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1. Name of conveying party(ies)

Blue29, L.L.C.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 7, 2007

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Lam Research Corporation

Internal Address: CA-1

Street Address: 4650 Cushing Parkway

City: Fremont

State: CA

Country: USA Zip: 94538

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/102,143 10/624,397 11/533,042 11/199,657 11/549,644
 11/108,589 11/138,531 11/199,620 11/536,429 11/563,199
 10/462,343 11/217,750 11/200,324 11/276,728 60/804,425
 11/034,363 10/299,070 11/199,621 11/537,643

B. Patent No.(s)

6,881,437 6,908,512 6,902,605
 6,860,944 6,939,403 6,794,288
 6,913,651 6,911,067
 6,846,519 6,935,638

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael S. Brandt

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State: CA Zip: 94538

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Fax Number: 510-572-2876

Email Address: michael.brandt@lamresearch.com

6. Total number of applications and patents involved: 29

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1,160.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 501842

Authorized User Name Michael S. Brandt

9. Signature:


 Signature

October 1, 2007
 Date

Michael S. Brandt
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$1160.00 501842 11102143

Assignment of Applications and Patents to Lam Research Corporation

PATENT ASSIGNMENT

WHEREAS, **Blue29, L.L.C.** of 615 Palomar Avenue, Sunnyvale, CA 94085 a Limited Liability Corporation of the State of Delaware ("**Blue29**"), the undersigned Assignor, hereby states it is the owner of each of the patent applications and patents identified herein and on the attached Exhibit 1 and inventions disclosed therein;

WHEREAS, **Lam Research Corporation**, of 4650 Cushing Parkway, Fremont, California, 94538 United States of America, a Corporation of the State of Delaware ("**Assignee**"), is desirous of acquiring the entire right, title and interest in and to said patent applications, patents, AND inventions therefore as identified in Exhibit 1;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, Blue29 does hereby sell, assign and transfer to Assignee its successors and assigns, its entire right, title and interest in and to said application(s), patent(s) and/or invention(s), in any form or embodiment, including any related applications, patents and/or inventions not listed in Exhibit 1; and in and to any and all applications filed in any country based thereon, whether or not listed in Exhibit 1, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, obtained in any country upon said inventions, whether or not listed in Exhibit 1; and to any and all continuing applications, including divisional, continuation and continuation-in-part applications and substitute applications; to all prior applications disclosing said inventions to which said present application(s) or patents(s) claim priority, including any not listed in Exhibit 1; and to any other applications claiming the benefit of said prior applications, including any not listed in Exhibit 1; and to any and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of such patents and/or any item in any of the foregoing categories including, without limitation, all causes of action and other enforcement rights for damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement; and all rights to collect royalties and other payments under or on account of any of the foregoing.

Blue29 hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee, as assignee of the entire interest.

Blue29 further agrees, without any further payment by Assignee other than in reimbursement of reasonable expenses that Blue29 may incur upon the request of Assignee, its successors and assigns, to execute, to use reasonable efforts to have executed and to cooperate with Assignee to obtain necessary signatures on, any and all documents that undersigned shall be requested to execute or have executed in connection with any and all of the foregoing applications and patents and for foreign patents therefore, and to execute any and all documents required for and to cooperate in the resolution of any legal proceedings relating to the patents and patent applications, the prosecution thereof, and to

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execute any and all documents necessary to vest title in applications and patents related thereto and said foreign applications and patents, and those related thereto, in Assignee, including any not listed in Exhibit 1 and relating thereto.

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IN WITNESS WHEREOF, Blue29 has executed this Patent Assignment as of the date written below.

