

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION,

Petitioner,

v.

BRADIUM TECHNOLOGIES LLC,

Patent Owner.

CASE: To Be Assigned

Patent No. 9,635,136 B2

POWER OF ATTORNEY

Pursuant to 37 C.F.R. 42.10(b), Petitioner, Microsoft Corporation, hereby appoints the following lead and back-up counsel to transact all business before the Patent Trial & Appeal Board of the United States Patent and Trademark Office in connection with a Petition for *Inter Partes* Review of U.S. Patent No. 9,635,136 B2 entitled "OPTIMIZED IMAGE DELIVERY OVER LIMITED BANDWIDTH COMMUNICATION CHANNELS" which, based on information and belief, is currently assigned to Bradium Technologies LLC.

LEAD COUNSEL	BACK-UP COUNSEL
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The undersigned is authorized to sign this Power of Attorney on behalf of
Petitioner Microsoft Corporation.

Date: 6/16/17



Name: David Howard
Title: Corporate Vice President and
Deputy General Counsel
Microsoft Corporation