

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Comcast Cable Communications, LLC; Cox Communications, Inc.; Time Warner
Cable Enterprises LLC; Verizon Services Corp. and ARRIS Group, Inc.

Petitioner

v.

TQ Delta, LLC,
Patent Owner

Patent No. 7,835,430

Filing Date: June 3, 2009

Issue Date: November 16, 2010

Title: MULTICARRIER MODULATION MESSAGING FOR FREQUENCY
DOMAIN RECEIVED IDLE CHANNEL NOISE INFORMATION

**PETITIONER'S POWER OF ATTORNEY PURSUANT TO 37 C.F.R.
§ 42.10(b) FOR PETITION FOR *INTER PARTES* REVIEW**

Petitioners hereby appoint the following practitioners as their attorneys to transact all business in the United States Patent and Trademark Office associated with the above-captioned *inter partes* review:

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The individuals signing below have the authority to execute this document on behalf of the respective Petitioner.

[SIGNATURES ON FOLLOWING PAGES]

Cox Communications, Inc.

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NAME: Stephanie Allen

TITLE: Senior Counsel

DATE: December 5, 2016

Time Warner Cable Enterprises LLC

BY: /Kirill Abramov/

NAME: Kirill Abramov

TITLE: GVP and Associate General Counsel, IP Law

DATE: December 5, 2016

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