Signature:  _____

Name: Joseph Laia

Title: Chief Executive Officer

Date: May 7, 2007

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Exhibit 1

FILE NUMBER/PATENT OFFICE SERIAL NUMBER	TITLE/INVENTOR NAMES	U.S. STATUS	FOREIGN STATUS
(U.S. Serial No. 10/462,167)	METHODS AND A SYSTEM FOR PROCESSING A MICROELECTRONIC TOPOGRAPHY Inventors: Igor Ivanov, Weiguo Zhang	Non-provisional application filed 6/16/03. Patent Issued 4/19/05 – US 6,881,437.	
(Divisional Application, U.S. Serial No. 11/102,143)	METHODS AND A SYSTEM FOR PROCESSING A MICROELECTRONIC TOPOGRAPHY Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Divisional application filed 4/8/05.	
(Continuation Application, U.S. Serial No. 11/108,589)	METHODS AND A SYSTEM FOR PROCESSING A MICROELECTRONIC TOPOGRAPHY Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Continuation application filed 4/18/05.	
(U.S. Serial No. 10/462,343)	METHODS FOR MAKING AND PROCESSING DIFFUSION BARRIER LAYERS Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Non-provisional application filed 6/16/03.	
(U.S. Serial No. 10/462,180)	MICROELECTRONIC FABRICATION SYSTEM COMPONENTS AND METHOD FOR PROCESSING A WAFER USING SUCH COMPONENTS Inventors: Igor Ivanov, Weiguo Zhang	Non-provisional application filed 6/16/03. Patent Issued 3/1/05 – US 6,860,944.	
(Divisional Application, U.S. Serial No. 11/034,363)	MICROELECTRONIC FABRICATION SYSTEM COMPONENTS AND METHOD FOR PROCESSING A WAFER USING SUCH COMPONENTS (Divisional) Inventors: Igor Ivanov, Weiguo Zhang	Divisional application filed 1/10/05.	
(U.S. Serial No. 10/624,397)	MULTI-STAGED HEATING SYSTEM FOR FABRICATING MICROELECTRONICS Inventors: Igor Ivanov, Weiguo Zhang	Non-provisional application filed 7/22/03.	
(U.S. Serial No. 10/103,015)	APPARATUS AND METHOD FOR ELECTROLESS DEPOSITION OF MATERIALS ON SEMICONDUCTOR SUBSTRATES Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Non-provisional application filed 3/22/02. Patent Issued 7/5/05 – US 6,913,651.	

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FILE NUMBER/PATENT OFFICE SERIAL NUMBER	TITLE/INVENTOR NAMES	U.S. STATUS	FOREIGN STATUS
(U.S. Serial No. 11/138,531)	APPARATUS AND METHOD FOR ELECTROLESS DEPOSITION OF MATERIALS ON SEMICONDUCTOR SUBSTRATES Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Divisional application filed 5/26/05.	
(U.S. Serial No. 10/242,331)	METHOD AND APPARATUS FOR ELECTROLESS DEPOSITION WITH TEMPERATURE-CONTROLLED CHUCK Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Non-provisional application filed 9/13/02 Patent Issued 1/25/05 – US 6,846,519.	
(Japanese Application No. 2004-536053)	METHOD AND APPARATUS FOR ELECTROLESS DEPOSITION WITH TEMPERATURE-CONTROLLED CHUCK Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics		Japanese counterpart application filed 3/13/05.
(Korean Application No. 10-2005-7004388)	METHOD AND APPARATUS FOR ELECTROLESS DEPOSITION WITH TEMPERATURE-CONTROLLED CHUCK Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics		Korean counterpart application filed 3/13/05.
(U.S. Serial No. 10/247,895)	TEMPERATURE-CONTROLLED SUBSTRATE HOLDER FOR PROCESSING IN FLUIDS Inventors: Igor Ivanov, Weiguo Zhang, Artur Kolics	Non-provisional application filed 9/20/02. Patent Issued 6/21/05 – US 6,908,512.	
(U.S. Serial No. 10/299,069)	SPATIALLY-ARRANGED CHEMICAL PROCESSING SYSTEM Inventors: Igor Ivanov, Chiu Ting, Weiguo Zhang, Artur Kolics	Non-provisional application filed 11/19/02. Patent Issued 9/6/05– US 6,939,403.	
(Continuation Application, U.S. Serial No. 11/217,750)	SPATIALLY-ARRANGED CHEMICAL PROCESSING SYSTEM Inventors: Igor Ivanov, Chiu Ting, Weiguo Zhang, Artur Kolics	Continuation application filed 9/1/05.	
(U.S. Serial No. 10/299,070)	METHOD OF ELECTROLESS DEPOSITION OF THIN METAL AND DIELECTRIC FILMS WITH TEMPERATURE CONTROLLED STAGES OF FILM GROWTH Inventor: Igor Ivanov	Non-provisional application filed 11/19/02.	

