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

TABLE OF CONTENTS

EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 6,943,710 to Marpe *et al.* ("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," *Journal of Information Processing and Management*, 30(6), 777–790 (1994) ("Howard")
1005	U.S. Patent No. 5,592,162 to Printz *et al.* ("Printz")
1006	U.S. Patent No. 6,351,569 to Kimura *et al.* ("Kimura")
1007	Howard, "Practical Implementations of Arithmetic Coding," *Image and Text Compression*," 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," ACM Transactions on Information Systems, Vol. 16, No. 3 (July 1998), Pages 256-294.
1011	Duttweiler, Probability Estimation in Arithmetic Adaptive-Huffman Entropy Coders
1012	Excerpts from *Microsoft Computer Dictionary, Fourth Edition*, Microsoft Press (1999).
1013	Langdon, Jr., "An Introduction to Arithmetic Coding," IBM J. Res. Develop, Vol. 28, No. 2 (March 1984)
1014	Nelson, Data Compression Book, 2nd Ed. (1996).
1015	Westwater, Real-Time Video Compression Techniques
1016	Declaration of Jacob Munford
1017	Rissanen, "A Multiplication Free Multialphabet Arithmetic Code," IEE Transactions on Communications, Vol. 37, No. 2 (Feb. 1989)
1018	Pennebaker, "An Overview of the Basic Principles of the Q-Coder Adaptive Binary Arithmetic Coder," IBM J. Res. Develop., 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

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.