 2/18/2010	8/18/2011	Joshi
US	2012/0051431	Motion direction based adaptive motion vector resolution signaling for video coding	6/29/2011 Claims priority to a provisional application dated 8/24/2010	3/1/2012	Chien
US	2012/0063515	Efficient coding of video parameters for weighted motion compensated prediction in video coding	5/27/2011 Claims priority to a provisional application dated 9/9/2010	3/15/2012	Panchal
US	2013/0034158	Apparatus for intra predicting a block, apparatus for reconstructing a block of a picture, apparatus for reconstructing a block of a picture by intra prediction	10/11/2012 Claims priority to a PCT application dated 4/13/2010	2/7/2013	Kirchhoffer
US	2013/0142262	Buffered adaptive filters	1/5/2011	6/6/2013	Ye
US	2013/0182763	Video encoding apparatus, decoding	7/13/2012	7/18/2013	Yasuda

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
		apparatus and video encoding method	Claims priority to a PCT application dated 1/13/2010		
US	Provisional No. 60/341,674	Techniques and tools for video encoding and decoding	12/17/2001		Lee
CA	2729615	Video predictive coding device and video predictive decoding device	6/26/2009	1/7/2010	Chujoh
CN	101523922	Video coding with adaptive filtering for motion compensated prediction	10/11/2007	9/2/2009	Ye
CN	101816183	Method and apparatus for inter prediction encoding/decoding an image using sub-pixel motion estimation	9/25/2008	8/25/2010	Lee
JP	4355319	Video decoding method	1/24/2006	10/28/2009	Suzuki
KR	20070014956	Method for encoding and decoding video signal	6/9/2006	2/1/2007	Yoon
RU	2004103743	Method and device for generating a scalable encoded video from an unscalable encoded video	7/5/2002	6/10/2005	Barrau
RU	2008138706	Device and method for image coding and device and method for image decoding	3/30/2007	4/10/2010	Noda

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
WO	2007042063	Video codec supporting quality-scalability	10/12/2005	4/19/2007	Schwarz
WO	2008048864	Video coding with adaptive filtering for motion compensated prediction	10/11/2007	4/24/2008	Ye
WO	2008067734	An encoding/decoding method and device, a fractional pixel interpolation processing method and device	12/13/2007	6/12/2008	Zhou
WO	2009151615	Methods and apparatus for video coding and decoding with reduced bit-depth update mode and reduced chroma sampling update mode	6/11/2009	12/17/2009	Gomila
WO	2010001832	Dynamic image prediction/encoding device and dynamic image prediction/decoding device	6/26/2009	1/7/2010	Chujoh
WO	2011086777	Moving image encoder apparatus and decoder apparatus	11/26/2010	7/21/2011	Yasuda
WO	2011127964	Apparatus for intra predicting a block, apparatus for reconstructing a block of a picture, apparatus for reconstructing a block of a picture by intra prediction	4/13/2010	10/20/2011	Kirchhoffer

Country	Number	Title	Filing Date	Issue/ Pub. Date	First Named Inventor/ Patentee
WO	2012008040	Image encoding method and image decoding method	7/15/2010	1/19/2012	Shiodera

Appendix A-2

Non-Patent Publications as Prior Art to the ’818, ’321, ’991, ’714, and ’267 Patents

Title	Publication	Date	Page Nos.	Name of First Author
Interresolution Look-Up Table for Improved Spatial Magnification of Image	Journal of Visual Communication and Image Representation	2000	All	Guoping Qiu
Digital Video Processing	Prentice Hall	1995	All	A. Murat Tekalp
Computer Organization and Architecture, Designing for Performance (8th ed.)		2010	All	William Stallings
ITU-T Recommendation H.263: Video coding for low bit rate communication		1/2005	All	ITU-T
The MPEG Handbook (2d ed.)		2004	All	John Watkinson
The C Programming Language (2d ed.)		1988	All	Brian Kernighan
Error Resilient Video Coding Techniques: Real-Time Video Communications Over Unreliable Networks	IEEE Signal Processing Magazine	06/2000	All	Yao Wang
H.263 Picture Header Recovery in H.324 Videophone	IEEE	2000	All	Miska Hannuksela
The Overview of MPEG-4 AVC/ H.264 and its standardization	S&S Architecture Center		All	Terihiko Suzuki
H.26L/JVT Coding Network Abstraction Layer and IP-Based Transport	IEEE ICIP 2002	9/22/2002-9/25/2002 Added to IEEE Xplore: 12/10/2002	All	Thomas Stockhammer

Title	Publication	Date	Page Nos.	Name of First Author
Editor's Proposed Draft Text modifications for Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), Draft 7 (Document: JVT-E022d7)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002 Generated: 09/19/2002 Also incorporated into Linzer, which was filed October 22, 2002, published April 8, 2004, issued Feb. 9, 2010	All	Thomas Wiegand
Proposed Draft Text Modifications to Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), for decoded frame buffering (Document: JVT-E149d0)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002	All	Mike Nilsson
An Overview on the H.26L NAL Concept (Document: JVT-B028)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC11/SC19/WG11 and ITU-T SG16 Q.6); 2nd Meeting: Geneva, CH	1/29/2002-2/1/2002 Generated: 01/19/2002	All	Stephan Wenger
Group of Pictures for JVT Codec (Document: JVT-B069)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC11/SC19/WG11 and ITU-T SG16 Q.6); 2nd Meeting: Geneva, CH	1/29/2002-2/1/2002 Generated: 01/2002	All	Teruhiko Suzuki
Working Draft Number 2, Revision 0 (WD-2) (Document: JVT-B118)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; Pattaya, Thailand	12/3/2001-12/7/2001	All	Thomas Wiegand

