## 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

 $\mathbf{V}$ .

FOCAL IP, LLC

Patent Owner

Case IPR2016-01259
Patent Number: 8,155,298

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.

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<sup>&</sup>lt;sup>1</sup> *Pro Hac Vice* application filed on February 16, 2017, and conditionally granted on February 23, 2017.

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