

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HUGHES NETWORK SYSTEMS, LLC and
HUGHES COMMUNICATIONS, INC.
Petitioners

v.

CALIFORNIA INSTITUTE OF TECHNOLOGY
Patent Owner

CASE IPR2015-00067
Patent 7,116,710

POWER OF ATTORNEY PURSUANT TO 37 C.F.R. §42.10(b)

Patent Owner Power of Attorney

Pursuant to 37 C.F.R. § 42.10(b), Patent Owner, California Institute of Technology, hereby appoints the following attorneys to transact all business in the United States Patent & Trademark Office associated with this *Inter Partes* review of U.S. Patent No. 7,116,710:

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The undersigned is authorized to act on behalf of California Institute of Technology.

BY: JENNIFER T. LUM

TITLE: Deputy General Counsel

DATE: Nov. 4, 2014

SIGNATURE: Jennifer T. Lum