

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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

v.

HEADWATER RESEARCH LLC,  
Patent Owner.

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IPR2026-00088

U.S. Patent No. 9,615,192

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**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 1046 is being filed today.

### EXHIBIT LIST

No.	Exhibit
1001	U.S. Patent No. 9,615,192 (“’192 patent” or “’192Pat”)
1002	File History of the ’192 patent (“’192FH”)
1003	Declaration and Curriculum Vitae of Dr. Patrick 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. 2009/0158397 to Herzog et al. (“Herzog”)
1009	U.S. Patent No. 7,925,717 to Chou et al. (“Chou”)
1010	Open Mobile Alliance; Multimedia Messaging Service Architecture Overview (MMSARCH) specification, July 15, 2004, <i>available at</i> <a href="https://www.openmobilealliance.org/release/MMS/V1_1-20040715-A/OMA-WAP-MMS-ARCH-V1_1-20040715-A.pdf">https://www.openmobilealliance.org/release/MMS/V1_1-20040715-A/OMA-WAP-MMS-ARCH-V1_1-20040715-A.pdf</a>
1011	Open Mobile Alliance; OMA-ERELD-MMS-v1_2-20030923-C, Enabler Release Definition for MMS Version 1.2, Sept. 23, 2003, <i>available at</i> <a href="https://www.openmobilealliance.org/release/MMS/V1_2-20030923-C/OMA-ERELD-MMS-V1_2-20030923-C.pdf">https://www.openmobilealliance.org/release/MMS/V1_2-20030923-C/OMA-ERELD-MMS-V1_2-20030923-C.pdf</a>

No.	Exhibit
1012	U.S. Patent No. 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> <a href="https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_19/Docs/PDF/SP-030167.pdf">https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_19/Docs/PDF/SP-030167.pdf</a>
1014	U.S. Patent Pub. No. 2005/0207379 to Shen et al. (“Shen”)
1015	U.S. Patent Pub. No. 2009/0282256 to Rakic et al. (“Rakic”)
1016	Declaration of Friedhelm Rodermund
1017	U.S. Patent Pub. No. 2009/0240807 to Munson et al. (“Munson”)
1018	EP Patent Application EP1853044 to Shenfield (“Shenfield”)
1019	U.S. Patent No. 7,082,615 to Ellison et al. (“Ellison”)
1020	U.S. Patent Pub. No. 2005/0144294 to Gellens et al. (“Gellens”)
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
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)

No.	Exhibit
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 <a href="https://www.ietf.org/rfc/rfc793.txt">https://www.ietf.org/rfc/rfc793.txt</a>
1028	The TLS Protocol Version v 1.0 (Jan. 1999), available at <a href="https://datatracker.ietf.org/doc/html/rfc2246">https://datatracker.ietf.org/doc/html/rfc2246</a>
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 <a href="https://www.usenix.org/system/files/login/articles/73507-li.pdf">https://www.usenix.org/system/files/login/articles/73507-li.pdf</a> (“Li”)
1034	Philip Zimmermann, <i>Pretty Good Privacy: RSA Public Key Cryptography for the Masses</i> , PGP User’s Guide, Version 1.0, (June 1991), available at <a href="https://www.techinsider.org/freesoftware/research/acrobat/910605.pdf">https://www.techinsider.org/freesoftware/research/acrobat/910605.pdf</a> (“Zimmerman”)
1035	B. Ramsdell, <i>S/MIME Version 3 Message Specification</i> , IETF RFC 2633 (June 1999), available at <a href="https://datatracker.ietf.org/doc/html/rfc2633">https://datatracker.ietf.org/doc/html/rfc2633</a> (“Ramsdell”)
1036	Miraj E. Mostafa, <i>Transporting data between wireless applications using a messaging system—MMS</i> (Wireless Comms. and Mobile Computing (July 7, 2006) (“Mostafa”)
1037	RESERVED

No.	Exhibit
1038	RESERVED
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	RESERVED
1042	RESERVED
1043	U.S. Patent Pub. No. 2004/0085894 to Wang et al. (“Wang”)
1044	RESERVED
1045	Simon Higginson, <i>Platform Security Concepts, in SYMBIAN OS PLATFORM SECURITY: SOFTWARE DEVELOPMENT USING THE SYMBIAN OS SECURITY ARCHITECTURE</i> , 17-41 (Craig Heath ed., 2006) (“Higginson”)
1046	Stipulation Letter, dated December 23, 2025

Respectfully submitted,

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**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 1046 were served upon the below-listed counsel via FedEx:

Headwater Research LLC  
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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