

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL C. KELLOGG	06/21/2016
ALEXEI MARAKHTANOV	06/21/2016
JOHN PATRICK HOLLAND	06/21/2016
ZHIGANG CHEN	06/22/2016
FELIX KOZAKEVICH	06/21/2016
KENNETH LUCCHESI	06/21/2016
RECEIVING PARTY DATA	
Name:	LAM RESEARCH CORPORATION
Street Address:	4650 CUSHING PARKWAY
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15190082
CORRESPONDENCE DATA	
Fax Number:	(408)749-6901
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	408-749-6900
Email:	donna@mpiqlaw.com
Correspondent Name:	NISHITKUMAR V. PATEL
Address Line 1:	710 LAKEWAY DRIVE
Address Line 2:	SUITE 200
Address Line 4:	SUNNYVALE, CALIFORNIA 94085
ATTORNEY DOCKET NUMBER:	LAM2P939
NAME OF SUBMITTER:	NISHITKUMAR V. PATEL
SIGNATURE:	/Nishitkumar V. Patel/
DATE SIGNED:	06/24/2016

Total Attachments: 1

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ASSIGNMENT OF PATENT APPLICATION

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

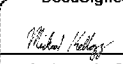

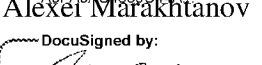
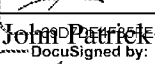
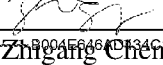
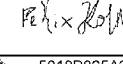
SYSTEMS AND METHODS FOR CONTROLLING DIRECTIONALITY OF IONS IN AN EDGE REGION BY USING AN ELECTRODE WITHIN A COUPLING RING

(Atty. Docket No. **LAM2P939/3992-1US**) 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 for 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, 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 date indicated besides my signature.

1)	Signature: 	Date: <u>6/21/2016</u>
	Typed Name: Michael C. Kellogg	
2)	Signature: 	Date: <u>6/21/2016</u>
	Typed Name: Alexei Marakhtanov	
3)	Signature: 	Date: <u>6/21/2016</u>
	Typed Name: John Patrick Holland	
4)	Signature: 	Date: <u>6/22/2016</u>
	Typed Name: Zhigang Chen	
5)	Signature: 	Date: <u>6/21/2016</u>
	Typed Name: Felix Rozakovich	
6)	Signature: 	Date: <u>6/21/2016</u>
	Typed Name: Kenneth Lucchesi	