### UNITED STATES PATENT AND TRADEMARK OFFICE

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## BEFORE THE PATENT TRIAL AND APPEAL BOARD

BRIGHT HOUSE NETWORKS, LLC, WIDEOPENWEST FINANCE, LLC, KNOLOGY OF FLORIDA, INC., BIRCH COMMUNICATIONS, INC.,

Petitioners,

v.

FOCAL IP, LLC,

Patent Owner.

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Case No.: IPR2016-01259 Patent 8,155,298

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### PETITIONERS' UPDATED EXHIBIT LIST

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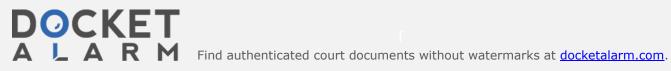
Exhibit Number	Document
1101	U.S. Patent No. 8,115,298 ("the '298 patent")
1102	Expert Declaration of Dr. Thomas La Porta ("TLP")
1103	U.S. Patent No. 6,683,870 to Archer ("Archer")
1104	U.S. Patent No. 5,958,016 to Chang et al. ("Chang")
1105	U.S. Patent No. 6,445,694 to Swartz ("Swartz")
1106	U.S. Patent No. 7,764,777 ("the '777 patent")
1107	U.S. Patent No. 8,457,113 ("the '113 patent")
1108	File history of U.S. Patent No. 8,115,298
1109	File history of U.S. Patent No. 8,457,113
1110	File history of U.S. Patent No. 7,764,777
1111	WO 97/23899 to Harris ("Harris")
1112	U.S. Patent No. 5,802,160 to Kugell
1113	U.S. Patent No. 5,206,901 to Harlow
1114	U.S. Patent No. 6,353,660 to Burger
1115	WO 98/54913 to Arkko
1116	U.S. Patent No. 5,434,852 to La Porta
1117	U.S. Patent No. 6,463,145 to O'Neal
1118	ITU-T Recommendation H.323 ("H.323") (02/98)
1119	ITU-T Recommendation H.225 ("H.225") (09/99)
1120	ITU-T Recommendation Q.1211 ("Q.1211") (03/93)
1121	ITU-T Recommendation Q.1215 ("Q.1215") (10/95)
1122	ITU-T Recommendation Q.1221 ("Q.1221") (09/97)
1123	ITU-T Recommendation H.245 ("H.245") (09/98)
1124	Request for Comments - SIP: Session Initiation Protocol (March 1999) ("SIP")
1125	Tech Report CUCS-002-99 Implementing Intelligent
	Network Services with the Session Initiation Protocol
1126	Low, The Internet Telephony Red Herring (1996)
1127	Modarressi, An Overview of Signaling System No. 7 (1992)
1128	Crumlish, The ABCs of the Internet
1129	Helmstetter, Increasing Hits and Selling More on your
	Web
	Site (1997)
1130	Comer, Internetworking with TCP/IP 2d, Vol. I (1991)
1131	Judson, netmarketing – How Your Business Can Profit
	from
	the Online Revolution (1996)



1132	Newton's Telecom Dictionary 15th ed. (Aug. 1999)
1133	Random House Webster's Computer & Internet
	Dictionary
	3rd ed. (1999)
1134	Request for Comments – The TLS Protocol (Jan. 1999)
1135	Request for Comments – Hypertext Transfer Protocol –
	HTTP/1.1 (June 1999)
1136	ITU-T Recommendation Q.931 ("Q.931") (05/98)
1137	Engineering and Operations in the Bell System (1984)
1138	Thörner, Intelligent Networks (1994)
1139	U.S. Patent No. 5,473,679 ("La Porta")
1140	U.S. Patent No. 5,509,010 ("La Porta")
1141	U.S. Patent No. 5,563,939 ("La Porta")
1142	U.S. Patent No. 5,659,544 ("La Porta")
1143	U.S. Patent No.5,943,408 ("Chen")
1144	U.S. Patent No. 6,081,715 ("La Porta")
1145	U.S. Patent No. 6,298,039 ("Buskens")
1146	SEC Form S-1, Net2Phone, Inc. (May 1999)
1147	Terplan, The Telecommunications Handbook (1999)
1148	Lakshmi-Ratan, The Lucent Technologies Softswitch—
	Realizing the Promise of Convergence (April-June 1999)
1149	Tanenbaum, Computer Networks 3rd ed. (1996)
1150	IBM PCjr The easy one for everyone (1983)
1151	PacketCable <sup>TM</sup> 1.0 Architecture Framework Technical
	Report (1999)
1152	Table of pending applications related to the '298 patent
1153	Expunged
1154	U.S. Patent No. 6,574,328
1155	U.S. Patent No. 7,324,635
1156	Affidavit of Ms. Sarah J. Guske in Support of Motion for
	Pro Hac Vice Admission
1157	Biography of Ms. Sarah J. Guske
1158	U.S. Patent No. 6,333,931 to LaPier ("LaPier")
	May 8, 2017 Transcript of Deposition of Regis "Bud"
1159	Bates
1160	May 9, 2017 Transcript of Deposition of Regis "Bud"
	Bates
1161	March 1, 2017 Transcript of Deposition of Mr. Willis in
	IPR2016-01254, IPR2016-01257



1162	U.S. Patent No. 5,164,879 (Honeywell v. ITT)
1163	U.S. Patent No. 6,618,707 (Chi. Bd. Options)
1164	U.S. Patent No. 4,893,306 (Telcordia Techs.)
1165	Expert Declaration of Dr. Thomas F. La Porta in Support
	of Reply
1166	U.S. Patent No. 6,442,169 to Lewis ("Lewis")
1167	Transcript of Conference call May 9, 2017 with the Board
1168	Expunged
1169	Transcript of Conference call September 14, 2017 with
	the Board



Date: October 2, 2017

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