

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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MICROSOFT CORPORATION,

Petitioner,

v.

BRADIUM TECHNOLOGIES LLC,

Patent Owner.

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CASE: To Be Assigned

Patent No. 9,641,645 B2

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**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. 9,641,645 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