

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Dean C. Jennings</td> <td>05/07/2003</td> </tr> <tr> <td>Mark Yam</td> <td>04/30/2003</td> </tr> <tr> <td>Abhilash J. Mayur</td> <td>04/30/2003</td> </tr> <tr> <td>Vernon Behrens</td> <td>04/29/2003</td> </tr> <tr> <td>Paul A. O'Brien</td> <td>04/30/2003</td> </tr> <tr> <td>Leonid M. Tertitski</td> <td>04/16/2003</td> </tr> <tr> <td>Alexander Goldin</td> <td>04/16/2003</td> </tr> </tbody> </table>		Name	Execution Date	Dean C. Jennings	05/07/2003	Mark Yam	04/30/2003	Abhilash J. Mayur	04/30/2003	Vernon Behrens	04/29/2003	Paul A. O'Brien	04/30/2003	Leonid M. Tertitski	04/16/2003	Alexander Goldin	04/16/2003
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CORRESPONDENCE DATA																	
Fax Number:	(415)576-0300																
Phone:	303-571-4000																
Email:	msarles@kilpatricktownsend.com																
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																	
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP																
Address Line 1:	TWO EMBARCADERO CENTER, EIGHTH FLOOR																
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111-3834																
ATTORNEY DOCKET NUMBER:	016301-076911US																

OP \$40.00 12980579

NAME OF SUBMITTER:

Matthew T. Sarles

Total Attachments: 15

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FORM PTO-1595 (Modified)	RECORDATION FORM COVER SHEET PATENTS ONLY	6569/PZ/TSC/DND U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
<p>1. Name of conveying party(ies):</p> <p style="text-align: right;"><u>EXECUTION DATE</u></p> <p>Dean C. JENNINGS..... May 7, 2003 Mark Yam..... April 30, 2003 Abhilash J. MAYLOR..... April 30, 2003 Vernon BEHRENS..... April 29, 2003 Paul A. O'BRIEN..... April 30, 2003 Leonid M. TERTITSKI..... April 16, 2003 Alexander GOLDIN..... April 16, 2003</p> <p>Additional name(s) of conveying part(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Other _____</p> <p>Execution Date: <u>SEE ABOVE</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Applied Materials, Inc.</u></p> <p>Internal Address: <u>Legal Affairs Department</u></p> <p>Street Address: <u>P.O. Box 450-A</u></p> <p>City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95052</u></p> <p>Additional Name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				
<p>4. Application number(s) or patent Number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>A. Patent Application No.(s)</p> <p>Serial No. <u>10/325,497</u>- Filing Date: <u>12/18/2003</u></p> <p>Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> </td> <td style="width: 50%; vertical-align: top;"> <p>B. Patent No.(s)</p> </td> </tr> </table>			<p>A. Patent Application No.(s)</p> <p>Serial No. <u>10/325,497</u>- Filing Date: <u>12/18/2003</u></p> <p>Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No.(s)</p>	
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>PATENT COUNSEL</u></p> <p>Internal Address: <u>Applied Materials, Inc.</u></p> <p style="padding-left: 40px;"><u>Legal Affairs Dept.</u></p> <p>Street Address: <u>P.O. Box 450-A</u></p> <p>City: <u>Santa Clara</u> State: <u>CA</u> ZIP: <u>95052</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41).....<u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>50-1074</u> (Attach duplicate copy of this page if paying by deposit account)</p>				
DO NOT USE THIS SPACE					
<p>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.</p> <table style="width: 100%;"> <tr> <td style="width: 60%;">Robert W. Mulcahy, Reg. No. 25,636</td> <td style="width: 20%; text-align: center;">Signature</td> <td style="width: 20%; text-align: center;">Date</td> </tr> </table> <p style="text-align: right; font-size: 1.2em;">5/15/2003</p>			Robert W. Mulcahy, Reg. No. 25,636	Signature	Date
Robert W. Mulcahy, Reg. No. 25,636	Signature	Date			
<p>10. Total number of pages comprising cover sheet, attachments, and document: <u>15</u></p>					

Mail documents to be recorded with the required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Case #6569/P2/TSG/OXD/LE

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses of Inventors:

1)	Dean C. Jennings 6 Thoreau Circle Beverly, MA 01915	2)	Mark Yam 17608 Vineland Avenue Monte Sereno, CA 95030
3)	Abhilash J. Mayur 17651 Olson Place Salinas, CA 93907	4)	Vernon Behrens 122 5 th Street Quincy, CA 95971
5)	Paul A. O'Brien 1095 Myrtle Street San Jose, CA 95124	6)	Leonid M. Tertitski 15901 Brewster Avenue San Jose, CA 95124
7)	Alexander Goldin 1020 Hyde Avenue San Jose, CA 95129	8)	

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"THERMAL FLUX PROCESSING BY SCANNING"

for which application for Letters Patent in the United States was filed on December 18, 2002, under Serial No. 10/325,497, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of

said Application; and (d) in and to each and every reissue or extension of any of said Patents.


2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 7 May, 2003


Dean C. Jennings

2) _____, 2003

Mark Yam

3) _____, 2003

Abhilash J. Mayur

4) _____, 2003

Vernon Behrens

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Paul A. O'Brien

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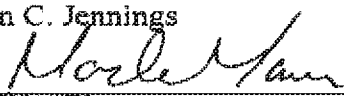
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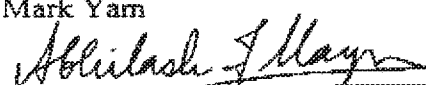
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1)	_____	2003	_____	Dean C. Jennings
2)	_____	2003	_____	Mark Yam
3)	_____	2003	_____	Abhilash J. Mayur
4)	_____	2003	_____	Vernon Behrens
5)	April 30	2003	_____	Paul A. O'Brien
6)	_____	2003	_____	Leonid M. Tertitski
7)	_____	2003	_____	Alexander Goldin

Case #6569/P2/TSG/OXD/LE

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Dean C. Jennings 6 Thoreau Circle Beverly, MA 01915	2)	Mark Yam 17608 Vineland Avenue Monte Sereno, CA 95030
3)	Abhilash J. Mayur 17651 Olson Place Salinas, CA 93907	4)	Vernon Behrens 122 5 th Street Quincy, CA 95971
5)	Paul A. O'Brien 1095 Myrtle Street San Jose, CA 95124	6)	Leonid M. Tertitski 15901 Brewster Avenue San Jose, CA 95124
7)	Alexander Goldin 1020 Hyde Avenue San Jose, CA 95129	8)	

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"THERMAL FLUX PROCESSING BY SCANNING"

for which application for Letters Patent in the United States was filed on December 18, 2002, under Serial No. 10/325,497, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of

said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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Paul A. O'Brien

6) 04.16, 2003

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Alexander Goldin

Case #6569/P2/TSG/OXD/LE

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said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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6) _____, 2003

Leonid M. Tertitski

7) 4/16, 2003

A. Goldin

Alexander Goldin