

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

AMAZON.COM SERVICES LLC and AMAZON WEB SERVICES, INC.,
Petitioners

v.

HEADWATER RESEARCH LLC,
Patent Owner.

IPR2026-00106

U.S. Patent No. 10,321,320

PETITIONERS' UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioners Amazon.com Services LLC and Amazon Web Services, Inc. hereby submit a current listing of Petitioners' exhibits. Exhibit 1050 is being filed today.

EXHIBIT LIST

No.	Exhibit
1001	U.S. Patent No. 10,321,320 (“’320 patent” or “’320Pat”)
1002	File History of the ’320 patent (“’320FH”)
1003	Declaration and Curriculum Vitae of Dr. Patrick Traynor (“Traynor”)
1004	3GPP TS 23.140 v6.9.0 (2005-03); 3rd Generation Partnership Project; Technical Specification Group Terminals; Multimedia Messaging Service (MMS); Functional Description; Stage 2 (“TS-23.140”)
1005	U.S. Patent Pub. No. 2006/0190720 to Ozaki et al. (“Ozaki”)
1006	WO 2008/048075 to Lee et al. (“Lee”)
1007	WO 2006/077283 to Houghton et al. (“Houghton”)
1008	U.S. Patent Pub. No. U.S. 2009/0158397 to Herzog et al. (“Herzog”)
1009	U.S. Patent No. U.S. 7,925,717 to Chou et al. (“Chou”)
1010	Open Mobile Alliance; Multimedia Messaging Service Architecture Overview (MMSARCH) specification, July 15, 2004, available at https://www.openmobilealliance.org/release/MMS/V1_1-20040715-A/OMA-WAP-MMS-ARCH-V1_1-20040715-A.pdf
1011	Open Mobile Alliance; OMA-ERELD-MMS-v1_2-20030923-C, Enabler Release Definition for MMS Version

No.	Exhibit
	1.2, Sept. 23, 2003, <i>available at</i> https://www.openmobilealliance.org/release/MMS/V1_2-20030923-C/OMA-ERELD-MMS-V1_2-20030923-C.pdf
1012	U.S. Patent No. U.S. 7,509,487 to Lu et al. (“Lu”)
1013	Technical Specification Group Services and System Aspects Meeting #19, TSGS#19(03)0167, European Telecommunications Standards Institute February 2003, Mar. 12, 2003, <i>available at</i> https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_19/Docs/PDF/SP-030167.pdf
1014	U.S. Patent Pub. No. U.S. 2005/0207379 to Shen et al. (“Shen”)
1015	RESERVED
1016	Declaration of Friedhelm Rodermund
1017	U.S. Patent Pub. No. U.S. 2009/0240807 to Munson et al. (“Munson”)
1018	EP Patent Application EP1853044 to Shenfield (“Shenfield”)
1019	U.S. Patent No. U.S. 7,082,615 to Ellison et al. (“Ellison”)
1020	RESERVED
1021	U.S. Patent Pub. No. 2008/0162637 to Adamczyk et al. (“Adamczyk”)
1022	Dismissal with Prejudice, <i>Headwater Research LLC v. Samsung Electronics Co.</i> , Case No. 2:23-cv-00103 (E.D. Tex., May 1, 2025), ECF No. 438
1023	Claim Construction Order, <i>Headwater Research LLC v. Samsung Electronics Co.</i> , Case No. 2:23-cv-00103 (E.D. Tex., Aug. 22, 2024), ECF No. 118

