

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Armen Avoyan</td> <td>01/04/2010</td> </tr> <tr> <td>Duane Outka</td> <td>01/04/2010</td> </tr> <tr> <td>Catherine Zhou</td> <td>01/05/2010</td> </tr> <tr> <td>Hong Shih</td> <td>01/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	Armen Avoyan	01/04/2010	Duane Outka	01/04/2010	Catherine Zhou	01/05/2010	Hong Shih	01/04/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Lam Research Corporation</td> </tr> <tr> <td>Street Address:</td> <td>4650 Cushing Parkway</td> </tr> <tr> <td>City:</td> <td>Fremont</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538-6401</td> </tr> </table>		Name:	Lam Research Corporation	Street Address:	4650 Cushing Parkway	City:	Fremont	State/Country:	CALIFORNIA	Postal Code:	94538-6401
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (937)449-6405  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 937/449-6400        Email: beth.bane@dinslaw.com        Correspondent Name: DINSMORE &amp; SHOHL LLP        Address Line 1: Fifth Third Center, One South Main St.        Address Line 2: Suite 1300        Address Line 4: Dayton, OHIO 45402</p>											
ATTORNEY DOCKET NUMBER:	LAR P 1939 A2/39532.48										
NAME OF SUBMITTER:	James E. Beyer										
Total Attachments: 5											

OP \$40.00 12635167

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**PATENT**  
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ASSIGNMENT

WHEREAS, we, **Armen Avoyan** of Glendale, California, **Duane Outka** of Fremont, California, **Catherine Zhou** of Fremont, California, and **Hong Shih** of Walnut, California, invented certain new and useful IMMERSIVE OXIDATION AND ETCHING PROCESS FOR CLEANING SILICON ELECTRODES for which we executed an application for a United States Patent and for which said application for United States Patent was filed on December 10, 2009, under

☒ Patent Application Serial No. 12/635, 167

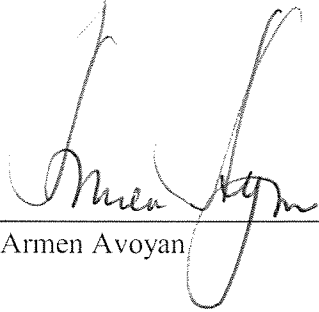
☒ Attorney Docket No. LAR P1939A2 PA;

WHEREAS, we hereby authorize and request the attorney(s) and/or agent(s) empowered to act on our behalf in the aforementioned application, to insert above the filing date and application number of said application, when known;

AND WHEREAS, **Lam Research Corporation**, a corporation of the State of Delaware, with a place of business at 4650 Cushing Parkway, Fremont, California 94538-6401, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

Date: 1/4/10

  
Armen Avoyan

Date: 1/4/2010

Duane Outka  
Duane Outka

Date: 1/5/2010

  
Catherine Zhou

Date:

1/4/10

Hong Shih

