

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.
Petitioner

v.

APEX BEAM TECHNOLOGIES LLC,
Patent Owner

Case IPR2025-00895
Patent 10,568,113

PETITIONER'S UPDATED LIST OF EXHIBITS

LIST OF EXHIBITS

APPLE-1001	U.S. Patent No. 10,568,113
APPLE-1002	U.S. Patent No. 10,568,113 File History
APPLE-1003	Declaration of Dr. Robert Akl
APPLE-1004	U.S. Patent No. 10,779,350 to Xia et al. (“Xia”)
APPLE-1005	U.S. Patent Application Publication No. 2015/0141026 to Jover (“Jover”)
APPLE-1006	3GPP TSG RAN WG1 NR Ad-Hoc#2, Qingdao, P.R. China 27th – 30th June 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1706/Docs) on June 16, 2017 (R1-1710596) (“Proposal 7”)
APPLE-1007	U.S. Patent No. 10,461,994 to Liu et al. (“Liu”)
APPLE-1008	RESERVED
APPLE-1009	Raghav Pandey, Ashwani Awasthi, and Vikas Srivastava, “Comparison between Bit Error Rate And Signal To Noise Ratio in OFDM Using LSE Algorithm,” in Proceedings of the Conference on Advances in Communication and Control Systems (CAC2S 2013), pp. 463-466, Atlantis Press 2013 (“Pandey”)
APPLE-1010	Screen shot of 3GPP Portal showing the upload time of R1-1710596 on the 3GPP website
APPLE-1011	International Patent Publication No. WO 2017/024516 A1 to Lu et al., published February 16, 2017 (“Lu”)

APPLE-1012	U.S. Provisional Application No. 62/543,765 to Xia et al. (“Xia Provisional”)
APPLE-1013	U.S. Patent No. 6,185,432 to Vembu (“Vembu”)
APPLE-1014	U.S. Provisional Application No. 62,521,170 to Liu et al. (“Liu Provisional”)
APPLE-1015	RESERVED
APPLE-1016	3GPP Declaration of Friedhelm Rodermund
APPLE-1017	First Amended Complaint, <i>Apex Beam Tech’s LLC. v. Apple Inc.</i> , 6:24-cv-00223-ADA-DIG (WDTX May 2, 2024)
APPLE-1018	Complaint, <i>Apex Beam Tech’s LLC. v. Apple Inc.</i> , 6:24-cv-00223-ADA-DIG (WDTX April 29, 2024)
APPLE-1019	Proof of Service, <i>Apex Beam Tech’s LLC. v. Apple Inc.</i> , 6:24-cv-00223-ADA-DIG (May 14, 2024)
APPLE-1020	RESERVED
APPLE-1021	3GPP TSG RAN WG1 NR Ad-Hoc#2, R1-1710078, Qingdao, P.R. China 27th – 30th June 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1706/Docs) on June 16, 2017 (“R1-1710078”)
APPLE-1022	3GPP TSG RAN WG1 #87ah-NR, R1-1700771, Spokane, WA, USA, 16th – 20th January, 2017, published in 3GPP website (https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_AH/NR_AH_1701/Docs/) on January 10, 2017 (“R1-1700771”)
APPLE-1023	3GPP TS 36.321 V14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio

Access (E-UTRA); Medium Access Control (MAC)
protocol specification (Release 14)

- APPLE-1024 3GPP TS 36.133 V14.4.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management (Release 14)
- APPLE-1025 3GPP TS 36.213 V14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (Release 14)
- APPLE-1026 3GPP TS 36.300 V.14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (Release 14)
- APPLE-1027 3GPP TS 36.331 V14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (Release 14)
- APPLE-1028 3GPP TS 36.201 V14.1.0 (2017-03) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; General description (Release 14)
- APPLE-1029 3GPP TS 36.212 V14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (Release 14)

APPLE-1030	Joint Claim Construction and Prehearing Statement, Apex Beam Technologies, LLC v. ZTE Corp., 2:22-cv-00031-JRG-RSP (Lead Case) (E.D. Tex) (Sept. 22, 2023)
APPLE-1031	U.S. Patent Publication. No 2017/0215207 to Yi et al. (“Yi”)
APPLE-1032	Memorandum: Interim Processes for PTAB Workload Management (“Stewart Memorandum”)
APPLE-1033	Patent Trial and Appeal Board (PTAB) Boardside Chat Interim processes relating to institution in AIA proceedings (April 24, 2025) <i>available at</i> https://www.uspto.gov/sites/default/files/documents/boardside_chat_interim_process_for_aia_institution_decisions_.pdf
APPLE-1034	RESERVED
APPLE-1035	3GPP TS 36.211 V14.3.0 (2017-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; Physical channels and modulation (Release 14)
APPLE-1036	Patent Owner’s Response, IPR2023-00601, Paper 16
APPLE-1037	Patent Owner’s Response, IPR2023-00602, Paper 16
APPLE-1038	Petitioner’s Reply, IPR2023-00601, Paper 18
APPLE-1039	Oral Hearing Transcript, IPR2023-00601, Paper 28 (PTAB July 24, 2024)
APPLE-1040	Patent Owner Demonstratives, IPR2023-00601, EX2007
APPLE-1041	Decision Granting Institution, IPR2023-00601, Paper 11
APPLE-1042	Apple Inc.’s Sotera Stipulation

Respectfully submitted,

Date: July 3, 2025

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CERTIFICATE OF SERVICE

Pursuant to 37 CFR § 42.6(e)(4), the undersigned certifies that on July 3, 2025, a complete and entire copy of this Petitioner's Updated Exhibit List and accompanying exhibit was provided via email to the Patent Owner by serving the correspondence email address of record as follows:

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