

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ERICSSON INC. AND TELEFONAKTIEBOLAGET
LM ERICSSON,
Petitioner

v.

INTELLECTUAL VENTURES II LLC,
Patent Owner

Patent 7,787,431

Inter Partes Review No. IPR2014-01195

PETITIONER'S UPDATED EXHIBIT LIST

Exhibit	Description
ERIC-1001	U.S. Patent No. 7,787,431 (the '431 patent)
ERIC-1002	U.S. Patent No. 6,904,283 ("Li")
ERIC-1003	U.S. Patent No. 7,782,750 ("Yamaura")
ERIC-1004	U.S. Patent No. 7,426,175 ("Zhuang")
ERIC-1005	U.S. Publication No. 2002/0181509 ("Mody")
ERIC-1006	S. Nobilet, et al., "Spreading Sequences for Uplink and Downlink MC-CDMA Systems: PAPR and MAI Minimization", <i>European Transactions on Communications</i> , pp. 465-473, vol. 13, no. 5, September-October 2002 ("Nobilet")
ERIC-1007	TR101146v3.0.0, "Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept evaluation (UMTS 30.06 version 3.0.0)", December 1997 ("Beta")
ERIC-1008	B. Popovic, "Spreading Sequences for Multicarrier CDMA Systems", <i>IEEE Trans. Comm.</i> , pp. 918-926, vol. 47, no. 6, June 1999 ("Popovic")
ERIC-1009	R. van Nee and R. Prasad, <i>OFDM for Wireless Multimedia Communications</i> , Artech House, pp. 119-154, 2000
ERIC-1010	Prosecution History of the '431 Patent ("File History")
ERIC-1011	<i>Curriculum Vitae</i> of Expert
ERIC-1012	Declaration of Dr. Zygmunt Haas ("Haas Decl.")
ERIC-1013	<i>IEEE 100, The Authoritative Dictionary of IEEE Standards Terms, Seventh Edition</i> , pp. 84 (2000)
ERIC-1014 (served but not filed)	ETSI/SMG (97) 5 Part A, Executive Summary SMG #24, Madrid, December 15-19, 1997 ("SMG Summary")
ERIC-1015 (served but not filed)	TR 101 146 V3.0.0 (1997-12), Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept evaluation (UMTS 30.06 version 3.0.0) ("TR 101 146")
ERIC-1016 (served but not filed)	Document or web page that results from searching http://www.etsi.org/standards-search using search term "UMTS 30.06," and opening resulting hyperlink labeled "ETSI TR 101 146 V3.0.0 (1997-12)"
ERIC-1017 (served but not filed)	Document or web page that results from searching http://www.etsi.org/standards-search using search term "UMTS 30.06," next opening hyperlink labeled <i>ETSI TR 101 146 V3.0.0 (1997-12)</i> and finally opening resulting hyperlink labeled as <i>Publication (1997-12-16)</i>

ERIC-1018 (served but not filed)	ETSI Publications Download Area, https://web.archive.org/web/19990202171432/http://webapp.etsi.fr/publicationssearch/
ERIC-1019 (served but not filed)	How to Retrieve an ETSI Publication? Tips for Searching, https://web.archive.org/web/19990202201535/http://webapp.etsi.fr/publicationssearch/tipshelp.htm
ERIC-1020 (served but not filed)	Complete List of SMG Contact Persons and Participants to SMG#24, Annex 1-Part B
ERIC-1021 (served but not filed)	Status List of Change Requests presented to SMG#24, Annex 2
ERIC-1022 (served but not filed)	B. Popovic, "Spreading Sequences for Multicarrier CDMA Systems", <i>IEEE Trans. Comm.</i> , pp. 918-926, vol. 47, no. 6, June 1999 ("Popovic II")
ERIC-1023 (served but not filed)	Receipt and copy of S. Nobilet, et al., "Spreading Sequences for Uplink and Downlink MC-CDMA Systems: PAPR and MAI Minimization", <i>European Transactions on Communications</i> , pp. 465-473, vol. 13, no. 5, September-October 2002 ("Nobilet") from Documents Delivered
ERIC-1024 (served but not filed)	Receipt and copy of B. Popovic, "Spreading Sequences for Multicarrier CDMA Systems", <i>IEEE Trans. Comm.</i> , pp. 918-926, vol. 47, no. 6, June 1999 ordered from Documents Delivered
ERIC-1025 (served but not filed)	S. Nobilet, et al., "Spreading Sequences for Uplink and Downlink MC-CDMA Systems: PAPR and MAI Minimization", <i>European Transactions on Communications</i> , pp. 465-473, vol. 13, no. 5, September-October 2002 ("Nobilet II")
ERIC-1026 (served but not filed)	U.S. Patent Pub. 2001/0030995, A. Gesret <i>et al.</i>
ERIC-1027 (served but not filed)	U.S. Patent Pub. 2003/0053522, L. Hayoun <i>et al.</i>
ERIC-1028 (served but not filed)	U.S. Patent Pub. 2003/0142733, M. Bolorian
ERIC-1029 (served but not filed)	F. Hillebrand, <i>GSM and UMTS, The Creation of Global Mobile Communication</i> , John Wiley & Sons, Ltd. (2002)

ERIC-1030	H. Newton, <i>Newton's Telecom Dictionary, 16th Edition</i> , CMP Books (2000)
ERIC-1031	Dr. Kenneth Zeger Deposition Transcript for U.S. 7,787,431 ("Zeger Depo")
ERIC-1032	H. Holma and A. Toskala, <i>WCDMA for UMTS, Radio Access for Third Generation Mobile Communications</i> , John Wiley and Sons, Ltd. (2001)
ERIC-1033	U.S. Publication No. 2004/0141522 ("Texerman")
ERIC-1034	Supplemental Declaration of Dr. Zygmunt Haas ("Supp. Haas Decl.")
ERIC-1035	Provisional Application 60/567,233 (priority document for '431 patent)
ERIC-1036 (served but not filed)	Affidavit of Christopher Butler and Attached Exhibit A (formerly labeled as ERIC-1030)
ERIC-1037 (served but not filed)	Declaration of Zygmunt J. Haas (formerly labeled as ERIC-1031)
ERIC-1038 (served but not filed)	Declaration of Stephen Hayes (formerly labeled as ERIC-1032)
ERIC-1039 (served but not filed)	H. Holma and A. Toskala, <i>WCDMA for UMTS, Radio Access for Third Generation Mobile Communications</i> , John Wiley and Sons, Ltd. (2001) (TOC, Chapter 6 and Index; previously served excerpt of Chapt. 6 as ERIC-1032)

Dated: August 4, 2015

Respectfully submitted,

/J. Andrew Lowes/

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of: Li	§	Petition for <i>Inter Partes</i> Review
	§	
U.S. Patent No. 7,787,431	§	Attorney Docket No.: 26069.26
	§	
Issued: August 31, 2010	§	Customer No.: 27683
	§	
Title:	§	Real Party in Interest:
METHODS AND APPARATUS FOR	§	Ericsson Inc. and Telefonaktiebolaget
MULTI-CARRIER	§	LM Ericsson
COMMUNICATIONS WITH	§	
VARIABLE CHANNEL	§	
BANDWIDTH	§	

CERTIFICATE OF SERVICE

The undersigned certifies that service was made on the Patent Owner as detailed below.

Date of service August 4, 2015

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