

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

DISH Network, L.L.C.,
Petitioner

v.

TQ Delta LLC,
Patent Owner

U.S. Patent No. 8,611,404
Filing Date: May 6, 2013
Issue Date: December 17, 2013

Inter Partes Review No. 2016-_____

Title: Multicarrier Transmission System with Low Power Sleep Mode and Rapid-On Capability

PETITIONER'S POWER OF ATTORNEY

Petitioner DISH Network, L.L.C. (“DISH” or “Petitioner”) hereby appoints the following practitioners as Petitioner’s attorneys to transact all business in the United States Patent & Trademark Office/Patent Trial and Appeal Board associated with the above-captioned *Inter Partes* Review:

LEAD COUNSEL

Heidi L. Keefe (Reg. No. 40,673) / hkeefe@cooley.com
zpatdcdocketing@cooley.com
COOLEY LLP
ATTN: Patent Group
1299 Pennsylvania Ave., NW, Suite 700
Washington, DC 20004
Tel: (650) 843-5001
Fax: (650) 849-7400

BACK-UP COUNSEL

Stephen McBride (*pro hac vice* to be filed) / smcbride@cooley.com
Jennifer Volk (Reg. No. 62,305) / jvolkfortier@cooley.com
Dish-TQDelta@cooley.com
zpatdcdocketing@cooley.com
COOLEY LLP
ATTN: Patent Group
1299 Pennsylvania Ave., NW, Suite 700
Washington, DC 20004
Tel: (703) 456-8000
Fax: (703) 456-8100

The individual signing below has the authority to execute this document on behalf of Petitioner:

Petitioner DISH Network, L.L.C.

Signature: James Hart Date: 7-20-2016

Name: JAMES HART

Title: Director & Sr Corporate Counsel, IP

CERTIFICATE OF SERVICE

I hereby certify, pursuant to 37 C.F.R. Sections 42.6 and 42.105, that a complete copy of the attached **Power of Attorney** is being served via Federal Express on the 20th day of July, 2016, the same day as the filing of the above-identified document in the United States Patent and Trademark Office/Patent Trial and Appeal Board, upon the Patent Owner by serving the correspondence address of record with the USPTO as follows:

Jason H. Vick
Sabrina Stavish
Sheridan Ross PC
1560 Broadway Suite 1200
Denver, CO 80202

and upon counsel of record for the Patent Owner in the litigation pending before the U.S. District Court for the District of Delaware entitled *TQ Delta LLC v. Dish Network Corporation, et al.*, Case No. 1:15-cv-000614 as follows:

Brian E. Farnan
Farnan LLP
919 North Market Street 12th Floor
Wilmington, DE 19801

Peter J. McAndrews
McAndrews Held & Malloy
500 West Madison Street 34th Floor
Chicago, IL 60661

Dated: July 20, 2016

/ Heidi L. Keefe /
Heidi L. Keefe
Reg. No. 40,673

COOLEY LLP
ATTN: Patent Docketing
1299 Pennsylvania Ave. NW, Suite 700
Washington, D.C. 20004
Tel: (650) 843-5001
Fax: (650) 849-7400