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Working Draft Number 2, Revision 0 (WD-2) (Document: JVT-B118r1)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; Pattaya, Thailand	12/3/2001-12/7/2001	All	Thomas Wiegand
Working Draft Number 2, Revision 0 (WD-2) (Document: JVT-B118r2)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; Pattaya, Thailand	1/29/2002-2/1/2002 Generated: 03/15/2002	All	Thomas Wiegand
Working Draft Number 2, Revision 0 (WD-2) (Document: JVT-B118r3)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; Pattaya, Thailand	1/29/2002-2/1/2002 Generated: 03/25/2002	All	Thomas Wiegand
(Draft) Report of Fairfax Meeting (Document: JVT-C001d3)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Gary Sullivan
Coding of Parameter Sets (Document: JVT-C078)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Miska Hannuksela
Coding of Parameter Sets Annex A – Slice Layer Changes Relative to JVT WD2r7 (Document: JVT-C078 Annex A)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Miska Hannuksela
Improved Coding of Slice Headers (Document: JVT-C079)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Miska Hannuksela

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Improved Coding of Slice Headers Changes Relative to Working Draft Number 2, Revision 7 (Document: JVT-C079 Annex A)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Miska Hannuksela
Joint Committee Draft (CD)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Thomas Wiegand
(Draft) Report of Klagenfurt Meeting (Document: JVT-D001d0)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Gary Sullivan
(Draft) Report of Klagenfurt Meeting (Document: JVT-D001d1)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Gary Sullivan
(Draft) Report of Klagenfurt Meeting (Document: JVT-D001d2)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Gary Sullivan
(Draft) Report of Klagenfurt Meeting (Document: JVT-D001d3)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Gary Sullivan

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(Draft) Report of Klagenfurt Meeting (Document: JVT-C001d3; Filename lists JVT-D002d3)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Gary Sullivan
Parameter Set Issues (Document: JVT-D065)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Stephan Wenger
Removal of the Picture Layer (Document: JVT-D066)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting, Klagenfurt, Austria	7/22/2002-7/26/2002	All	Stephan Wenger
Network Abstraction Layer and High-level Syntax (Document: JVT-D087)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting: Klagenfurt, Austria	7/22/2002-7/26/2002	All	Toby Walker
Modifications to High-Level Syntax and Semantics (Document: JVT-D094)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 4th Meeting: Klagenfurt, Austria	7/22/2002-7/26/2002	All	Miska Hannuksela
Joint Final Committee Draft (JFCD) of Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC) (Document: JVT-D157)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 4th Meeting: Klagenfurt, Austria	7/22/2002-7/26/2002	All	Thomas Wiegand

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Editor's Proposed Draft Text Modifications for Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC) (Document: JVT-E022d1)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 4th Meeting: Klagenfurt, Austria	7/22/2002-7/26/2002	All	Thomas Wiegand
Editor's Proposed Draft Text Modifications for Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC) (Document: JVT-E022d7)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva, Switzerland	10/9/2002-10/17/2002	All	Thomas Wiegand
Issues on High-Level Syntax and Semantics (Document: JVT-E124)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 5th Meeting: Geneva, Switzerland	10/9/2002-10/17/2002	All	Miska Hannuksela
Issues on High-Level Syntax and Semantics Appendix: Changes relative to JVT-E022d7 (Document: JVT-E124 Appendix)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 5th Meeting: Geneva, Switzerland	10/9/2002-10/17/2002	All	Miska Hannuksela
Proposed Draft Text Modifications to Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), for decoded frame buffering (Document: JVT-E149)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002	All	Mike Nilsson

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Proposed Draft Text Modifications to Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), for decoded frame buffering (Document: JVT-E149d0)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002	All	Mike Nilsson
Proposed Draft Text Modifications to Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), for decoded frame buffering (Document: JVT-E149r1)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002	All	Mike Nilsson
Proposed Draft Text Modifications to Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), for decoded frame buffering (Document: JVT-E149r5)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva	10/9/2002-10/17/2002	All	Mike Nilsson
List of Documents for the Fourteenth Meeting ITU-T Q.6/SG16 Video Coding Experts Group (VCEG) (Document: VCEG-N00 rev. 3)	ITU-T Q.6/16 Video Coding Experts Group (VCEG); 14th meeting, Santa Barbara, California, USA	9/24/2001-9/27/2001	All	
H.26L over IP and H.324 Framework (Document VCEG-N52)	ITU – Telecommunications Standardization Sector Study 16 Question 6 Video Coding Experts Group (VCEG); 14th Meeting: Santa Barbara, CA, USA	9/21/2001-9/24/2001 Generated: 09/18/2001	All	Stephan Wenger

