UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

COMCAST CABLE COMMUNICATIONS, LLC,
Petitioner,

v.

ENTROPIC COMMUNICATIONS, LLC,
Patent Owner.

Case IPR2025-00180
Patent 11,785,275

PETITIONER'S UPDATED EXHIBIT LIST

EXHIBITS

Previously Filed:

Ex. 1001:	U.S. Patent No. 11,785,275 ("the '275 patent")
Ex. 1002:	Expert Declaration of David B. Lett
Ex. 1003:	Curriculum Vitae of David B. Lett
Ex. 1004:	Certified Prosecution History of the '275 patent
Ex. 1005:	Certified Prosecution History of U.S. Patent No. 11,490,152 ("the parent")
Ex. 1006:	Reserved
Ex. 1007:	Certified Prosecution History of U.S. Provisional App. No. 61/170,526 ("'526 provisional")
Exs. 1008-1012:	Reserved
Ex. 1013:	U.S. Pub. No. 2003/0056221 ("Zhang")
Ex. 1014:	U.S. Patent No. 7,237,214 ("Pandey")
Ex. 1015:	Excerpts of "IEEE Std 100-2000, The Authoritative Dictionary of IEEE Standards Terms, Seventh Edition" (IEEE Press. 2000) ("IEEE Std 100")
Ex. 1016:	Excerpts of Jan M Rabaey, "Digital Integrated Circuits: A Design Perspective" (Pearson, 2nd ed. 2002) ("Rabaey")
Ex. 1017:	A. P. Chandrakasan, "Ultra low power digital signal processing," Proceedings of 9th International Conference on VLSI Design, Bangalore, India, 1996, pp. 352-357 ("Chandrakasan")
Ex. 1018:	S. Mirabbasi and K. Martin, "Classical and Modern Receiver Architectures," IEEE Communications Magazine, vol. 38, no. 11, pp. 132-139, November 2000 ("Mirabbasi")
Ex. 1019:	U.S. Patent No. 6,061,406 ("Carson")

Ex. 1020:	Reserved
Ex. 1021:	Data-Over-Cable Service Interface Specifications, DOCSIS 2.0, Radio Frequency Interface Specification, CM-SP-RFIv2.0-I11-060602
Exs. 1022-1024:	Reserved
Ex. 1025:	J. Crols and M. S. J. Steyaert, "Low-IF topologies for high-performance analog front ends of fully integrated receivers," IEEE Transactions on Circuits and Systems II: Analog and Digital Signal Processing, vol. 45, no. 3, pp. 269-282, March 1998 ("Crols")
Ex. 1026:	Reserved
Ex. 1027:	U.S. Patents and Patent Applications Family Tree for the '275 patent
Exs. 1028-1032:	Reserved
Ex. 1033:	Excerpts of W. Ciciora, J. Farmer, D. Large, and M. Adams, "Modern Cable Television Technology: Video, Voice, and Data Communications" (2nd ed. 2004) ("Ciciora")
Ex. 1034:	Excerpts of J. Crols and M. Steyaert, "CMOS Wireless Transceiver Design" (1997)
Ex. 1035:	U.S. Patent No. 7,340,230 ("Khoini-Poorfard")
Ex. 1036:	U.S. Pub. No. 2003/0217362 ("Summers")
Ex. 1037:	U.S. Pub. No. 2006/0256799 ("Eng")
Ex. 1038:	U.S. Pub. No. 2006/0083335 ("Seendripu")
Ex. 1039:	Excerpts of Chris Bowick, "RF Circuit Design" (2nd ed. 2008)
Ex. 1040:	Reserved

