# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Douglas Keil	05/11/2009
Jean-Paul Booth	05/12/2009
Christopher Thorgrimsson	05/11/2009

## 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:	12477007

## **CORRESPONDENCE DATA**

Fax Number: (408)213-9541

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4082139540

Email: amanda@ipsglaw.com

Correspondent Name: IP Strategy Group, P.C.

Address Line 1: P.O. Box 700640

Address Line 4: San Jose, CALIFORNIA 95170

ATTORNEY DOCKET NUMBER:	P1761/LMRX-P148
NAME OF SUBMITTER:	Joseph A. Nguyen, Reg. No. 37,899

Total Attachments: 3

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PATENT REEL: 023121 FRAME: 0090

CUSTOMER	NO.	32,986

PATENT APPLICATION

IP Strategy Group, P.C. P.O. Box 700640 San Jose, CA 95170-0640

ATTORNEY DOCKET NO. P1761/LMRX-P148

## ASSIGNMENT OF PATENT APPLICATION

1/We, the undersigned (each) have agreed and hereby agree to assign to

Lam Research Corporation, a Delaware corporation, doing business at 4650 Cushing Parkway, Fremont, CA, 94538

in futherance of my/our obligations to the assignee and its subsidiaries and affiliates, and do hereby assign and transfer to the assignee, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letter Patents of the United States entitled:

### METHODS FOR AUTOMATICALLY CHARACTERIZING A PLASMA

Filing date: 6/2/2009

Application No.: 12/477,007

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-l-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letter Patents of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize the Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by the Assignee, its successors, assigns, nominces or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made:

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to the Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to the Assignee, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by the Assignee;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Date Signed: 5/11/2009	Signature: Ouglas Keel		
•	Typed Name: Douglas Keif	RECEIVED	
Date Signed:	Signature:	MAY 1 8 2009	
	Typed Name: Jean-Paul Booth	MAT 1 8 2009	
Date Signed:	Signature:	BY:	
And the second s	Typed Name: Christopher Thorgrimsson		
Date Signed:	Signature:	<u>Λ Μ Λ φ 14</u>	
	Typed Name:	01217	
Date Signed:	Signature:		
	Typed Name:		Page

Version 20080602

CUSTOMER NO. 32,986	CHE	TO	AED	NO	32	986
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IP Strategy Group, P.C. P.O. Box 700640 San Jose, CA 95170-0640 PATENT APPLICATION

ATTORNEY DOCKET NO. P1761/LMRX-P148

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to

Lam Research Corporation, a Delaware corporation, doing business at 4650 Cushing Parkway, Fremont, CA, 94538

in futherance of my/our obligations to the assignee and its subsidiaries and affiliates, and do hereby assign and transfer to the assignee, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letter Patents of the United States entitled:

#### METHODS FOR AUTOMATICALLY CHARACTERIZING A PLASMA

Filing date: 6/2/2009

Application No.: 12/477,007

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letter Patents of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize the Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to the Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to the Assignee, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by the Assignee;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Date Signed:	Signature:	THE STREET OF TH	KHIME
Date Signed: May 12, 2009	Signature: Douglas Keil  Signature: Caul South	RECEIVED MAY 1 8 2009	
Date Signed:	Signature:Typed Name: Christopher Thorgrimsson		
Date Signed:	Signature: Typed Name:	07208	
Date Signed:	Signature: Typed Name:		 Page

Version 20080602

PATENT

REEL: 023121 FRAME: 0092

CUSTOMER NO. <u>32,986</u>	PATENT APPLICATION
IP Strategy Group, P.C. P.O. Box 700840 San Jose, CA 95170-0640	ATTORNEY DOCKET NO. P1761/LMRX-P148
ASS	SIGNMENT OF PATENT APPLICATION
I/We, the undersigned (each) have agree	
Lam Research Co	rporation, a Delaware corporation, doing business arkway, Fremont, CA, 94538
in futherance of my/our obligations to t assignce, its successors and assigns, that application for Letter Patents of the Unit	he assignee and its subsidiaries and affiliates, and do hereby assign and transfer to the entire right, title and interest, including the right of priority, in, to and under an ed States entitled:
**	FOR AUTOMATICALLY CHARACTERIZING A PLASMA
Filing date: 6/2/2009	Application No.: 12/477,007
divisionals, and renewals of and substitu United States and of countries foreign th extensions of said Letters Patent.  I/we additionally authorize the and enjoyed by the Assignee, its success which said Letters Patent respectively m held and enjoyed by me/us had this assigned.	set forth therein, and any and all continuations, continuations-in-part (C-I-P's), tes for said application for said Letters Patent, and any and all Letter Patents of the ereto which may be granted thereon or therefor, and any reissues, or reexaminations, or Assignee to file applications in my/our name for Letters Patent in any country, to be helders, assigns, nominees or legal representatives, to the full end of the term or terms for any be granted, reissued or extended, as fully and entirely as the same would have been munent, and transfer not been made;  I/we have full right to convey the entire interest herein assigned, and that I/we have no
executed and will not execute any agreer request is made, and without undue delay to said invention(s) or improvement(s), so nominees or legal representatives, and L/said invention(s) or improvement(s), said papers, to execute all disclaimers and disoaths and declarations, and generally to representatives to obtain and enforce, for	nent in conflict herewith, and I/we further covenant and agree that I/we will, each time and application and said Letters Patent, to the Assignee, its successors, assigns, we agree to communicate to the Assignee, or to its nominee, all known facts respecting application and said Letters Patent, to testify in any legal proceedings, to sign all lawfurisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful do everything possible to aid the Assignee, its successors, assigns, nominees and legal rits or their own benefit, proper patent protection for said invention(s) or provided the expenses which may be incurred by me/us in lending such cooperation and
AND I/we hereby authorize an official of any country or countries forei issue to the Assignee, as assignee of the	I request the Commissioner of Patents and Trademarks of the United States and any gn to the United States whose duty it is to issue patents on applications as aforesaid, to entire right, title and interest, any and all Letters Patent for said invention(s) or etters Patent of the United States which may be issued and granted on or as a result of with the terms of this assignment.
I/we further authorize and direc	at the attorneys of record to insert the serial number and filing date of
to all the block was allowed by the all	ramor, danies mumber and title set touth shows as each as the

07493 same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

**RECORDED: 08/20/2009** 

Date Signed:	Signature:		
Date Signed:	Typed Name: Douglas Kell Signature:	RECEIVED	
1 1	Typed Name: Jean-Paul Booth	JUN 0 8 2009	
Date Signed: 5/11/09	Signature: Typed Name: Christopher Thorgams	BY	
Date Signed:	Signature:		
	Typed Name:		
Date Signed:	Signature:		
	Typed Name:		Радо
	Version 20080602		

**PATENT** 

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