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H.26L over IP Framework: Proposed H.26L NAL normative text (Document: VCEG-N72r1)	ITU – Telecommunications Standardization Sector Study 16 Question 6 Video Coding Experts Group (VCEG); 14th Meeting: Santa Barbara, CA, USA	9/2/2001-9/27/2001	All	Stephan Wenger
ITU-T Recommendation H.263 Video Coding for Low Bit Rate Communication		3/1996	All	ITU-T
Proposal for Error Resilience Function in Supplemental Enhancement Information (Document: Q15-H-12)	ITU - Telecommunications Standardization Sector; Study Group 16, Question 15; Video Coding Group (VCEG); 8th Meeting; Berlin	8/3/1999-8/6/1999	All	Miska Hannuksela
Meeting Report of the Twelfth Meeting (Meeting L) of the ITU-T Video Coding Experts Group (VCEG) [Q.6/16] - Eibsee, Germany (Document: VCEG-L46)	ITU - Telecommunications Standardization Sector; Study Group 16; Twelfth Meeting: Eibsee, Germany	1/9/2001-1/12/2001	All	Gary Sullivan
Meeting Report of the Twelfth Meeting (Meeting L) of the ITU-T Video Coding Experts Group (VCEG) [Q.6/16] - Eibsee, Germany (Document: VCEG-L46d1)	ITU – Telecommunications Standardization Sector; Study Group 16; Twelfth Meeting: Eibsee, Germany	1/9/2001-1/12/2001	All	Gary Sullivan

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International Standard ISO/IEC 11172-2- Information technology – Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s – Part 2: Video		8/1/1993	All	ISO/IEC
H.263-Based SNR Scalable Video Codec	IEEE Transactions on Consumer Electronics	8/1997	All	Lee
Scene Adaptive Video Encoding for MPEG and H.263+ Video	IEEE Transactions on Consumer Electronics	11/2001	All	Fernando
Motion-Compensated Layered Video Coding for Playback Scalability	IEEE Transactions on Circuits and Systems for Video Technology	5/2001	All	Lee
Error-Resilient Video Compression Via Multiple State Streams	International Workshop on Very Low Bitrate Video Coding (VLBV '99), Kyoto, Japan	10/1999	All	John Apostolopoulos
MPEG: A Video Copression Standard for Multimedia Applications	Communications of the ACM	4/1991	All	Didier Le Gall
MPEG Video Compression Standard		10/31/1996	All	Joan Mitchell
Issues in Multimedia Scaling: the MPEG Video Streams Case, Emerging Technologies and Applications in Communications	IEEE Computer Society	5/7/1996	All	Elloumi
Enhanced Concept of GOP (Document JVT-B042r1)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 2nd Meeting; Geneva CH	1/29/2002-2/1/2002	All	Miska Hannuksela

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Memory Traffic and Data Cache Behavior of an MPEG-2 Software Decoder	IEEE Computer Society	10/12/1997	All	Soderquist
Editor's Proposed Draft Text Modifications for Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC), Geneva modifications draft 37 (JVT-E146d37)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 5th Meeting: Geneva, Switzerland, 9-17 October, 2002	11/17/2002	All	Thomas Wiegand
Draft Text of Recommendation H.263 Version 2 ("H.263+") for Decision		1/15/1998	All	ITU-T
ITU-Telecommunications Standardization Union, H.26L Test Model Long Term No. 8 (TML-8) Draft (Document VCEG-N10)	ITU - Telecommunications Standardization Sector STUDY GROUP 16 Video Coding Experts Group (VCEG)	7/10/2001	All	Gisle Bjontegaard
ITU-Telecommunications Standardization Union, Draft for "H.263++" Annexes U, V, and W to Recommendation H.263		11/2000	All	
Study Text of ISO/IEC 14496-15/FCD		11/8/2002	All	David Singer
Study Text of ISO/IEC 14496-15/FCD (Revised)		9/1/2003	All	David Singer
Sub-Picture: ROI Coding and Unequal Error Protection	IEEE 2002	09/2002	All	Miska Hannuksela

Title	Publication	Date	Page Nos.	Name of First Author
Temporal Scalability Using P-pictures for Low-latency Applications	IEEE Workshop	12/1998	All	Stephan Wenger
Spatially Scalable Video Compression Employing Resolution Pyramids	IEEE Journal on Selected Areas in Communications No. 9	12/1997	All	K. Illgner
Signaling of Enhanced GOPs (Document: JVT-D098)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6) 4th Meeting: Klagenfurt, Austria	7/22/2002-7/26/2002	All	Miska Hannuksela
Proposed Amendments to the Common Text ITU-T Recommendation H.262 | ISO/IEC 13818-2 (version decided by SG15 on 28 May 1996)	International Telecommunication Union Telecommunication Standardization Sector Study Period 1993 – 1996	5/28/1996	All	Sakae Okubo
Agreed Corrigenda (Corrigendum 1 and Corrigendum 2) to H.262 | ISO/IEC 13818-2 (Temporary Document 35-E (PLEN))	ITU - Telecommunication Standardization Sector, Study Group 15; Geneva	5/27/1996-6/7/1996	All	
ITU-T Recommendation H.263: Video coding for low bit rate communication		2/1998	All	ITU-T
On Picture, GOP, and Sequence Headers (Document: VCEG M74)	ITU - Telecommunications Standardization Sector Study Group 16 Question 6 Video Coding Experts Group (VCEG); 13th Meeting: Austin, Texas, USA	4/2/2001-4/4/2001	All	Stephan Wenger

