

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Hong Shih	08/09/2011
Tuochuan Huang	08/24/2011
David Schaefer	08/23/2011
Ambarish Chhatre	08/23/2011
John Daugherty	08/23/2011
MingHang Wu	08/25/2011
Clifford La Croix	08/12/2011
<b>RECEIVING PARTY DATA</b>	
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:	13219540
<b>CORRESPONDENCE DATA</b>	
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Phone:	410-257-1647
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Correspondent Name:	TR Patents, L.L.C.
Address Line 1:	P.O Box 361
Address Line 4:	Dunkirk, MARYLAND 20754
NAME OF SUBMITTER:	Thomas D. Robbins
Total Attachments: 3 source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif source=ExecutedAssignment#page3.tif	

OP \$40.00 13219540

Serial No.

**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

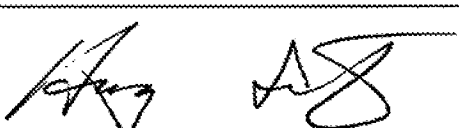
WHEREAS, Lam Research Corporation, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 4650 Cushing Parkway, Fremont, CA, 94538, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

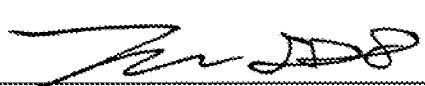
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said Lam Research Corporation, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said Lam Research Corporation, as assignee of my entire right, title and interest.

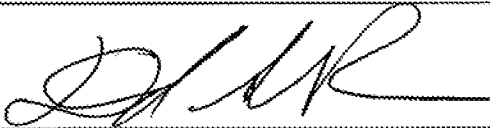
I also hereby sell and assign to Lam Research Corporation, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.


I hereby further agree that I will communicate to said Lam Research Corporation, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said Lam Research Corporation, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.


IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

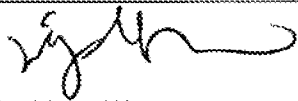
TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	 Hong Shih
RESIDENCE (CITY AND STATE)	Santa Clara, CA
DATE DECLARATION SIGNED	8/9/2011


TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	 Tuochuan Huang
RESIDENCE (CITY AND STATE)	Saratoga, CA
DATE DECLARATION SIGNED	8/24/2011

TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	David Schaefer 
RESIDENCE (CITY AND STATE)	Fremont, CA
DATE DECLARATION SIGNED	8/23/2011

TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	Ambarish Chhatre 
RESIDENCE (CITY AND STATE)	San Ramon, CA
DATE DECLARATION SIGNED	8/23/2011

TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	John Daugherty 
RESIDENCE (CITY AND STATE)	Fremont, CA
DATE DECLARATION SIGNED	8/23/2011

TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	 MingHang Wu
RESIDENCE (CITY AND STATE)	Renton, WA
DATE DECLARATION SIGNED	8/28/11

TITLE OF INVENTION	SYSTEM AND METHOD FOR PERFORMING HOT WATER SEAL ON ELECTROSTATIC CHUCK
SIGNATURE OF INVENTOR AND NAME	 Clifford La Croix
RESIDENCE (CITY AND STATE)	Livermore, CA
DATE DECLARATION SIGNED	8/12/11

After recording, return Assignment to:

TR Patents, L.L.C.  
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Dunkirk, MD 20754