

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Duane Outka</td> <td>10/09/2007</td> </tr> <tr> <td>Bill Denty</td> <td>10/22/2007</td> </tr> <tr> <td>Rajinder Dhindsa</td> <td>10/22/2007</td> </tr> </tbody> </table>		Name	Execution Date	Duane Outka	10/09/2007	Bill Denty	10/22/2007	Rajinder Dhindsa	10/22/2007
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Duane Outka	10/09/2007								
Bill Denty	10/22/2007								
Rajinder Dhindsa	10/22/2007								
RECEIVING PARTY DATA									
Name:	LAM Research Corporation								
Street Address:	4650 Cushing Parkway								
City:	Fremont								
State/Country:	CALIFORNIA								
Postal Code:	94538-6401								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11869340</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11869340				
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CORRESPONDENCE DATA									
Fax Number:	(937)449-6405								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	937/449-6400								
Email:	theresa.oldfield@dinslaw.com								
Correspondent Name:	DINSMORE & SHOHL LLP								
Address Line 1:	One Dayton Centre, One South Main Street								
Address Line 2:	Suite 1300								
Address Line 4:	Dayton, OHIO 45402								
ATTORNEY DOCKET NUMBER:	LAR P1727 PA/35706.8								
NAME OF SUBMITTER:	James E. Beyer								

OP \$40.00 11869340

Total Attachments: 2
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PATENT
REEL: 020036 FRAME: 0955

ASSIGNMENT

WHEREAS, we, **Duane Outka** of Fremont, California, **Bill Denty** of San Jose, California, and **Rajinder Dhindsa** of San Jose, California, invented certain new and useful CLEANING FIXTURES AND METHODS OF CLEANING ELECTRODE ASSEMBLY PLENUMS for which we executed an application for a United States Patent and for which said application for United States Patent was filed on October 9, 2007, under

Patent Application Serial No. 11/869,340

Attorney Docket No. LAR P1727 PA/35706.8;

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: Oct 9, 2007

Duane Outka
Duane Outka

Date: 10/22/2007

Bill Denty
Bill Denty

Date: 10/22/07

Rajinder Dhillon
Rajinder Dhillon