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Tool to support random access (Document: VCEG-O53r2)	ITU – Telecommunications Standardization Sector Study Group 16 Question 6 Video Coding Experts Group (VCEG); 15th Meeting: Pattaya, Thailand	12/4/2001-12/6/2001	All	Suzuki Teruhiko
Interim JVT File Format (Document: VCEG-O58)	ITU - Telecommunications Standardization Sector Study Group 16 Question 6 Video Coding Experts Group (VCEG); 15th Meeting: Pattaya, Thailand	12/4/2001-12/6/2001	All	Per Frodjh
Interim JVT File Format (Document: VCEG-O58 Appendix A)	ITU - Telecommunications Standardization Sector Study Group 16 Question 6 Video Coding Experts Group (VCEG); 15th Meeting: Pattaya, Thailand,	12/3/2001-12/7/2001	All	Miska Hannuksela
JVT 1st Meeting and VCEG 15th Meeting Draft Report (Document JVT-A005 draft 1)		12/27/2001	All	Gary Sullivan
Draft of Joint Video Specification (ITU-T Rec. H.264 | ISO/IEC 14496-10 AVC) (Document: JVT C167)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; 3rd Meeting: Fairfax, Virginia, USA	5/6/2002-5/10/2002	All	Thomas Wiegand
ITU-T Recommendation H.262 / International Standard ISO/IEC 13818-2, Information Technology ‑ Generic Coding of Moving Pictures and Associated Audio Information: Video		7/10/1995	All	ITU-T

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ITU-T Recommendation H.262 / International Standard ISO/IEC 13818-2, Information Technology – Generic Coding of Moving Pictures and Associated Audio Information: Video		2/17/2000	All	ITU-T
ITU-T Recommendation H.262 Technical Corrigendum 1		11/8/1996	All	ITU-T
International Standard, ISO/IEC 13818-1, Information Technology ‑ Generic Coding of Moving Pictures and Associated Audio Information: Systems (2d ed.).		12/1/2000	All	ISO/IEC
ITU-T Recommendation H.264, Advanced Video Coding for Generic Audiovisual Services		5/2003	All	ITU-T
ITU-T Recommendation H.264, Advanced Video Coding for Generic Audiovisual Services		3/2005	All	ITU-T
International Standard ISO/IEC 11172-2 - Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s ‑ Part 2: Video		8/1/1993	All	ISO/IEC

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CL480PC MPEG-1 System Decoder	Available at https://web.archive.org/web/19970128081644/http:/www.c-cube.com/prdctlst/cl480pc.pdf	1/28/1997	All	C-Cube Microsystems
Real-Time Software MPEG Video Decoder on Multimedia-Enhanced PA 7100LC Processors	Hewlett-Packard Journal	4/1995	All	Ruby Lee
Performance of a Software MPEG Video Decoder	MULTIMEDIA '93: Proceedings of the first ACM international conference on Multimedia September 1993	9/1/1993	All	Ketan Patel
Lossless Image Compression Using the Discrete Cosine Transform	Journal of Visual Communication and Image Representation, vol. 8, Issue 1	3/1997	21-26	Giridhar Mandyam
Improving Frame Interpolation with Spatial Motion Smoothing for Pixel Domain Distributed Video Coding		1/2005	All	João Ascenso
Block-Level Discrete Cosine Transform Coefficients for Autonomic Face Recognition	LSU Doctoral Dissertations	2003	All	Willie Scott
Adaptive prediction error coding in spatial and frequency domain for H.264/AVC (Document VCEG-AB06)	ITU - Telecommunications Standardization Sector, Study Group 16 Question 6, Video Coding Experts Group (VCEG), 29th Meeting: Bangkok, Thailand	1/16/2006-1/20/2006	All	Matthias Narroschke
Context-Based Complexity Reduction Applied to H.264 Video Compression	Simon Fraser University Thesis	2005	All	Laleh Sahafi

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Working Draft Number 2, Revision 4 (WD-2 rev 5) (Document: JVT-B118r5)	Joint Video Team (JVT) of ISO/IEC MPEG and ITU-T VCEG; Geneva, Switzerland	1/29/2002-2/1/2002	All	Thomas Wiegand
Proposal for Advanced Video Coding (Document: LBC-97-029)	ITU Telecommunication Standardization Sector; Study Group 15, Working Party 15/1; Expert's Group on Very Low Bitrate Video Telephony	2/1996	All	Nokia Research Center
Draft Meeting Report of the Sixth Meeting (Meeting F) of the ITU-T Q.15/16 Advanced Video Coding Experts Group - Seoul, Republic of Korea, 3-6 November, 1998 (Study Period 1997-2000) (Document: Q15-F-49d2)	ITU - Telecommunications Standardization Sector; Study Group 16; Video Coding Experts Group (Question 15); 6th Meeting: Seoul, Korea	11/3/1998-11/6/1998	All	Gary Sullivan
Nokia MVC H.26L Proposal Description (Document: Q15-J-19)	ITU - Telecommunications Standardization Sector; Study Group 16; Video Coding Experts Group (Question 15); 10th meeting: Osaka	5/16/2000-5/18/2000	All	Marta Karczewicz
Adaptive prediction error coding in spatial and frequency domain with a fixed scan in the spatial domain (Document: VCEG-AD07)	ITU - Telecommunications Standardization Sector; Study Group 16 Question 6; Video Coding Experts Group (VCEG); 30th Meeting: Hangzhou, China,	10/23/2006-10/27/2006	All	Matthias Narroschke

