

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SLING TV, L.L.C., et al.,
Petitioners

v.

REALTIME ADAPTIVE STREAMING LLC,
Patent Owner

Case IPR2018-01342¹
Patent 8,934,535

PETITIONERS' UPDATED EXHIBIT LIST

¹ GOOGLE LLC, who filed a petition in IPR2019-00748, and COMCAST CABLE COMMUNICATIONS, LLC, who filed a petition in IPR2019-00760, have been joined as petitioners in this proceeding.

EXHIBITS

DISH1001	U.S. Patent No. 8,934,535 to Fallon (“the ’535 Patent”)
DISH1002	Prosecution History of the ’535 Patent (“the Prosecution History”)
DISH1003	Declaration of Dr. Scott Acton
DISH1004	U.S. Patent No. 6,557,001 (“Dvir”)
DISH1005	U.S. Patent No. 5,675,789 (“Ishii”)
DISH1006	U.S. Patent No. 6,216,157 (“Vishwanath”)
DISH1007	Prosecution History of U.S. Patent No. 8,867,610 to Fallon (“the ’610 Patent”)
DISH1008	U.S. Patent No. 6,195,024 to Fallon (“the ’024 Patent”)
DISH1009	<i>Realtime Data LLC v. Rackspace US, Inc. et al.</i> , Dkt. No. 183, Case No. 6-16-cv-00961 (E.D. Tex. June 29, 2016)
DISH1010	<i>Realtime Data LLC v. Actian Corporation et al.</i> , Dkt. No. 362, Case No. 6-15-cv-00463 (E.D. Tex. May 8, 2015)
DISH1011	Patent Owner’s Infringement Contentions for U.S. Patent No. 8,934,535 from <i>Realtime Adaptive Streaming LLC v. Sling TV L.L.C. et al.</i> , Case No. 1:17-cv-02097-RBJ (D. Colo.)
DISH1012	<i>Realtime Data, LLC d/b/a IXO v. Packeteer, Inc., et al.</i> , No. 6:08-cv-00144 Docket No. 371, p. 59 (E.D. Tex. June 22, 2009)
DISH1013	Held, G. <i>Data Compression: Techniques and Applications, Hardware and Software Considerations</i> , John Wiley & Sons, 1983
DISH1014	Fahie, John Jacob (1884). <i>A History of Electric Telegraphy, to the Year 1837</i> . E. & F.N. Spon.
DISH1015	Mag, Lond Mechanics. “ <i>Mr. Bain's Electric Printing Telegraph.</i> ” Journal of the Franklin Institute, of the State of Pennsylvania, for the Promotion of the Mechanic Arts; Devoted to Mechanical and Physical Science, Civil Engineering, the Arts and Manufactures, and the Recording of American and Other Patent Inventions (1828-1851) 8.1 (1844): 61.
DISH1016	Huffman, D. A. (1952). A method for the construction of minimum-redundancy codes. <i>Proceedings of the IRE</i> , 40(9), 1098-1101.

DISH1017	Shannon, C. E. (1949). Communication theory of secrecy systems. <i>Bell Labs Technical Journal</i> , 28(4), 656-715.
DISH1018	Tekalp, A. M. (1995). <i>Digital video processing</i> . Prentice Hall Press.
DISH1019	Bovik, Alan C. <i>Handbook of image and video processing</i> . Academic press, 2009.
DISH1020	Jim Taylor, <i>DVD Demystified</i> (1998)
DISH1021	Zhang, Z. L., Wang, Y., Du, D. H. C., & Su, D. (2000). <i>Video staging: A proxy-server-based approach to end-to-end video delivery over wide-area networks</i> . IEEE/ACM Transactions on networking, 8(4), 429-442.
DISH1022	ISO/IEC 11172-2: 1993
DISH1023	ISO/IEC 13818-2: 1995
DISH1024	Gringeri et al., <i>Traffic Shaping, Bandwidth Allocation, and Quality Assessment for MPEG Video Distribution over Broadband Networks</i> , IEEE Network, (November/December 1998)
DISH1025	U.S. Patent No. 6,020,904 (“Clark”)
DISH1026	Executed Assignment of U.S. Patent No. 8,934,535
DISH1027	Complaint for Patent Infringement, <i>Realtime Adaptive Streaming LLC v. EchoStar Technologies, L.L.C. et al.</i> , Case No. 6:17-cv-00567 (E.D. Tex. Oct. 10, 2017)
DISH1028	Complaint for Patent Infringement, <i>Realtime Adaptive Streaming LLC v. Sling TV L.L.C. et al.</i> , Case No. 1:17-cv-02097 (D. Col. Oct. 10, 2017)
DISH1029	Transcript of Deposition of Kenneth A. Zeger on July 31, 2019
DISH1030	Transcript of Deposition of Kenneth A. Zeger on July 31, 2019, in IPR2018-01331 on U.S. Patent No. 8,867,610
DISH1031	Supplemental Declaration of Dr. Scott Acton
DISH1032	ISO/IEC 13818-2 Generic Coding of Moving Pictures and Associated Audio, Recommendation H.262, March 25, 1994
DISH1033	Haskell, Barry G., et al., <i>Digital Video: An Introduction to MPEG-2</i> (2002)
DISH1034	Armuth, Supavadee, et al., <i>MPEG-1 and MPEG-2 Video Standards</i> , Academic Press (1999)
DISH1035	Transcript of September 3, 2019, Teleconference between Board and parties
DISH1036	Petitioner’s Demonstratives

GOOGLE/ COMCAST 1101	Proof of Service re Summons and Complaint for Google LLC, <i>Realtime Adaptive Streaming LLC, v. Google LLC</i> , D.I. 18, Case No. 18-cv-03629 FMO (JCx) (C.D. Cal.)
GOOGLE/ COMCAST 1102	Proof of Service re Summons and Complaint for YouTube, LLC, <i>Realtime Adaptive Streaming LLC, v. Google LLC</i> , D.I. 15, Case No. 18-cv-03629 FMO (JCx) (C.D. Cal.)
GOOGLE/ COMCAST 1103	Proof of Service re Summons and Complaint for Comcast Corporation, <i>Realtime Adaptive Streaming, LLC v. Comcast Cable Communications, LLC and Comcast Corporation</i> , D.I. 19, Case No. 18-cv-01446 PAB (STV) (D. Col.)

CERTIFICATE OF SERVICE

Pursuant to 37 CFR § 42.6(e)(4), the undersigned certifies that on December 2, 2019, a complete and entire copy of this Petitioners' Updated Exhibit List, and Exhibit 1036, were provided via email to the Patent Owner by serving the correspondence email addresses of record as follows:

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