

APPLE, INC., HTC CORPORATION, HTC AMERICA, INC., MICROSOFT CORPORATION, MICROSOFT MOBILE OY, MICROSOFT MOBILE INC., SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS AMERICA, INC., AND ZTE (USA) INC.,

Petitioner,

v.

EVOLVED WIRELESS LLC, Patent Owner.

Case IPR2016-01208¹
Patent 7,746,916 B2

PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE

¹ IPR2016-01277 has been consolidated with this proceeding.



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II.	Claim Construction	
III.	Zhuang327 discloses "a code sequence generator for generating a code sequence having a second length by performing a circular shift to the code sequence having the second length" [Grounds 1a, 1b, and 1c]	
IV.	The combination of Zhuang327 and Hou satisfies the claims and Petitioner has articulated sufficient reasons to combine or modify Zhuang327 with Hou [Grounds 2a and 2b]	
V.	Conclusion	



EXHIBIT LIST

APPLE-1001	U.S. Patent No. 7,746,916 to Han, et al. ("the '916 Patent")
APPLE-1002	Excerpts from the Prosecution History of the '916 Patent ("the Prosecution History")
APPLE-1003	Declaration of Jonathan Wells
APPLE-1004	Curriculum Vitae of Jonathan Wells
APPLE-1005	Definitions of terms "acquire," "generate" and "by" in American Heritage® Dictionary of the English Language, Fourth Edition, Copyright © 2000 by Houghton Mifflin Harcourt Publishing Company
APPLE-1006	U.S. Patent No. 8,340,232 to Ding et al. ("Ding")
APPLE-1007	U.S. Patent No. 7,599,327 to Zhuang et al. ("Zhuang327")
APPLE-1008	Excerpts from the Prosecution History of Zhuang327
APPLE-1009	Popovic, "Generalized chirp-like polyphase sequences with optimum correlation properties", IEEE Trans. On Information Theory, vol. 38, pp. 1406-1409, July 1992 ("Popovic")
APPLE-1010	Declaration of Mr. Gerard Grenier of IEEE
APPLE-1011	U.S. Patent No. 8,116,195 to Hou et al. ("Hou")
APPLE-1012	U.S. Patent No. 7,426,175 to Zhuang et al. ("Zhuang175")
APPLE-1013	[Reserved]
APPLE-1014	[Reserved]
APPLE-1015	[Reserved]
APPLE-1016	[Reserved]



- APPLE-1017 N. Abramson, "THE ALOHA SYSTEM—Another alternative for computer communications," *Proceedings of the Fall Joint Computer Conference*, pp. 281-5, Nov. 1970

 APPLE-1018 3GPP TS 25.213 V6.4.0 (2005-09), "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Spreading and modulation (FDD) (Release 6)"
- APPLE-1019 3GPP TS 25.211 V6.6.0 (2005-09), "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (FDD) (Release 6)"
- APPLE-1020 D.C. Chu, "Polyphase codes with good periodic correlation properties," *IEEE Trans. Information Theory*, vol. 18, pp. 531–532, July 1972
- APPLE-1021 3GPP TS 25.201 V3.0.0 (1999-10), "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical layer General description (3G TS 25.201 version 3.0.0)"
- APPLE-1022 3GPP TS 36.211 V8.0.0 (2007-09), "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (Release 8)"
- APPLE-1023 "Defendants' Preliminary Identification of Terms Needing Construction and Proposed Constructions," from Case Nos. 15-542-SLR-SRF, 15-543-SLR-SRF, 15-544-SLR-SRF, 15-545-SLR-SRF, 15-546-SLR-SRF, 15-547-SLR-SRF filed in N.D. Del.



APPLE-1024	"Evolved Wireless's Identification of Claim Terms and Proposed
	Constructions" from Case Nos. 15-542-SLR-SRF, 15-543-SLR-
	SRF, 15-544-SLR-SRF, 15-545-SLR-SRF, 15-546-SLR-SRF,
	15-547-SLR-SRF filed in N.D. Del.
APPLE-1025	IEEE 802.16-2004 Standard, entitled "IEEE Standard for Local
	and Metropolitan Area Networks Part 16: Air Interface for
	Fixed Broadband Wireless Access Systems" ("IEEE802.16-
	2004")
APPLE-1026	Declaration of Mr. David Ringle for IEEE802.16-2004
APPLE-1027	U.S. Patent No. 7,400,573 to Sundstrom et al. ("Sundstrom")
APPLE-1028	"Joint Claim Construction Statement," filed on May 17th, 2016,
	from Case Nos. 15-542-SLR-SRF, 15-543-SLR-SRF, 15-544-
	SLR-SRF, 15-545-SLR-SRF, 15-546-SLR-SRF, 15-547-SLR-
	SRF filed in N.D. Del.
APPLE-1029	U.S. Patent No. 7,701,919 to Ah Lee ("Ah Lee")
APPLE-1030	U.S. Patent No. 7,693,924 Cho et al. ("Cho")
APPLE-1031	Motorola, Inc. 2004 Annual Report to Stockholders
APPLE-1032	WCDMA for UMTS: Radio Access for Third Generation
	Communications, Holma and Toskala, 3rd ed, Wiley and Sons,
	Ltd., 2004
APPLE-1033	Declaration of Mr. Gerard Grenier for APPLE-1020 (served,
	not filed)
APPLE-1034	Declaration of Mr. Mel DeSart for APPLE-1017 and APPLE-
	1032 (served, not filed)



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