

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 IPR2018-01342
Patent 8,934,535

PETITIONERS' UPDATED EXHIBIT LIST

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 *Realtime Data LLC v. Rackspace US, Inc. et al.*, Dkt. No. 183, Case No. 6-16-cv-00961 (E.D. Tex. June 29, 2016)
- DISH1010 *Realtime Data LLC v. Actian Corporation et al.*, 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 *Realtime Adaptive Streaming LLC v. Sling TV L.L.C. et al.*, Case No. 1:17-cv-02097-RBJ (D. Colo.)
- DISH1012 *Realtime Data, LLC d/b/a IXO v. Packeteer, Inc., et al.*, No. 6:08-cv-00144 Docket No. 371, p. 59 (E.D. Tex. June 22, 2009)
- DISH1013 Held, G. *Data Compression: Techniques and Applications, Hardware and Software Considerations*, John Wiley & Sons, 1983

- DISH1014 Fahie, John Jacob (1884). *A History of Electric Telegraphy, to the Year 1837*. E. & F.N. Spon.
- DISH1015 Mag, Lond Mechanics. "Mr. Bain's Electric Printing Telegraph." 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. *Proceedings of the IRE*, 40(9), 1098-1101.
- DISH1017 Shannon, C. E. (1949). Communication theory of secrecy systems. *Bell Labs Technical Journal*, 28(4), 656-715.
- DISH1018 Tekalp, A. M. (1995). *Digital video processing*. Prentice Hall Press.
- DISH1019 Bovik, Alan C. *Handbook of image and video processing*. Academic press, 2009.
- DISH1020 Jim Taylor, *DVD Demystified* (1998)
- DISH1021 Zhang, Z. L., Wang, Y., Du, D. H. C., & Su, D. (2000). *Video staging: A proxy-server-based approach to end-to-end video delivery over wide-area networks*. *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., *Traffic Shaping, Bandwidth Allocation, and Quality Assessment for MPEG Video Distribution over Broadband Networks*, *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, *Realtime Adaptive Streaming LLC v. EchoStar Technologies, L.L.C. et al.*, Case No. 6:17-cv-00567 (E.D. Tex. Oct. 10, 2017)
- DISH1028 Complaint for Patent Infringement, *Realtime Adaptive Streaming LLC v. Sling TV L.L.C. et al.*, 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., *Digital Video: An Introduction to MPEG-2* (2002)
- DISH1034 Armvith, Supavadee, et al., *MPEG-1 and MPEG-2 Video Standards*, Academic Press (1999)
- DISH1035 Transcript of September 3, 2019, Teleconference between Board and parties

