

**PCT**  
**GENERAL POWER OF ATTORNEY**

*(for several international applications filed under the Patent Cooperation Treaty)*  
(PCT Rule 90.5)

The undersigned person(s):

**LAM RESEARCH CORPORATION**  
**4650 Cushing Parkway**  
**Fremont, California 94538**  
**United States of America**

hereby appoint(s) the following person(s) as AGENT:

Steve D Beyer, Reg. No. 31,234  
Michael B. Lee, Reg. No. 31,846  
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all of:

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to represent the undersigned before all the competent International Authorities in connection with any and all international applications filed by the undersigned with the U.S. as receiving Office and to make and receive payments on behalf of the undersigned.

**The undersigned (whose title is supplied below) is empowered to sign this document on behalf of the applicant.**

Signed: \_\_\_\_\_

Date: August 14, 2017 \_\_\_\_\_

**Craig P. Opperman**  
Assistant Secretary, Lam Research Corporation