## UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION,

Petitioners,

V.

BRADIUM TECHNOLOGIES LLC,

Patent Owner.

CASE: IPR2016-00449

Patent No. 8,924,506 B2

## UPDATED POWER OF ATTORNEY

Pursuant to 37 C.F.R. 42.10(b), Petitioner, Microsoft Corporation, hereby updates its Power of Attorney (Paper 2) by designation of Chun M. Ng as lead counsel. The following lead and back-up counsel are appointed to transact all business before the Patent Trial & Appeal Board of the United States Patent and Trademark Office in connection with an *Inter Partes* Review of U.S. Patent No. 8,924,506 B2 entitled "Optimized Image Delivery Over Limited Bandwidth



Communication Channels," which, based on information and belief, is currently assigned to Bradium Technologies LLC.

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## Updated Power of Attorney Inter Partes Review of Patent No. 8,924,506 B2

The undersigned is authorized to sign this Power of Attorney on behalf of

the Petitioner.

Dated: 2/3/17

Name:

David Howard

Title: Corporate Vice President and

Deputy General Counsel Microsoft Corporation