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HEVC Extension for Multiview Video Coding and Multiview Video plus Depth Coding (Document: VCEG-AR13)	ITU - Telecommunications Standardization Sector; Study Group 16 Question 6; Video Coding Experts Group (VCEG); 44th Meeting: San Jose, CA, USA	2/3/2012-2/10/2012	All	Christian Bartnik
Joint Scalable Video Model JSVM-5 (Document: JVT-R202)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6) 18th Meeting: Bangkok, Thailand,	1/14/2006-1/20/2006	All	Julien Reichel
Using Convex Set Techniques for Combined Pixel and Frequency Domain Coding Of Time-Varying Images	IEEE Journal on Selected Areas in Communications, IEEE Service Center, vol. SAC-05, No. 7	8/1/1987	1127-39	Peter Santago
Pre- and Post-Processing Algorithms for Compressed Video Enhancement	Signals, Systems and Computers. Conference Record of the Thirty-Fourth Asilomar Conference on Oct. 29-Nov. 1, 2000, vol. 2	10/29/2000	1369-73	C. Andrew Segall
Image Compression Using the Discrete Cosine Transform	Mathematica Journal	1994	81-88	Andrew Watson
Introduction to Data Compression	Elsevier	2006	All	Khalid Sayood
Low cost Error Tolerant Motion Estimation for H.264/AVC Standard	2010 East-West Design & Test Symposium (EWDTS)	9/17/2010-9/20/2010	All	M.H. Sargolzai
Recent Developments in Standardization of High Efficiency Video Coding (HEVC)	Proceedings Volume 7798, Applications of Digital Image Processing XXXIII; 77980V (2010)	9/7/2010	All	Gary Sullivan
Lossless Coding	Handbook of Image and Video Processing, Second Edition	1/1/2005	All	Lina Karam

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Introduction to H.264 advanced video coding	Proceedings of the 2006 Asia and South Pacific Design Automation Conference vol. 2006	2006	736-41	Jian Wei-Chen
Motion vector coding using decoder-side estimation of motion vector	2009 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)	2009	All	Kwanghyun Won
The H.264/AVC Advanced Video Coding Standard: Overview and Introduction to the Fidelity Range Extensions	SPIE Conference on Applications of Digital Image Processing XXVII	2004	All	Gary Sullivan
Non-Fixed Quantization Considering Entropy Encoding in HEVC	Journal of Broadcast Engineering, The Korean Institute of Broadcast and Media Engineers	2011	All	Ryeong-Hee Gweon
Meeting report of the sixth meeting of the Joint Collaborative Team on Video Coding (JCT-VC), Torino, IT, 14–22 July 2011 (Document: JCTVC-F800)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, Italy	7/14/2011-7/22/2011	All	Gary Sullivan
Meeting report of the third meeting of the Joint Collaborative Team on Video Coding (JCT-VC), Guangzhou, CN, 7–15 October, 2010 (Document: JCTVC-C400)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 3rd Meeting, Guangzhou China	10/7/2010-10/15/2010	All	Gary Sullivan
Method and syntax for partial CU merge (Document: JCTVC-E085)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 5th Meeting: Geneva, CH	3/16/2011-3/23/2011	All	Shan Liu

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Unified motion vector removal process for AMVP	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 5th Meeting: Geneva, CH	3/16/2011-3/23/2011	All	Shigeru Fukushima
Parallelized merge/skip mode for HEVC (Document: JCTVC-F069)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 6th Meeting: Torino, IT	7/14/2011-7/22/2011	All	Minhua Zhou
A study on HM3.0 parsing throughput issue (Document: JCTVC-F068)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 6th Meeting: Torino, IT	7/14/2011-7/22/2011	All	Minhua Zhou
CE9: 4.4 Method for improving partial CU merge by merging inter NxN partitions (Document: JCTVC-F071)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 6th Meeting: Torino, IT	7/14/2011-7/22/2011	All	Ximin Zhang
WD3: Working Draft 3 of High-Efficiency Video Coding (Document: JCTVC-E603)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 5th Meeting; Geneva, CH,	3/16/2011-3/23/2011	All	Thomas Wiegand
Non - CE13: Simplification of merge mode (Document: JCTVC - G593 and corresponding attachments)	Joint Collaborative Team on Video Coding (ICT-VC) of ITU - T SG16 WP3 and ISO/EC JTC1/SC29/WG11, 7th Meeting: Geneva, CH	11/21/2011-11/30/2011	All	Oguz Bici

