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 IPR2024-00438
Patent 11,399,206 B2

PETITIONER'S UPDATED EXHIBIT LIST

EXHIBITS

Previously Filed:

Ex. 1001:	U.S. Patent No. 11,399,206 ("the '206 patent")
Ex. 1002:	Expert Declaration of David B. Lett
Ex. 1003:	Curriculum Vitae of David B. Lett
Ex. 1004:	Certified Prosecution History of the '206 patent
Ex. 1005:	Certified Prosecution History of U.S. Patent No. 9,100,622
Ex. 1006:	Certified Prosecution History of U.S. Patent No. 8,526,898
Ex. 1007:	Certified Prosecution History of U.S. Provisional App. No. 61/170,526 ("'526 provisional")
Ex. 1008:	Reserved
Ex. 1009:	Reserved
Ex. 1010:	Reserved
Ex. 1011:	Reserved
Ex. 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:	U.S. Pub. No. 2006/0233147 ("Karabinis")
Ex. 1021:	Data-Over-Cable Service Interface Specifications, DOCSIS 2.0, Radio Frequency Interface Specification, CM-SP-RFIv2.0-I11-060602
Ex. 1022:	Certified File History (as of February 2, 2024) for *Ex Parte* Reexamination No. 90/019,255
Ex. 1023:	Certified Prosecution History of U.S. Patent No. 9,100,363
Ex. 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:	U.S. Pub. No. 2007/0027943 ("Jensen '943")
Ex. 1027:	U.S. Patents and Patent Applications Family Tree for U.S. Patent No. 11,399,206
Ex. 1028:	Reserved
Ex. 1029:	Entropic Communications, LLC v. Charter Communications, Inc., No. 2:22-cv-00125-JRG (E.D. Tex. June 26, 2023) (Claim Construction Memorandum Opinion and Order)
Ex. 1030:	Reserved

Ex. 1031:	Reserved
Ex. 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)

Exs. 1051-1072: 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. 1078: Second Expert Declaration of David B. Lett

Ex. 1079: Transcript of Deposition of Dr. Russ

Ex. 1080: Petitioner Demonstratives

Ex. 1081: Petitioner's Counter Designations to Patent Owner's Designations from Exhibit 2023

Served (Not Filed):

Ex. 1077: Second Expert Declaration of Sylvia Hall-Ellis, Ph.D

Filed Herewith:

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, 2025)

Ex. 1085: Decision Granting Institution of Inter Partes Review in IPR2025-00180 for U.S. Patent No. 11,785,275 ("the '275 Patent")

Respectfully submitted

Dated: September 26, 2025

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 IPR2024-00438 to be served via e-mail on September 26, 2025, in its entirety on the following counsel of record for Patent Owner:

JASON.ENGEL.PTAB@KLGATES.COM
WEATHERWAX@LOWENSTEINWEATHERWAX.COM
ENTROPIC_IPRS@LOWENSTEINWEATHERWAX.COM
ERIK.HALVERSON@KLGATES.COM
KYLE.KANTAREK@KLGATES.COM
NOLAN.HUBBARD@KLGATES.COM
MATTHEW.BLAIR@KLGATES.COM

Dated: September 26, 2025 By: /Carlos Goldie/

Carlos Goldie