

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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ERICSSON INC. AND TELEFONAKTIEBOLAGET  
LM ERICSSON,  
Petitioner

v.

INTELLECTUAL VENTURES II LLC,  
Patent Owner

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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 <a href="http://www.etsi.org/standards-search">http://www.etsi.org/standards-search</a> using search term "UMTS 30.06," and opening resulting hyperlink labeled "ETSI TR 101 146 V3.0.0 (1997-12)"

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September 4, 2015

ERIC-1017 (served but not filed)	Document or web page that results from searching <a href="http://www.etsi.org/standards-search">http://www.etsi.org/standards-search</a> 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, <a href="https://web.archive.org/web/19990202171432/http://webapp.etsi.fr/publicationssearch/">https://web.archive.org/web/19990202171432/http://webapp.etsi.fr/publicationssearch/</a>
ERIC-1019 (served but not filed)	How to Retrieve an ETSI Publication? Tips for Searching, <a href="https://web.archive.org/web/19990202201535/http://webapp.etsi.fr/publicationssearch/tips-help.htm">https://web.archive.org/web/19990202201535/http://webapp.etsi.fr/publicationssearch/tips-help.htm</a>
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>

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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, 16<sup>th</sup> 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)
ERIC-1040	Ericsson Demonstrative Exhibits for Oral Argument

Dated: September 4, 2015

Respectfully submitted,

/J. Andrew Lowes/

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* September 4, 2015

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