Paper No. 17
Filed: April 30, 2024

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD and
SAMSUNG ELECTRONICS AMERICA, INC.,
Petitioner,

v.

APEX BEAM TECHNOLOGIES LLC,
Patent Owner.

Case IPR2023-00571
Patent No. 10,951,271

PETITIONER'S UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. (collectively "Petitioner") hereby submits a current listing of Petitioner exhibits. Exhibits 1033-1037 are being filed today.

Exhibit	Description
1001	U.S. Patent No. 10,951,271 ("the '271 patent")
1002	File History of U.S. Patent No. 10,951,271
1003	Declaration of Apostolos K. Kakaes, Ph.D. ("Kakaes")
1004	CV of Apostolos K. Kakaes, Ph.D.
1005	International Publication WO2016/015307 A1 to Liu et al.
1006	Certified English translation of International Publication WO2016/015307 A1 to Liu et al. ("*Liu*")
1007	Certification of English translation of International Publication WO2016/015307 A1 to Liu et al.
1008	International Publication WO2016/126099 A1 to Park et al.
1009	Certified English translation of International Publication WO2016/126099 A1 to Park et al. ("*Park*")
1010	Certification of English translation of International Publication WO2016/126099 A1 to Park et al.
1011	U.S. Patent Application Publication No. 2013/0308608 A1 to Hu et al. ("*Hu*")
1012	U.S. Patent Application Publication No. 2011/0038330 A1 to Luo et al. ("*Luo*")
1013	U.S. Patent Application Publication No. 2011/0176519 A1 to Vitthaladevuni et al. ("*Vitthaladevuni*")

Exhibit	Description
1014	Excerpts from Stefania Sesia et al., *LTE – The UMTS Long Term Evolution from Theory to Practice* (John Wiley & Sons, Ltd. 2d ed. 2011) ("*Sesia LTE*")
1015	3GPP TS 36.133 v13.2.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management (Release 13)") (Jan. 2016)
1016	3GPP TS 36.211 v13.0.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (Release 13)") (Dec. 2015)
1017	3GPP TS 36.212 v13.0.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (Release 13)") (Dec. 2015)
1018	3GPP TS 36.213 v13.0.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (Release 13)") (Dec. 2015)
1019	3GPP TS 36.214 v13.0.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements (Release 13)") (Dec. 2015)
1020	3GPP TS 36.331 v13.0.0 ("Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (Release 13)") (Dec. 2015)
1021	Farhana Afroz et al., *SINR, RSRP, RSSI and RSRQ Measurements in Long Term Evolution Networks*, International Journal of Wireless & Mobile Networks (IJWMN), Vol. 7, No. 4, pp. 113-123 (Aug. 2015) ("*Afroz*")

Exhibit	Description
1022	*Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG, Dkt. No. 1, Complaint for Patent Infringement (E.D. Tex. June 1, 2022)
1023	Reserved
1024	*Apex Beam Technologies LLC v. Samsung Electronics Co., Ltd. et al.*, No. 2:22-cv-00188-JRG, Dkt. No. 37, Docket Control Order (E.D. Tex. Feb. 6, 2023)
1025	3GPP Declaration of Friedhelm Rodermund
1026	*Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG, Plaintiff's Infringement Contentions Cover Pleading (Jan. 5, 2023)
1027	U.S. Patent Application Publication No. 2015/0036612 A1 to Kim et al. ("*Kim*")
1028	International Publication WO2015/131494 A2 to Chen et al.
1029	Certified English translation of International Publication WO2015/131494 A2 to Chen et al. ("*Chen*")
1030	Certification of English translation of International Publication WO2015/131494 A2 to Chen et al.
1031	*Apex Beam Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, No. 2:22-cv-00188-JRG, Plaintiff's Infringement Contentions, Appendix E - Claim Chart for US Patent No. 10,951,271 Against Samsung Accused Products (Jan. 5, 2023)
1032	Petitioner's *Sotera* Stipulation
1033	Xiaobo Zhang LinkedIn Profile, https://www.linkedin.com/in/xiaobozhang-a1423111/?originalSubdomain=cn (last visited Jan. 26, 2024)
1034	Ni Ma & Xiabo Zhang, *A CDD Based MIMO-HARQ Transmission Scheme*, Proceedings of APCC2008, 2008

Exhibit	Description
1035	Dong Li et al., *Energy-efficient Dynamic Cooperative Virtual MIMO Based Routing Protocol in Wireless Sensor Networks*, 2013 8th International Conference on Communications and Networking in China (CHINACOM), 2013, pp. 523-27
1036	Deposition Transcript of Miguel Gomez, *Apex Beam Technologies LLC v. Samsung Electronics Co., Ltd.*, Case No. 2:22-CV-00031-JRG-RSP (E.D. Tex., Nov. 1, 2023)
1037	Deposition Transcript of Miguel Gomez, *Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. v. Apex Beam Technologies LLC*, IPR2023-00603 (PTAB, Mar. 13, 2024)

Dated: April 30, 2024

Respectfully submitted,

/Kevin D. Rodkey/
Kevin D. Rodkey
Reg. No. 65,506
Backup counsel for Petitioner

CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing **Petitioner's Updated Exhibit List** and **Exhibits 1033-1037** were served electronically via email on April 30, 2024, in their entirety on the following:

Vincent J. Rubino, III
Peter Lambrianakos
Enrique W. Iturralde
FABRICANT LLP
411 Theodore Fremd Avenue,
Suite 206 South
Rye, New York 10580
vrubino@fabricantllp.com
plambrianakos@fabricantllp.com
eiturralde@fabricantllp.com
PTAB@fabricantllp.com

Patent Owner has consented to service by email.

Dated: April 30, 2024

/William Esper/
William Esper
Case Manager and PTAB Coordinator
FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, LLP