UNITED STATES PATENT AND TRADEMARK OFFICE

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

Case IPR2016-01262
Patent Number: 7,764,777

PATENT OWNER'S UPDATED POWER OF ATTORNEY

POWER OF ATTORNEY

Pursuant to 37 C.F.R. § 42.10, Patent Owner Focal IP, LLC, hereby appoints the following attorneys and/or agents to transact all business in the United States Patent & Trademark Office associated with this *Inter Partes* review.

Lead Counsel:

Brent N. Bumgardner

Registration No. 48,476

NELSON BUMGARDNER, P.C. 3131 W. 7th Street, Suite 300 Fort Worth, Texas 76107 Telephone: (817) 377-3490 Email: brent@nelbum.com

Back-up Counsel:

John Murphy (Pro Hac Vice)

NELSON BUMGARDNER, P.C. 3131 W. 7th Street, Suite 300 Fort Worth, Texas 76107 Telephone: (817) 377-3493 Email: murphy@nelbum.com

Back-up Counsel:

Victor Siber

Registration No. 25,149

SIBER LAW LLP

28 West 44th Street, Suite 604 New York, New York 10036 Telephone: (212) 858-9942 Email: VSiber@SiberLaw.com

Back-up Counsel:

Hanna Madbak (Pro Hac Vice)¹

SIBER LAW LLP

28 West 44th Street, Suite 604

¹ *Pro Hac Vice* application filed on February 16, 2017, and conditionally granted on February 23, 2017.

New York, New York 10036 Telephone: (212) 858-9942

Email: HMadbak@SiberLaw.com

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By:

Victor Siber, Director

Focal IP, LLC