IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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COMCAST CABLE COMMUNICATIONS, LLC

Petitioner

v.

REALTIME ADAPTIVE STREAMING, LLC

Patent Owner

_____

Case IPR2019-01109
Patent No. 9,769,477

_____

PETITION FOR *INTER PARTES* REVIEW

OF U.S. PATENT NO. 9,769,477

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LIST OF EXHIBITS

Exhibit	Description
EX1001	U.S. Patent No. 9,769,477 to Fallon *et al.* ("the '477 Patent")
EX1002	Prosecution File History for the '477 Patent
EX1003	Declaration of Dr. James A. Storer
EX1004	Japanese Patent Application Publication No. H11331305 to Imai *et al.* ("Imai")
EX1005	Certified English Translation of Imai
EX1006	U.S. Patent No. 6,507,611 to Imai et al. ("Imai '611")
EX1007	European Patent Application Publication No. EP0905939A2 to Pauls *et al.* ("Pauls")
EX1008	Excerpt from William Pennebaker *et al.*, JPEG Still Image Data Compression Standard (Van Nostrand Reinhold, 1993)
EX1009	Andreas Spanias *et al.*, *Audio Signal Processing and Coding* (John Wiley & Sons, Inc., 2007)
EX1010	Raymond Westwater *et al.*, *Real-Time Video Compression Techniques and Algorithms* (Kluwer Academic Publishers, 1997)
EX1011	David Salomon, *A Guide to Data Compression Methods* (Springer-Verlag New York, Inc., 2002)
EX1012	Le Gall, *MPEG: A Video Compression Standard for Multimedia Applications* (April 1991)
EX1013	Memorandum Opinion and Order, *Realtime Data, LLC v. Rackspace US, Inc. et al.*, No. 6:16-CV-00961, Dkt. 183 (E.D. Tex. June 14, 2017)
EX1014	Memorandum Opinion and Order, *Realtime Data, LLC v. Actian Corp. et al.*, No. 6:15-CV-00463, Dkt. 362 (E.D. Tex. July 28, 2016)
EX1015	U.S. Patent No. 5,873,065 to Akagiri et al.
EX1016	U.S. Patent No. 6,407,680 to Lai *et al.* ("Lai")

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EX1017	Notice of Interested Parties, *Realtime Adaptive Streaming, LLC v. Hulu LLC*, No. 2:17-CV-07611, Dkt. 18 (C.D. Cal. October 24, 2017)
EX1018	Mark Nelson, The Data Compression Book, M&T Books, 1991 ("Nelson")
EX1019	J. Golston, *Comparing Media Codecs for Video Content*, Embedded Systems Conference, San Francisco, 2004
EX1020	International Telecommunication Union Telecommunication Standardization Sector Recommendation H.263 (February 1998) (H.263 Standard)
EX1021	U.S. Patent No. 6,195,024 to Fallon
EX1022	International PCT Application Publication WO 00/51243 to Park
EX1023	Declaration of Dr. Sylvia Hall-Ellis
EX1024	Report and Recommendation of U.S. Magistrate Judge, *Realtime Data, LLC v. Packeteer, Inc.*, Case No. 6:08-CV-144, Dkt. 379 (E.D. Tex. June 23, 2009)
EX1025	U.S. Patent No. 5,553,160 to Dawson
EX1026	Prosecution File History for Lai
EX1027	Intel Corp., 1994 Annual Report (1994)

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