

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT TRIAL AND APPEAL BOARD

Inter Partes Review of U.S. Patent No. 8,309,943 Smith *et al.*; Issued: Nov. 13, 2012
Inter Partes Review of U.S. Patent No. 7,435,982 Smith; Issued: Oct. 14, 2008
Inter Partes Review of U.S. Patent No. 7,786,455 Smith; Issued: Aug. 31, 2010
Inter Partes Review of U.S. Patent No. 8,525,138 Smith *et al.*; Issued: Sep. 3, 2013
Inter Partes Review of U.S. Patent No. 8,969,841 Smith; Issued: Mar. 3, 2015
Inter Partes Review of U.S. Patent No. 9,048,000 Smith; Issued: June 2, 2015

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY

Dear Sir/Madam:

The undersigned hereby appoints the following attorneys and/or agents to prosecute the above captioned *Inter Partes* Reviews and transact all business in the U.S. Patent and Trademark Office connected herewith:

All practitioners at Customer Number 23483.

Address all communications to:

WILMER CUTLER PICKERING HALE AND DORR LLP
60 State Street
Boston, MA 02109
(617) 526-6000

Address all e-mails and telephone calls to lead and back-up counsel (each associated with the above Customer Number), listed below:

Patent Nos.: 8,309,943; 7,435,982; 7,786,455;
8,525,138; 8,969,841; and 9,048,000

Docket No.: 0107945-00235

Donald R. Steinberg (Lead Counsel, PTO Reg. No. 37,241)
Don.Steinberg@wilmerhale.com
Direct: 617-526-6453

WILMER CUTLER PICKERING HALE AND DORR LLP
60 State Street
Boston, MA 02109

David L. Cavanaugh (Backup Counsel, PTO Reg. No. 36,476)
David.Cavanaugh@wilmerhale.com
Direct: 202-663-6025

Michael H. Smith (Backup Counsel, PTO Reg. No. 71,190)
MichaelH.Smith@wilmerhale.com
Direct: 202-663-6055

WILMER CUTLER PICKERING HALE AND DORR LLP
1875 Pennsylvania Ave, NW
Washington, DC 20006

For: Qiontiq Photonics GmbH & Co. KG

B. Lorenz
Name:

Dated: Nov 03, 2015

Title: Managing Director