

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. 8,718,158
Filing Date: November 23, 2011
Issue Date: May 6, 2014

Title: SYSTEM AND METHOD FOR SCRAMBLING THE PHASE OF THE
CARRIERS IN A MULTICARRIER COMMUNICATIONS SYSTEM

**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.

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DATE: December 5, 2016

Cox Communications, Inc.

BY: /Stephanie Allen/

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DATE: December 5, 2016

Time Warner Cable Enterprises LLC

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DATE: December 5, 2016

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