

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.
Petitioner,

v.

APEX BEAM TECHNOLOGIES
LLC
Patent Owner.

Case IPR2025-00905
Patent 11,917,581

PETITIONER'S UPDATED EXHIBIT LIST

LIST OF EXHIBITS

APPLE-1001	U.S. Patent No. 11,917,581
APPLE-1002	U.S. Patent No. 11,917,581 File History
APPLE-1003	Declaration of Dr. Zhi Ding
APPLE-1004	International Patent Publication No. WO 2018/126401 to Liu et al., filed January 5, 2017, and published July 12, 2018 (“ <i>Liu</i> ”)
APPLE-1005	U.S. Patent 10,491,447 to Yeo et al., filed August 22, 2017, and claiming priority to KR applications 10-2016-0106427 (filed August 22, 2016) and 10-2016-0125809 (filed September 29, 2016) (“ <i>Yeo</i> ”)
APPLE-1006	Certified translated copy of KR Application 10-2016-0125809 (filed September 29, 2016) (“ <i>Yeo-Priority</i> ”)
APPLE-1007	International Patent Publication No. WO 2017/052199 to You et al., filed September 21, 2016, and published March 30, 2017 (“ <i>You</i> ”)
APPLE-1008	International Patent Publication No. WO 2016/136143 to Mallick et al., filed January 28, 2016, and published September 1, 2016 (“ <i>Mallick</i> ”)
APPLE-1009	3GPP TS 36.304 V14.2.0, Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (Release 14), March 2017, (“ <i>TS36</i> ”).
APPLE-1010	U.S. Patent Publication No. 2012/0122495 to Weng et al., filed November 11, 2010, and published May 17, 2012 (“ <i>Weng</i> ”)

- APPLE-1011 International Patent Publication No. WO 2017/174469 to Wong et al., filed March 31, 2017, and published October 12, 2017 (“*Wong*”)
- APPLE-1012 International Patent Publication No. WO 2017/026983 to Khoryaev et al., filed December 26, 2015, and published February 16, 2017 (“*Khoryaev*”)
- APPLE-1013 International Patent Publication No. WO 2015/113664 to Webb et al., filed November 13, 2014, and published August 6, 2015 (“*Webb*”)
- APPLE-1014 RESERVED
- APPLE-1015 International Patent Publication No. WO 2016/130175 to Fwu et al., filed August 11, 2015, and published August 18, 2016 (“*Fwu*”)
- APPLE-1016 U.S. Patent Publication No. 2017/0215170 to Islam et al., filed January 26, 2016, and published July 27, 2017 (“*Islam*”).
- APPLE-1017 International Patent Publication No. WO 2017/079530 to Pelletier, filed November 4, 2016, and published May 11, 2017 (“*Pelletier*”).
- APPLE-1018 International Patent Publication No. WO 2017/171398 to Yi et al., filed March 29, 2017, and published October 5, 2017 (“*Yi*”)
- APPLE-1019 U.S. Patent No. 9,225,440 to Swarts et al., filed September 14, 2012, and issued December 29, 2015 (“*Swarts*”).
- APPLE-1020 U.S. Patent Publication No. 2015/0215944 to Kim et al., filed January 29, 2015, and published July 30, 2015 (“*Kim*”).

- APPLE-1021 U.S. Patent Publication No. 2011/0038330 to Luo et al., filed July 29, 2010, and published February 17, 2011 (“*Luo*”).
- APPLE-1022 Declaration of Friedhelm Rodermund
- APPLE-1023 First Amended Complaint – filed May 2, 2024; *Apex Beam Technologies LLC, v. Apple Inc.*, Case No. 6:24-cv-00223-ADA-DIG, W.D. Tex.
- APPLE-1024 R1-165162, *On Numerology for New Radio Access Technology*, 3GPP TSG RAN WG1 Meeting #85, Nanjing, China, 23th – 27th May 2016.
- APPLE-1025 3GPP TS 36.306 V14.1.0, Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (Release 14), December 2016.
- APPLE-1026 A. Roessler, J. Schlien, S. Merkel, M. Kottkamp, “*LTE-Advanced (3GPP Rel.12) Technology Introduction White Paper*”
- APPLE-1027 Original Complaint, *Apex Beam Technologies LLC, v. Apple Inc.*, Case No. 6:24-cv-00223, W.D. Tex., filed April 29, 2024.
- APPLE-1028 Proof of Service of Complaint, *Apex Beam Technologies LLC v. Apple Inc.*, 6:24-cv-00223, W.D. Tex.
- APPLE-1029 August 1, 2025 Stipulation

Respectfully submitted,

Dated: August 1, 2025

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CERTIFICATE OF SERVICE

Pursuant to 37 CFR §§ 42.6(e)(4)(i) *et seq.* and 42.105(b), the undersigned certifies that on August 1, 2025, a complete and entire copy of this Petitioner's Updated Exhibit List and the associated stipulation were provided via email to the Patent Owner via electronic mail on Patent Owner's lead and backup counsel listed below at the following email address:

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