

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Unified Patents Inc.
Petitioner,

v.

GE Video Compression, LLC,
Patent Owner.

Case No. IPR2019-00726

U.S. 6,943,710

PETITION FOR *INTER PARTES* REVIEW

OF U.S. PATENT NO. 6,943,710

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EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 6,943,710 to Marpe <i>et al.</i> (“the ’710 Patent”)
1002	Prosecution File History for the ’710 Patent
1003	Declaration of Dr. Immanuel Freedman
1004	Howard, “Design and analysis of fast text compression based on quasi-arithmetic coding,” <i>Journal of Information Processing and Management</i> , 30(6), 777–790 (1994) (“Howard”)
1005	U.S. Patent No. 5,592,162 to Printz <i>et al.</i> (“Printz”)
1006	U.S. Patent No. 6,351,569 to Kimura <i>et al.</i> (“Kimura”)
1007	Howard, “Practical Implementations of Arithmetic Coding,” <i>Image and Text Compression</i> ,” J.A. Storer, ed., Kluwer Academic Publishers, Norwell, MA, 85-112 (1992) (“Howard 2”)
1008	Howard, “Arithmetic Coding for Data Compression,” Proceedings of the IEEE (July 1994) (“Howard 3”)
1009	Marpe, “Fast Adaptive Binary Arithmetic Coding (M Coder),” http://iphome.hhi.de/marpe/mcoder.htm (accessed Nov. 12, 2018).
1010	Moffat, “Arithmetic Coding Revisited,” <i>ACM Transactions on Information Systems</i> , Vol. 16, No. 3 (July 1998), Pages 256-294.
1011	Duttweiler, Probability Estimation in Arithmetic Adaptive-Huffman Entropy Coders
1012	Excerpts from <i>Microsoft Computer Dictionary, Fourth Edition</i> , Microsoft Press (1999).
1013	Langdon, Jr., “An Introduction to Arithmetic Coding,” <i>IBM J. Res. Develop.</i> , Vol. 28, No. 2 (March 1984)
1014	Nelson, <i>Data Compression Book</i> , 2 nd Ed. (1996).
1015	Westwater, <i>Real-Time Video Compression Techniques</i>
1016	Declaration of Jacob Munford
1017	Rissanen, “A Multiplication Free Multialphabet Arithmetic Code,” <i>IEE Transactions on Communications</i> , Vol. 37, No. 2 (Feb. 1989)
1018	Pennebaker, “An Overview of the Basic Principles of the Q-Coder Adaptive Binary Arithmetic Coder,” <i>IBM J. Res. Develop.</i> , Vol. 32, No. 6 (Nov. 1988).

Exhibit No.	Description
1019	University of Michigan Library MARC Record
1020	Petitioner's Voluntary Interrogatory Responses
1021	ITU-T Recommendation H.264 (May 2003)
1022	WorldCat Record for the Journal Information Processing and Management

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