

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 IPR2016-01006¹
Patent 7,835,430 B2

**PETITIONER'S ITEMIZED LISTING
PURSUANT TO PAPER 21**

¹ DISH Network, LLC, who filed a Petition in IPR2017-00251, 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 IPR2017-00420, have been joined in this proceeding.

In accordance with the Board's Order on the Conduct of Proceedings, Paper 21, Petitioner respectfully submits an itemized listing identifying specific portions in Patent Owner's Response, Paper 14, as the material that triggered or caused the Petitioner to include in its Reply each item listed by Patent Owner in Paper 22:

- 1) PO Resp. p. 9, *l.* 15–p. 11, *l.* 1; p. 12, *ll.* 14–16; p. 16, *l.* 17–p. 17, *l.* 3; p. 17, *l.* 18–p. 18, *l.* 2; p. 19, *ll.* 4–13.
 - a) PO Resp. p. 9, *l.* 15–p. 11, *l.* 1; p. 12, *ll.* 14–16; p. 16, *l.* 17–p. 17, *l.* 3; p. 17, *l.* 18–p. 18, *l.* 2; p. 19, *ll.* 4–13.
- 2) N/A (citation not found).
 - a) PO Resp. p. 20, *l.* 4–p. 21, *l.* 7.
- 3) PO Resp. p. 22, *l.* 11–p. 23, *l.* 2; p. 23, *ll.* 6–9; p. 23, *ll.* 15–19.
 - a) PO Resp. p. 22, *l.* 11–p. 23, *l.* 2; p. 23, *ll.* 6–9; p. 23, *ll.* 15–19.
- 4) PO Resp. p. 19, *l.* 14–p. 21, *l.* 7.
 - a) PO Resp. p. 19, *l.* 14–p. 21, *l.* 7.
 - b) PO Resp. p. 19, *l.* 22–p. 20, *l.* 2; p. 20, *ll.* 10–11; p. 21, *ll.* 6–7; p. 28, *ll.* 5–9.

Respectfully submitted,

July 3, 2017

/David L. McCombs/

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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 July 3, 2017

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Documents served Petitioner's Itemized Listing

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