

Filed on behalf of TQ Delta LLC

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UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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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.

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Case IPR2016-01006<sup>1</sup>  
Patent No. 7,835,430 B2

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**PATENT OWNER'S NOTICE OF APPEAL**

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<sup>1</sup> DISH Network, L.L.C., who filed a Petition in IPR2017-00251, 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 IPR2017-00420, have been joined in this proceeding.

*Patent Owner's Notice of Appeal*  
*IPR2016-01006*  
*Patent No. 7,835,430*

Pursuant to 35 U.S.C. §§ 141, 142, and 319, 37 C.F.R. §§ 90.2, 90.3, and 104.2, and Rule 4(a) of the Federal Rules of Appellate Procedure, Patent Owner TQ Delta, LLC (“Patent Owner”) hereby appeals to the United States Court of Appeals for the Federal Circuit from the Decision Denying Request for a Rehearing (Paper 42) entered by the Patent Trial and Appeal Board on January 22, 2018 and the Final Written Decision (Paper 40) entered by the Patent Trial and Appeal Board on October 26, 2017, and all rulings leading up to those decisions.

In particular, and in accordance with 37 C.F.R. § 90.2(a)(3)(ii), Patent Owner identifies at least the following issues on appeal:

- The Board’s finding that Claims 1–6 of U.S. Patent No. 7,835,430 are unpatentable as obvious over Milbrandt, Hwang, Chang, and ANSI T1.413;
- The Board’s claim construction; and
- Any Board finding, determination, judgment, or order supporting or related to the aforementioned issues as well as all other issues decided adversely to Patent Owner in any orders, decisions, ruling, and opinions.

Patent Owner is concurrently filing a copy of this Notice of Appeal with the Director of the United States Patent and Trademark Office and the Patent Trial and Appeal Board, and a copy of the same, along with the required fees, with the United States Court of Appeals for the Federal Circuit.

*Patent Owner's Notice of Appeal*  
*IPR2016-01006*  
*Patent No. 7,835,430*

Respectfully submitted,

Dated: March 23, 2018

/Peter J. McAndrews/  
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*Patent Owner's Notice of Appeal*  
*IPR2016-01006*  
*Patent No. 7,835,430*

**CERTIFICATE OF FILING**

The undersigned hereby certifies that, in addition to being electronically filed through PTAB E2E, a true and correct copy of the above-captioned **NOTICE OF APPEAL** is being filed by hand with the Director on March 23, 2018, at the following address:

Director of the U.S. Patent & Trademark Office  
c/o Office of the General Counsel, 10B20  
Madison Building East  
600 Dulany Street  
Alexandria, VA 22314

The undersigned also hereby certifies that a true and correct copy of the above-captioned **NOTICE OF APPEAL** and the filing fee is being filed via CM/ECF with the Clerk's Office of the United States Court of Appeals for the Federal Circuit on March 23, 2018.

Dated: March 23, 2018

*/Peter J. McAndrews/*

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**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that the foregoing **NOTICE OF APPEAL** was served electronically via email on March 23, 2018 in its entirety on the following:

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