

Filed on behalf of: Google LLC

Entered on: August 8, 2025

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE LLC,
Petitioner,

v.

ADVANCED CODING TECHNOLOGIES LLC,
Patent Owner.

IPR2025-01278
Patent 9,042,448

PETITIONER'S UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner Google LLC respectfully submits the following updated Exhibit List:

Exhibit	Description
1001	U.S. Patent No. 9,042,448 to Sakazume (“the ’448 Patent”)
1002	Excerpts from the Prosecution History of the ’448 Patent (“the ’448 Patent File History”)
1003	Declaration and Curriculum Vitae of Dr. Clifford Reader
1004	[reserved]
1005	English Translation of Japanese Patent Publication No. 2007316161 A with Translation Certificate (“Phek”)
1006	Segall et al., <i>Spatial Scalability Within the H.264/AVC Scalable Video Coding Extension</i> ; IEEE Transactions on Circuits & Systems for Video Tech., Vol. 17, No. 9, September 2007 (“Segall”)
1007	Martins et al., <i>A Unified Approach to Restoration, Deinterlacing and Resolution Enhancement in Decoding MPEG-2 Video</i> , IEEE Transactions on Circuits & Systems for Video Tech., Vol. 12, No. 9, September 2002 (“Martins”)
1008	U.S. Patent Application Publication No. 2008/0137753 (“He”)
1009	U.S. Patent No. 5,886,736 (“Chen”)
1010	Schwarz et al., <i>Overview of the Scalable Video Coding Extension of the H.264/AVC Standard</i> , IEEE Transactions on Circuits & Systems for Video Tech., Vol. 17, No. 9, September 2007 (“Schwarz”)
1011	U.S. Patent Application Publication No. 2009/0154567 (“Lei”)
1012	Park et al., <i>Super-Resolution Image Reconstruction: A Technical Overview</i> , IEEE Signal Processing Magazine, pp. 21-36, May 2003 (“Park”)
1013	English Machine Translation of Japanese Patent Publication No. 2008053848 (“Hatanaka”)
1014	U.S. Patent Application Publication No. 2010/0165077 (“Yin”)
1015	U.S. Patent Application Publication No. 2009/0257664 (“Kao”)
1016	U.S. Patent Application Publication No. 2009/0046995 (“Kanumuri”)

1017	U.S. Pat. 6,470,051 (“Campisano”)
1018	U.S. Patent Application Publication No. 2006/0013306 (“Kim”)
1019	Lu et al., Mechanisms of MPEG Stream Synchronization, ACG SIGCOMM Computer Communication Review, Vol. 24, Issue 1, pp. 57-67 (January 1994) (“Lu”)
1020	U.S. Patent Publication No. 2003/0021345 (“Brusewitz”)
1021	U.S. Patent Publication No. 2003/0021347 (“Lan”)
1022	EE Times, How Video Compression Works (Aug. 6, 2007), available at https://www.eetimes.com/how-video-compressionworks (retrieved Dec. 26, 2023) (“EETimes”)
1023	Bier, Introduction to Video Compression, Berkeley Design Tech., Inc. (October 2005), available at https://www.bdti.com/MyBDTI/pubs/20051024_GSPx05_Video_Intro.pdf (retrieved Dec. 30, 2023) (“Bier”)
1024	U.S. Patent No. 7,379,496 (“Holcomb”)
1025	U.S. Patent Publication No. 2008/0043832 (“Barkley”)
1026	U.S. Patent No. 6,173,013 (“Suzuki”)
1027	[reserved]
1028	[reserved]
1029	Declaration of June Ann Munford
1030	Ely, MPEG Video Coding: A Simple Introduction, EBU Technical Review (Winter 1995) (“Ely”)
1031	Japanese Patent Publication No. 2007316161 A with English Machine Translation
1032	ITU-T Recommendation H.264 (11/07)
1033	Karczewicz et al., The SP- and SI-Frames Design for H.264/AVC, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, v.13 (July 2003)
1034	ISO/IEC 11172-2: 1993 (E) (MPEG1 Video)
1035	ISO/IEC 13818-2: 2000 (E) (MPEG2/H.262 Video)
1036	ITU-T Recommendation H.263 (02/98)
1037	Reader, Intraframe and Interframe Adaptive Transform Coding, Efficient Transmission of Pictorial Information, SPIE v.66, 108 (1975)
1038	Reader, MPEG4: Coding for Content, Interactivity, and Universal Accessibility, Optical Engineering 35(1), 104 (January

	1996)
1039	Reader, MPEG Patents, in MPEG Video Compression Standard, Chapter 16, at 357-362 (Mitchell et al ed.) (1996)
1040	Radha et al., The MPEG-4 Fine-Grained Scalable Video Coding Method for Multimedia Streaming Over IP, IEEE Transactions on Multimedia, v.3, 53 (March 2001)
1041	H.264 / MPEG-4 Part 10 White Paper, January 31, 2003 (downloaded from https://github.com/yistLin/H264-Encoder/blob/1cdaf090b63642932ed726b102ed2cf80908edbb/doc/H.264%20%3A%20MPEG-4%20Part%2010%20White%20Paper.pdf on Jan. 5, 2024)
1042	ISO/IEC 14496-2: 2004 (MPEG4)
1043	ISO/IEC 13818-2: 1996 (MPEG2)
1044	[reserved]
1045	Third Amended Docket Control Order
1046	U.S. Patent Publication No. 2007/0140350 to Sakazume ("Sakazume")
1047	IPR2024-00372, Paper 9
1048	Loop Filters in the Okubo RM2 (1986)
1049	U.S. Patent No. 6,580,754 to Wan et al. ("Wan")
1050	Letter from P. Young to P. Lambrianakos re: Google's Sotera Stipulation

Respectfully submitted,

Dated: August 8, 2025

By: / Raghav Bajaj /

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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I certify that on this 8th day of August, 2025, a true and correct copy of the foregoing **Petitioner's Updated Exhibit List and Exhibit 1050** were served by electronic mail on Patent Owner's lead and backup counsel at the following email addresses:

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