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Core Experiment 9: MV Coding and Skip / Merge Operations (Document JCTVC-F909r1)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, IT	7/14/2011-7/22/2011	All	Benjamin Bross
WD4: Working Draft 4 of High-Efficiency Video Coding (Document JCTVC-F803d6)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 6th Meeting; Torino, IT;	7/14/2011-7/22/2011	All	Benjamin Bross
WD4: Working Draft 4 of High-Efficiency Video Coding (Document JCTVC-F803d1 v3)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 6th Meeting; Torino, IT	7/14/2011-7/22/2011	All	Benjamin Bross
CE9: Results of Experiment ROB04 (Document: JCTVC-F052)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 6th Meeting; Torino, IT	7/14/2011-7/22/2011	All	Jian-Liang Lin
Unified Motion Vector Predictor Selection for Merge and AMVP (Document: JVT-E396)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 5th Meeting: Geneva	3/16/2011-3/23/2011	All	Yunfei Zheng
CE9: Summary Report of Core Experiment on MV Coding and Skip/Merge Operations (Document: JCTVC-F029r1)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Tornio, IT	7/14/2011-7/22/2011	All	Benjamin Bross

Title	Publication	Date	Page Nos.	Name of First Author
On MVP list pruning process (Document JCTVC-F105 (and thres 1-10))	Joint Collaborative Team on Video Coding (JCT - VC) of ITU - T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, IT,	7/14/2011-7/22/2011	All	Y. Jeon
CE9: Unified Merge and AMVP candidates selection (UNI03), (Document JCTVC-F297r1)	Joint Collaborative Team on Video Coding (ICT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, IT	7/14/2011-7/22/2011	All	Yunfei Zheng
Merge based mvd transmission, (Document JCTVC-F373)	Joint Collaborative Team on Video Coding (ICT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, IT	7/14/2011-7/22/2011	All	Shigeru Fukushima
Unification of derivation process for merge mode and MVP (Document JCTVC-F419 and corresponding attachments)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting; Torino, IT	7/14/2011-7/22/2011	All	Hiroya Nakamura
Merge Candidate Selection in 2NxN, Nx2N, and NxN Mode (Document JCTVC-F302 and corresponding attachments)	Joint Collaborative Team on Video Coding (ICT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 6th Meeting, Torino, IT	7/14/2011-7/22/2011	All	Yunfei Zheng
CE9: Results of SP experiments on simplification of merge process (Document: JCTVC-H0252)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 8th Meeting: San José, CA, USA	2/1/2012-2/10/2012	All	Oguz Bici

Title	Publication	Date	Page Nos.	Name of First Author
Motion- and Aliasing-Compensated Prediction for Hybrid Video Coding	IEEE Transactions on Circuits and Systems for Video Technology Vol. 13, No. 7	7/2003	577-86	Thomas Weidi
Block-Wise Adaptive Motion Accuracy Based B-Picture Coding with Low-Complexity Motion Compensation			All	Xiangyang Ji
Fast Motion Vector and Bitrate Re-Estimation for Arbitrary Downsizing Video Transcoding			All	Haiwei Sun
Video Compression Using Nested Quadtree Structures, Leaf Merging, and Improved Techniques for Motion Representation and Entropy Coding	IEEE Transactions on Circuits and Systems for Video Technology, Vol. 20, No. 12	12/2010	All	Detlev Marpe
ITU-T Recommendation H.264, Advanced Video Coding for Generic Audiovisual Services, Series H: Audiovisual And Multimedia Systems, Infrastructure of audiovisual services - Coding of moving video		11/2007	All	ITU-T
Discrepancies in Documentation and Implementation of Sub-pel Interpolation in TML-8 (Draft 0) (Document VCEG-N71)	ITU Telecommunications Standardization Sector, Study Group 16 Question 6, Video Coding Experts Group (VCEG), 14th Meeting, Santa Barbara, CA	9/24/2001-9/27/2001	All	J. Alvarez

Title	Publication	Date	Page Nos.	Name of First Author
Description of Video Coding Technology Proposal: Self Derivation of Motion Estimation and Adaptive (Wiener) Loop Filtering, (Document JCTVC-A106)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11, 1st Meeting	4/15/2010-4/23/2010	All	Chiu
Bidirectional prediction for stored B-slice 16-18 July, 2008 (Document: VCEG -AI20 (and corresponding attachments))	ITU – Telecommunications Standardization Sector STUDY GROUP 16 Question 6 Video Coding Experts Group (VCEG); 35th Meeting: Berlin, Germany	7/16/2008-7/18/2008	All	Takeshi Chujoh
High precision bi-directional averaging (Document JCTVC-D321)	Joint Collaborative Team on Video Coding (JCT. VC) of ITV-T WP3 and ISO/IEC JTC1/SC29NVG11; 4th Meeting	1/20/2011-1/28/2011	All	Kemal Ugur
On clipping in bi-directional averaging (Document: JCTVC-E242 (and related attachments))	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T WP3 and ISO/IEC JTC1/SC29/WG11; 5th Meeting	3/16/2011-3/23/2011	All	Kemal Ugur
High Precision Interpolation and Prediction (Document: VCEG-AI33)	ITU - Telecommunications Standardization Sector STUDY GROUP 16 Question 6 Video Coding Experts Group (VCEG) 35th Meeting: Berlin, Germany	7/16/2008-7/18/2008	All	Yan Ye

