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**PETITIONER'S POWER OF ATTORNEY IN A POST GRANT PROCEEDINGS  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

Petitioner, Google Inc., hereby appoints the following practitioners as its attorneys to transact all business in the United States Patent & Trademark Office associated with any *inter partes* review, covered business method review, post grant review, or other review proceedings before the Patent Trial and Appeal Board of the above-captioned patent:

Michael T. Hawkins, Reg. No. 57,867

Patrick J. Bisenius, Reg. No. 63,893


Nicholas Stephens, Reg. No. 74,320

Jason Wolff, Reg. No. 43,281

and all practitioners associated with PTO Customer Number 26191.

I have the authority to execute this document on behalf of Google Inc.

**Google Inc.**

By:   
Name: Renny Hwang  
Title: Director, Litigation  
Date: 12/26/2016