

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

CISCO SYSTEMS, INC., DISH NETWORK, LLC,
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

Case IPR2016-01020¹
Patent 9,014,243

PETITIONER'S REQUEST FOR ORAL HEARING

¹ DISH Network, LLC, who filed a Petition in IPR2017-00254, and Comcast Cable Communications, LLC, Cox Communications, Inc., Time Warner Cable Enterprises LLC, Verizon Services Corp., and ARRIS Group, Inc., who filed a Petition in IPR2017-00418, have been joined in this proceeding.

In accordance with 37 C.F.R. § 42.70(a), Petitioner hereby requests an oral hearing in the present *inter partes* review. Per the Board's Scheduling Order, the oral hearing is scheduled for August 3, 2017. *See* Order, Paper 8, at 8.

1. Request to Consolidate Cases for Oral Hearing

The Board's Scheduling Order aligned the schedules of six related *inter partes* review proceedings. *See* Order, Paper 8. Because of overlapping subject matter and issues, and to expedite the proceedings, Petitioner requests that these cases be set for oral hearing in two groups, as follows:

"Diagnostic/Test" Cases

- IPR2016–01006 (Patent 7,835,430)
- IPR2016–01007 (Patent 8,432,956)
- IPR2016–01008 (Patent 8,238,412)
- IPR2016–01009 (Patent 8,238,412)

"Phase Scrambling" Cases

- **IPR2016–01020 (Patent 9,014,243)** (this proceeding)
- IPR2016–01021 (Patent 8,718,158)

For the "Phase Scrambling" cases (including this case), Petitioner respectfully requests a *single* consolidated oral hearing, with each side having **40 minutes** to present.

2. Issues to be Presented During Oral Hearing

During the oral hearing, Petitioner requests the opportunity to present oral argument on all of the issues raised in the papers pertaining to the instituted grounds, including:

- Combining the teachings of Shively and Stopler would have been obvious to a POSITA.
- Shively's bit spreading technique increases PAR because it causes the same bits to be transmitted on multiple carriers.
- Stopler's phase scrambler reduces PAR because it scrambles phases of individual QAM symbols.

3. Conclusion

If the Board has any questions or comments, the undersigned attorney respectfully requests a telephone conference. No fees are believed to be required for filing this request; however, the Commissioner is authorized to charge any required fees, or credit any overpayment, to Haynes and Boone, LLP's Deposit Account No. 08-1394.

Respectfully submitted,

June 30, 2017

/David L. McCombs/
David L. McCombs
Counsel for Petitioner
Registration No. 32,271

CERTIFICATE OF SERVICE

The undersigned certifies, in accordance with 37 C.F.R. § 42.205, that service was made on the Patent Owner as detailed below.

Date of service June 30, 2017

Manner of service Email: pmcandrews@mcandrews-ip.com;
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Documents served Petitioner's Request for Oral Hearing

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