

Filed on behalf of TQ Delta, LLC
By: Peter J. McAndrews
McAndrews, Held & Malloy, Ltd.
500 W. Madison St., 34th Floor
Chicago, IL 60661
Tel: 312-775-8000
Fax: 312-775-8100
E-mail: pmcandrews@mcandrews-ip.com

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 No. IPR2016-01020¹
Patent No. 9,014,243

**PATENT OWNER'S LISTING OF IMPROPER REPLY / NEW
ARGUMENT AND EVIDENCE**

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

Patent Owner's Listing of Improper Reply / New Argument and Evidence
IPR2016-01020

Pursuant to the Board's Order (Paper No. 21) entered June 22, 2017, Patent Owner provides the following listing of statements and evidence in that are beyond the proper scope of a reply, including new argument and evidence:

- (1) Petitioner's Reply at p. 8, lns. 16-17 ("scrambling the ..."), and 19-21 (In light ...");
- (2) Petitioner's Reply at p. 9, lns. 1-3 ("Rather than ..."), and 6-8 ("There is ...");
- (3) Petitioner's Reply at p. 11, lns. 9-11 ("Elsewhere TQ Delta ...");
- (4) Petitioner's Reply at p. 12, ln. 6 – p. 13, ln. 20 ("D. Phase scrambling ...");
- (5) Petitioner's Reply at p. 14, lns. 9-16 ("First, the ...");
- (6) Petitioner's Reply at p. 15, ln. 6 ("But the ...") – p. 16, ln. 3;
- (7) Petitioner's Reply at p. 17, lns. 8-11 ("Furthermore, there ...");
- (8) Petitioner's Reply at p. 18, ln. 14 ("The illogic ...") – p. 19, ln. 2;
- (9) Petitioner's Reply at p. 22, ln. 17 ("Notably, the ...") – p. 26, ln. 7;
- (10) Petitioner's Reply at p. 27, ln. 16 ("1. Likelihood of ...") – p. 36, ln. 18;
- (11) Petitioner's Reply at p. 36, ln. 19 ("D. High PAR ...") – p. 37, ln. 16;
- (12) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 3, ln. 21 ("However, Shively ...") – p. 9, ln. 2;
- (13) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 10, ln. 11 ("The likelihood ...") – p. 17, ln. 10;

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- (14) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 20, ln. 11 (“Below I ...”) – p. 25, ln. 13;
- (15) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 25, ln. 20 (“A POSITA ...”) – p. 32, ln. 9;
- (16) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 32, ln. 16 (“Shively’s bit-spreading ...”) – p. 33, ln. 12;
- (17) Ex. CSCO-1026 (Tellado Reply Decl.) at p. 33, ln. 17 (“First, I ...”) – p. 35, ln. 4;
- (18) Ex. CSCO-1018 at p.s 138, 140, 142, and 144;
- (19) Ex. CSCO-1022 (entirety);
- (20) Ex. CSCO-1023 (entirety);
- (21) Ex. CSCO-1024 (entirety);
- (22) Ex. CSCO-1025 (entirety);
- (23) Ex. CSCO-1028 (entirety);
- (24) Ex. CSCO-1029 (entirety);
- (25) Ex. CSCO-1030 (entirety);
- (26) Ex. CSCO-1032 (entirety);
- (27) Ex. CSCO-1033 (entirety);
- (28) Ex. CSCO-1034 (entirety); and
- (29) Ex. 2013 (Tellado Redirect Dep. Tr.) at p. 145, ln. 1 – p. 153, ln. 12.

Patent Owner's Listing of Improper Reply / New Argument and Evidence
IPR2016-01020

Dated: June 27, 2017

/Peter J. McAndrews/

Peter J. McAndrews

Registration No. 38,547

McAndrews, Held, & Malloy, Ltd.

500 West Madison St., Suite 3400

Chicago, IL 60661

Telephone: (312) 775-8000

CUSTOMER NUMBER: 23446

CERTIFICATE OF SERVICE

I hereby certify that the Patent Owner's Listing of Improper Reply/New Argument and Evidence in connection with *Inter Partes* Review Case IPR2016-01020 was served on this 27th day of June, 2017 by electronic mail to the following:

Lead Counsel	Back-up Counsel
David L. McCombs HAYNES & BOONE, LLP 2323 Victory Ave., Suite 700 Dallas, TX 75219 Tel. 214-651-5533 Fax 214-200-0853 david.mcombs.ipr@haynesboone.com	Theodore M. Foster Tel. 972-739-8649 Russell Emerson Tel. 214-651-5328 Jamie H. McDole Tel. 972-651-5121 HAYNES & BOONE, LLP 2323 Victory Ave., Suite 700 Dallas, TX 75219 Fax 972-692-9156 ipr.theo.foster@haynesboone.com russell.emerson.ipr@haynesboone.com jamie.mcdole@haynesboone.com
Heidi L. Keefe COOLEY LLP ATTN: Patent Group 1299 Pennsylvania Ave., Suite 700 Washington, DC 20004 Tel. 650-843-5001 Fax 650-849-7400 hkeefe@cooley.com Dish-TQDelta@cooley.com zpatdcdocketing@cooley.com	Stephen McBride COOLEY LLP ATTN: Patent Group 1299 Pennsylvania Ave., Suite 700 Washington, DC 20004 Tel. 650-843-5001 Fax 650-849-7400 smcbride@cooley.com
John M. Baird Duane Morris LLP 505 9 th St. NW, Ste 1000 Washington, DC 20004	Christopher Tyson Duane Morris LLP 505 9 th St. NW, Ste 1000 Washington, DC 20004

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