Ex. 1041:	Excerpts of Roland Priemer, "Introductory Signal Processing" (1991)
Ex. 1042:	U.S. Patent No. 7,272,375 ("Tuttle")
Ex. 1043:	U.S. Patent No. 7,130,576 ("Gurantz")
Ex. 1044:	U.S. Patent No. 5,278,837 ("Kelley")
Ex. 1045:	Jeffrey Hugh Reed, "Software Radio: A Modern Approach to Radio Engineering" (2002)
Ex. 1046:	U.S. Patent No. 7,213,042 ("Cannon")
Ex. 1047:	Reserved
Ex. 1048:	Excerpts of William Buchanan, "Computer Busses" (2000) ("Buchanan")
Ex. 1049:	U.S. Patent No. 7,079,528 ("Ziegler")
Ex. 1050:	Excerpts of "Software Defined Radio: Enabling Technologies" (Walter H.W. Tuttlebee ed., 2003)
Ex. 1051:	U.S. Pub. No. 2005/0183015 ("Dunton")
Exs. 1052-1072:	Reserved
Ex. 1073:	Expert Declaration of Dr. Sylvia Hall-Ellis
Ex. 1074:	Reserved
Ex. 1075:	U.S. Patent No. 6,791,995 ("Azenkot")
Ex. 1076:	U.S. Patent No. 6,542,203 ("Shadwell")
Ex. 1077:	International Publication No. WO 2004/059933 ("Zhang '933")
Ex. 1078:	U.S. Pub. No. 2004/0250284 ("Dong")
Ex. 1079:	U.S. Patent No. 3,968,444 ("Tenny")

Previously Served (Not Filed):

Ex. 1080: Supplemental Expert Declaration of Dr. Sylvia Hall-Ellis

Previously Filed:

Ex. 1081: Reserved

Ex. 1082: April 1, 2025 *Ex Parte* Reexamination Certificate and February 10, 2025 Notice of Intent to Issue *Ex Parte* Reexamination Certificate; Reexamination No. 90/019,255 re US 9,210,362

Ex. 1083: Complaint, *Entropic Communications, LLC v. Comcast Corporation, et al.*, 2:25-cv-07969-JWH-KES (C.D. Cal. Aug. 23, 2025)

Ex. 1084: Joint Claim Construction and Pre-Hearing Statement, *Entropic Communications, LLC v. Cox Communications, Inc., et al.*, 2:23-cv-01049-JWH-KES (C.D. Cal. Apr. 19, 2024)

Ex. 1085: Reply Declaration of David B. Lett

Ex. 1086: United States Frequency Allocations, The Radio Spectrum, U.S. Department of Commerce, National Telecommunications and Information Administration, October 2003

Ex. 1087: Excerpts from *Entropic Communications, LLC v. Comcast Corp. et al.*, No. 2:23-cv-01050 (C.D. Cal.), Document 128-20 (Exhibit 20 of Entropic's Second Amended Complaint – Entropic's infringement chart for the '275 patent)

Ex. 1088: The American Heritage College Dictionary, fourth edition, 2002, excerpt including definition of "select"

Ex. 1089: Transcript of Deposition of Dr. Russ

Ex. 1090: Final Written Decision (Paper 45) in IPR2024-00432 finding all claims of U.S. Patent No. 9,210,362 ("the '362 patent") unpatentable

Ex. 1091: Final Written Decision (Paper 45) in IPR2024-00435 finding all claims of U.S. Patent No. 11,381,866 ("the '866 patent") unpatentable

Ex. 1092: Final Written Decision (Paper 46) in IPR2024-00438 finding all claims of U.S. Patent No. 11,399,206 ("the '206 patent") unpatentable

Ex. 1093: Transcript of Oral Hearing held on July 18, 2025 for IPR2024-00432, IPR2024-00435, and IPR2024-00438

Ex. 1094: U.S. Patent No. 11,399,206 ("the '206 patent")

Previously Served (Not Filed):

Ex. 1095: Second Supplemental Expert Declaration of Dr. Sylvia Hall-Ellis

Filed Herewith:

Ex. 1096: Petitioner's Demonstratives

Respectfully submitted

Dated: January 20, 2026

By: /Frederic M. Meeker/

Frederic M. Meeker
Reg. No. 35,282

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.105, I hereby certify that I caused a true and correct copy of this **PETITIONER'S UPDATED EXHIBIT LIST** in connection with IPR2025-00180 to be served via e-mail on January 20, 2026, in its entirety on the following counsel of record for Patent Owner:

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