No.	Exhibit
1024	Gang Lu, et al., <i>Heading for Multimedia Message Service in 3G</i> , 6th IEE International Conference on 3G and Beyond, Washington, D.C., USA, Nov. 7-9, 2005
1025	RFC 4355, IANA Registration for Enumservices Email, Fax, MMS, EMS, and SMS (Jan. 2006)
1026	Friedhelm Rodermund, <i>A Picture Speaks a Thousand Words – From SMS to MMS</i> , in <i>Business Briefing: Wireless Technology</i> (2003)
1027	IETF RFC 793, Transmission Control Protocol (Sept. 1981), available at https://www.ietf.org/rfc/rfc793.txt
1028	The TLS Protocol Version v 1.0 (Jan. 1999), available at https://datatracker.ietf.org/doc/html/rfc2246
1029	Complaint for Patent Infringement, <i>Headwater Research LLC v. Samsung Electronics Co.</i> , Case No. 2:23-cv-00103 (E.D. Tex. Mar. 10, 2023), ECF No. 1
1030	Roger M. Needham & Michael D. Schroeder, <i>Using Encryption for Authentication in Large Networks of Computers</i> , ACM, Vol. 21, No. 12 (Dec. 1978) (“Needham”)
1031	Michael D. Schroeder & Jerome H. Saltzer, <i>A Hardware Architecture for Implementing Protection Rings</i> ACM, Vol. 15, No. 3 (Mar. 1972) (“Schroeder”)
1032	Jerome H. Saltzer & Michael D. Shroeder, <i>The Protection of Information in Computer Systems</i> IEEE Proceedings, Vol. 63, No. 9 (Sept. 1975) (“Saltzer”)
1033	Bo Li et al., <i>Symbian OS platform security model</i> , in <i>Login Magazine</i> (Aug. 2010) available at https://www.usenix.org/system/files/login/articles/73507-li.pdf (“Li”)

No.	Exhibit
1034	Philip Zimmermann, “Pretty Good Privacy: RSA Public Key Cryptography for the Masses,” PGP User’s Guide, Version 1.0, (June 1991), <i>available at</i> https://www.techinsider.org/freesoftware/research/acrobat/910605.pdf (“Zimmerman”)
1035	B. Ramsdell, <i>S/MIME Version 3 Message Specification</i> , IETF RFC 2633, (June 1999), <i>available at</i> https://datatracker.ietf.org/doc/html/rfc2633 (“Ramsdell”)
1036	Miraj E. Mostafa, <i>Transporting data between wireless applications using a messaging system—MMS (Wireless Comms. and Mobile Computing</i> (July 7, 2006) (“Mostafa”)
1037	U.S. Patent Pub. No. 2008/0243999 to Pazhyannur et al. (“Pazhyannur”)
1038	U.S. Patent Pub. No. 2008/0215883 to Fok et al. (“Fok”)
1039	U.S. Patent Pub. No. 2003/0126282 to Sarkar et al. (“Sarkar”)
1040	U.S. Patent Pub. No. 2007/0037610 to Logan (“Logan”)
1041	U.S. Patent Pub. No. 2005/0091380 to Gonen et al. (“Gonen”)
1042	U.S. Patent Pub. No. 2004/0258063 to Raith et al. (“Raith”)
1043	U.S. Patent Pub. No. 2004/0085894 to Wang et al. (“Wang”)
1044	U.S. Patent No. 6,094,424 to Kalmanek et al. (“Kalmanek”)
1045	Simon Higginson, <i>Platform Security Concepts</i> , in SYMBIAN OS PLATFORM SECURITY: SOFTWARE DEVELOPMENT USING THE SYMBIAN OS SECURITY ARCHITECTURE, 17, 17-41 (Craig Heath ed., 2006) (“Higginson”)

No.	Exhibit
1046	U.S. Patent Pub. No. 2003/0193967 to Fenton et al. ("Fenton")
1047	U.S. Patent Pub. No. 2004/0111476 to Trossen et al. ("Trossen")
1048	U.S. Patent Pub. No. 2005/0282531 to Andreasson et al. ("Andreasson")
1049	U.S. Patent No. 9,615,192 to Raleigh ("192 patent" or "192Pat")
1050	Stipulation Letter, dated December 23, 2025

Respectfully submitted,

/ Jessica Kaiser /

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Date: December 23, 2025

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I certify that on December 23, 2025, a copy of PETITIONERS' UPDATED EXHIBIT LIST, and EXHIBIT 1050 were served upon the below-listed counsel via FedEx:

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C/O Farjami & Farjami LLP
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A courtesy copy was also sent via electronic mail to Patent Owner's counsel listed below:

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