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FILE NUMBER/PATENT OFFICE SERIAL NUMBER	TITLE/INVENTOR NAMES	U.S. STATUS	FOREIGN STATUS
(U.S. Serial No. 11/533,042)	METHOD OF ELECTROLESS DEPOSITION OF THIN METAL AND DIELECTRIC FILMS WITH TEMPERATURE CONTROLLED STAGES OF FILM GROWTH Inventors: Igor Ivanov	Divisional application filed 9/19/06.	
(U.S. Serial No. 10/339,260)	SOLUTION COMPOSITION AND METHOD FOR ELECTROLESS DEPOSITION OF COATINGS FREE OF ALKALI METALS Inventors: Artur Kolics, Nicolai Petrov, Chiu Ting, Igor Ivanov	Non-provisional application filed 1/10/03. Patent Issued 6/28/05 – US 6,911,067.	
(U.S. Serial No. 10/369,878)	UNIVERSAL SUBSTRATE HOLDER FOR TREATING OBJECTS IN FLUIDS Inventors: Igor Ivanov, Weiguo Zhang	Non-provisional application filed 2/21/03. Patent Issued 8/30/05 – US 6,935,638.	
(U.S. Serial No. 10/379,692)	ACTIVATION-FREE ELECTROLESS SOLUTION FOR DEPOSITION OF COBALT AND METHOD FOR DEPOSITION OF COBALT CAPPING/PASSIVATION LAYER ON COPPER Inventors: Artur Kolics, Nicolai Petrov, Chiu Ting, Igor Ivanov	Non-provisional application filed 3/6/03. Patent Issued 6/7/05 – US 6,902,605.	
(U.S. Serial No. 10/345,134)	METHOD FOR ELECTROLESS DEPOSITION OF PHOSPHORUS-CONTAINING METAL FILMS ONTO COPPER WITH PALADIUM-FREE ACTIVATION Inventors: Artur Kolics, Nicolai Petrov, Chiu Ting, Igor Ivanov	Non-provisional application filed 1/13/03 Patent Issued 9/21/04 – US 6,794,288.	
(U.S. Serial No. 11/199,620)	METHODS FOR FORMING A BARRIER LAYER WITH PERIODIC CONCENTRATIONS OF ELEMENTS AND STRUCTURES RESULTING THEREFROM Inventor: Igor Ivanov	Non-provisional application filed 8/9/05.	
(U.S. Serial No. 11/200,324)	SYSTEMS AND METHODS AFFECTING PROFILES OF SOLUTIONS DISPENSED ACROSS MICROELECTRONIC TOPOGRAPHIES DURING ELECTROLESS PLATING PROCESSES Inventor: Igor Ivanov	Non-provisional application filed 8/9/05.	

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FILE NUMBER/PATENT OFFICE SERIAL NUMBER	TITLE/INVENTOR NAMES	U.S. STATUS	FOREIGN STATUS
(U.S. Serial No. 11/199,621)	BARRIER LAYER CONFIGURATIONS AND METHODS FOR PROCESSING MICROELECTRONIC TOPOGRAPHIES HAVING BARRIER LAYERS Inventor: Igor Ivanov	Non-provisional application filed 8/9/05.	
(U.S. Serial No. 11/199,657)	METHODS AND APPARATUS CONFIGURATIONS FOR AFFECTING MOVEMENT OF PROCESSING FLUIDS WITHIN A MICROELECTRONIC TOPOGRAPHY CHAMBER AND A METHOD FOR PASSIVATING HARDWARE WITHIN A MICROELECTRONIC TOPOGRAPHY PROCESSING CHAMBER Inventor: Igor Ivanov	Non-provisional application filed 8/9/05.	
(U.S. Serial No. 11/536,429)	SYSTEMS INCORPORATING MICROWAVE HEATERS WITHIN FLUID SUPPLY LINES OF SUBSTRATE PROCESSING CHAMBERS AND METHODS FOR USE OF SUCH SYSTEMS Inventors: Jason Corneille, Nancy Gilbert, Robert Tas, Steven Flanders, Timothy Franklin, Jason Wright, Stephen Jones, Joe Laia	Non-provisional application filed 9/28/06.	
(U.S. Serial No. 11/276,728)	NON-CORROSIVE CHEMICAL RINSE SYSTEM	Non-provisional application filed 3/11/06.	
(U.S. Serial No. 11/537,643)	ELECTROLESS DEPOSITION SYSTEM	Non-provisional application filed 9/30/06.	
(U.S. Serial No. 11/549,644)	ELECTROLESS PLATING SYSTEM	Non-provisional application filed 10/14/06.	
(U.S. Serial No. 11/563,199)	ELECTROLESS DEPOSITION CHEMICAL SYSTEM LIMITING STRONGLY ABSORBED SPECIES	Non-provisional application filed 11/25/06.	
(U.S. Serial No. 60/804,425)	SEMICONDUCTOR SYSTEM WITH SURFACE MODIFICATION	Provisional application filed 6/9/06.	

PATENT

RECORDED: 10/01/2007

REEL: 019899 FRAME: 0697