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TEI: Fast Techniques to Improve Self Derivation of Motion Estimation (Document: JCTVC-B047 and attachments)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 2nd Meeting: Geneva, CH	7/21/2010-7/28/2010	All	Yi-Jen Chiu
Enhanced Switching of Interpolation Filter for HEVC (Document: JCTVC-C183 and attachment)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 3rd Meeting: Guangzho	10/7/2010-10/15/2010	All	Tomonobu Yoshino
A Technical Description of MediaTek's Proposal to the JCT-VC CfP (Document: JCTVC-A109 (and related attachments and revisions))	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 1st Meeting: Dresden, DE,	4/15/2010-4/23/2010	All	Yu-Wen Huang
Meeting report of the second meeting of the Joint Collaborative Team on Video Coding (JCT-VC), Geneva, CH, 21-28 July, 2010 (Document: JCTVC-B200)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 2nd Meeting: Geneva, CH,	7/21/2010-7/28/2010	All	Gary Sullivan
Test Model under Consideration (Document: JCTVC-B205)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11 2nd Meeting: Geneva, CH	7/21/2010-7/28/2010	All	JCT-VC

Title	Publication	Date	Page Nos.	Name of First Author
TE6 subset a: Bidirectional intra prediction (Document: JCTVC-C079)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 3rd Meeting: Guangzhou, CN	10/7/2010-10/15/2010	All	Taichiro Shiodera
Bi-directional optical flow (Document JCTVC-C204)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 3rd Meeting: Guangzhou, CN	10/7/2010-10/15/2010	All	Elena Alshina
Core Experiment 6: Intra Prediction Improvement, (Document JCTVC-C506)	Joint Collaborative Team on Video Coding (JCT-VC) of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11; 3rd Meeting: Guangzhou, CN	10/7/2010-10/15/2010	All	Ali Tabatabai
SNR-scalable Extension of H.264/AVC (Document: JVT-J035)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 10th Meeting: Waikoloa, Hawaii, USA	12/8/2003-12/12/2003	All	Heiko Schwarz
The H.264 Advanced Video Compression Standard (2d ed.)		2010	All	Iain Richardson
Combined Intra Inter Prediction Coding Mode, (Document: VCEG-AD11)	ITU - Telecommunications Standardization Sector, Study Group 16 Question 6, Video Coding Experts Group (VCEG); 30th Meeting: Hangzhou, China	10/20/2006-10/27/2006	All	Kenneth Andersson

Title	Publication	Date	Page Nos.	Name of First Author
H.26L Test Model Long-Term Number 9 (TML-9) draft0 (Document: VCEG-N83 d1)	ITU - Telecommunications Standardization Sector STUDY GROUP 16 Video Coding Experts Group (VCEG)	10/20/2006-10/27/2006	All	Thomas Wiegand
Bit Depth Interoperability (Document: JVT-L027)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 12th Meeting: Redmond, Washington, USA	7/17/2004-7/23/2004	All	Walter Gish
System for Bit-Depth Scalable Coding; (Document: JVT-W113 (and corresponding attachment))	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6) 23rd Meeting: San Jose, California, USAw	4/21/2007-4/27/2007	All	Andrew Segall
Joint Draft 10 of SVC Amendment (Document: JVT-W201)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6)	4/21/2007-4/27/2007	All	Thomas Wiegand
Comments to SVC JD 10 (Document: JVT-X033 (including all revisions and attahments)).	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 24th Meeting: Geneva, CH	6/29/2007-7/5/2007	All	Ye-Kui Wang
Internal bit depth increase for coding efficiency (Document: VCEG-AE13)	ITU - Telecommunications Standardization Sector, Study Group 16 Question 6, Video Coding Experts Group (VCEG); 31st Meeting: Marrakech, MA,	1/15/2007-1/16/2007	All	Takeshi Chujoh

Title	Publication	Date	Page Nos.	Name of First Author
Implementation of Adaptive Filters with 16-bit Integer Arithmetic; (Document: VCEG-AG22)	ITU-Telecommunications Standardization Sector, Study Group 16 Question 6 Video Coding Experts Group (VCEG); 33rd Meeting: Shenzhen, China	10/20/2007	All	Kemal Ugur
Implementation of Directional Interpolation Filter with 16-bit Integer Arithmetic (Document: VCEG-AH18)	ITU - Telecommunications Standardization Sector Study Group 16 Question 6 Video Coding Experts Group (VCEG); 34th Meeting: Antalya, Turkey	1/12/2008-1/13/2008;	All	Dmytro Rusanovskyy
Joint Draft 5: Scalable Video Coding (in integrated form with ITU-T Rec. H.264 | ISO/IEC 14996-10) (Document: JVT-R201)	Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6); 18th Meeting: Bangkok, Thailand,	1/14/2006-1/20/2006	All	Thomas Wiegand
SMPTE Standard, VC-1 Compressed Video Bitstream Format and Decoding Process, SMPTE 421M-2006.			All	
The VC-1 Video Coding	Video coding standards Signals and Communication Technology		All	K.R. Rao
Windows Media Video 9: Overview and Applications	Microsoft, Signal Processing: Image Communication	2004	851-75	Sridhar Srinivasan
The VC-1 and H.264 Video Compression Standards for Broadband Video Services	Springer	2008	All	Jae-Beom Lee
Numerical Computation: Methods, Software, and Analysis	Springer	1995	All	Christopher W. Ueberhuber

