

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thorsten Lill</td> <td>06/24/2013</td> </tr> <tr> <td>Harmeet Singh</td> <td>06/25/2013</td> </tr> <tr> <td>Alex Paterson</td> <td>06/27/2013</td> </tr> <tr> <td>Gowri Kamarthy</td> <td>06/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Thorsten Lill	06/24/2013	Harmeet Singh	06/25/2013	Alex Paterson	06/27/2013	Gowri Kamarthy	06/27/2013
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Thorsten Lill	06/24/2013										
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Gowri Kamarthy	06/27/2013										
RECEIVING PARTY DATA											
Name:	Lam Research Corporation										
Street Address:	4650 Cushing Parkway										
City:	Fremont										
State/Country:	CALIFORNIA										
Postal Code:	94538										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13930138</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13930138						
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Application Number:	13930138										
CORRESPONDENCE DATA											
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Nishitkumar V. Patel										
Signature:	/Nishitkumar V. Patel/										
Date:	07/01/2013										
Total Attachments: 1 source=LAM2P768EfiledAssign#page1.tif											

CH \$40.00 13930138

PATENT

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas we the undersigned inventors have invented certain new and useful improvements as set forth in the patent application entitled:





CONTROLLING ION ENERGY WITHIN A PLASMA CHAMBER

(Atty. Docket No. LAM2P768/P3061) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors hereby:

- 1) Sell, assign and transfer to Lam Research Corporation, a Delaware corporation having a place of business at 4650 Cushing Parkway Fremont, CA 94538 U.S. (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

- 1) Signature:  Date: 6/24/13
Typed Name: Thorsten Lill
- 2) Signature:  Date: 6/25/2013
Typed Name: Harmeet Singh
- 2) Signature:  Date: 6/27/13
Typed Name: Alex Paterson
- 2) Signature:  Date: 6/27/13
Typed Name: Gowri Kamarthy