Title	Publication	Date	Page Nos.	Name of First Author
An overview of VC-1	Proc. SPIE 5960, Visual Communications and Image Processing 2005, 596025	6/24/2005	All	Sridhar Srinivasan
Overview of the H.264/AVC Video Coding Standard	IEEE Transactions on Circuits and Systems for Video Technology	7/2003	All	Thomas Wiegand
ITU-T Recommendation H.264, Advanced Video Coding for Generic Audiovisual Services		3/2009	All	ITU/T

Appendix A-3

Products Sold, Offered for Sale, and/or Used in the United States as Prior Art to the ’818, ’321, ’991, ’714, and ’267 Patents

Name of Product	Date of Sale, Offer for Sale, or Use (at least as of)	Parties involved in the Sale, Offer for Sale, or Use
CL480PC MPEG-1 System Decoder	1/28/1997	C-Cube Microsystems

CERTIFICATE OF SERVICE

I hereby certify that a copy of **RESPONDENTS' JOINT NOTICE OF PRIOR ART** has been served on March 22, 2024, as indicated, on the following:

The Honorable Lisa R. Barton Secretary to the Commission U.S. International Trade Commission 500 E. Street, S.W., Room 112A Washington, DC 20436	☐ First Class Mail ☐ Overnight Delivery ☒ EDIS ☐ Email
Honorable Cameron R. Elliot Administrative Law Judge U.S. International Trade Commission 500 E Street, SW Washington, DC 20436 Michael Turner (Attorney Advisor)	☐ First Class Mail ☐ Overnight Delivery ☒ EDIS ☒ Email ☐ Upload to Box account *Michael.turner@usitc.gov*
Marissa Ducca, Esq. Jeffrey Hsu, Esq. Office of Unfair Import Investigations U.S. International Trade Commission 500 E. Street, S.W., Suite 401 Washington, DC 20436 Phone: (202) 205-2044	☐ First Class Mail ☐ Overnight Delivery ☒ Email ☒ Upload to Box account *Marissa.Ducca@usitc.gov* *Jeffrey.Hsu@usitc.gov*

Adam D. Swain Alston & Bird LLP 950 F Street NW Washington, DC 20004 Telephone: (202) 239-3300 John D. Haynes Nicholas T. Tsui Lindsay C. Church Shawn P. Gannon Paul Michael Haley Alston & Bird LLP 1201 West Peachtree Street Atlanta, GA 30309 Telephone: (404) 881-7000 Theodore Stevenson Alston & Bird LLP 2200 Ross Avenue, Suite 2300 Dallas, TX 75201 Phone: (214) 922-3400 Caleb J. Bean Alston & Bird LLP 333 South Hope Street 16th Floor Los Angeles, CA 90071 Phone: 213-576-1000 August R. Meny Alston & Bird LLP 90 Park Avenue New York, NY 10016-1387 Phone: 212-210-9400 Warren Lipschitz Alexandra F. Easley MCKOOL SMITH, P.C. 300 Crescent Court Suite 1200 Dallas, TX 75201 Telephone: (214) 978-4000 R. Mitch Verboncoeur MCKOOL SMITH, P.C. 303 Colorado Street Suite 2100 Austin, TX 78701 Telephone: (512) 692-8700	☐ First Class Mail ☐ Overnight Delivery ☒ Email *NKAmazonITC@alston.com* *Nokia_HP_Amazon@mckoolsmith.com*

Joshua J. Newcomer MCKOOL SMITH, P.C. 600 Travis Street, Suite 7000 Houston, TX 77002 Telephone: (713) 485-7316 Kevin Burgess MCKOOL SMITH P.C. 104 East Houston St., Suite 300 Marshall, Texas 75670 Telephone: (903) 923-9000 *Counsel for Complainants Nokia Technologies Oy and Nokia Corporation*	

Eric S. Namrow Stephanie L. Roberts Kandis C. Gibson Manu Bansal, Ph.D. Kevin J. Spinella Eunjean Je Morgan, Lewis & Bockius LLP 1111 Pennsylvania Ave, N.W. Washington, D.C. 20004-2541 Telephone: (202) 739-3000 David J. Levy Rick L. Rambo Thomas R. Davis Morgan, Lewis & Bockius LLP 1000 Louisiana Street, Suite 4000 Houston, TX 77002-5005 Telephone: (713) 890-5000 Jason E. Gettleman Corey R. Houmand Morgan, Lewis & Bockius LLP 1400 Page Mill Road Palo Alto, CA 94304 Telephone: (650) 843-4000 Kevin J. Post Lance W. Shapiro Ropes & Gray LLP 1211 Avenue of the Americas New York, NY 10036 Telephone (212) 596-9000 Matthew J. Rizzolo Ropes & Gray LLP 2099 Pennsylvania Ave, NW Washington, DC 20006 Telephone: (202) 508-4600 Larry L. Shatzer Mark DeBoy EDELL, SHAPIRO & FINNAN 9801 Washingtonian Blvd., Suite 750 Gaithersburg, MD 20878 *Counsel for Respondent HP Inc.*	☐ First Class Mail ☐ Overnight Delivery ☒ Email *HP-Nokia-ITC@morganlewis.com* *HP-Nokia-Ropes1380@ropesgray.com* *ESF_ITC@esfip.com*

<u>/s/ Antonio Ramos</u>
Antonio Ramos
Senior Paralegal
Perkins Coie LLP
505 Howard Street, Suite 1000
San Francisco, CA 94105
Email: *aramos@perkinscoie.com*