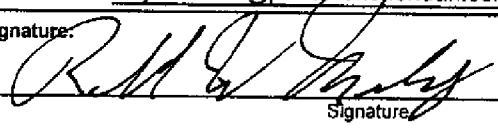


Form PTO-1595 (Rev. 01-09)
OMB No. 0651-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies): Paul Carey (07/31/2006), Aaron Muir Hunter (08/02/2006), Dean Jennings (07/30/2006), Abhilash J. Mayur (07/27/2006), Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>APPLIED MATERIALS, INC.</u> Internal Address: _____ Street Address: _____ 3050 Bowers Avenue City: <u>Santa Clara</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>95054</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s): Execution Date(s) _____ in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 12/855,652; Filed 08/12/10 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed: Name: <u>B. Todd Patterson</u> <u>PATTERSON & SHERIDAN, LLP</u> Internal Address: <u>Atty. Dkt.: 005635.C1/FEP/RTP/PJT</u> Street <u>3040 Post Oak Blvd, Suite 1500</u> Address: _____ City: <u>Houston</u> State: <u>TX</u> Zip: <u>77056</u> Phone <u>(713) 623-4844</u> Fax <u>(713) 623-4846</u> Email Address: <u>jcameron@pattersonsheridan.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p>
<p>8. Payment Information Deposit Account Number <u>50-1074</u> Authorized User Name <u>Robert W. Mulcahy</u></p>	
<p>9. Signature:  _____ Signature <u>Robert W. Mulcahy - 25,436</u> Name of Person Signing Date <u>October 7, 2010</u> Total number of pages including cover sheet, attachments, and documents: 16</p>	

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: October 7, 2010

Signature: 

(Keith M. Tackett)

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Stephen Moffatt (09/05/2006), William Schaffer (07/28/2006), Timothy N. Thomas (07/30/2006), and Mark Yam (07/28/2006)	
Additional Assignees (2. Continued):	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	PAUL CAREY 1035 Mountain View Avenue Mountain View, CA 94040 <i>JGC</i>	2)	AARON MUIR HUNTER 430 Emeline Avenue Santa Cruz, CA 95060
3)	DEAN JENNINGS 6 Thoreau Circle Beverly, MA 01915	4)	ABHILASH MAYUR 17651 Olson Place Salinas, CA 93907
5)	STEPHEN MOFFATT Seafield Coach House La Route De St Aubin St Lawrence Jersey, Channel Islands JE3 1LL	6)	WILLIAM SCHAFFER 9748 Atascadero Avenue Atascadero, CA 93422
7)	TIMOTHY N. THOMAS 11555 NW Vallevue Court Portland, OR 97229	8)	MARK YAM 17608 Vineland Avenue Monte Sereno, CA 95030

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

METHOD OF THERMAL PROCESSING STRUCTURES FORMED ON A SUBSTRATE

for which application for Letters Patent in the United States was filed on July 25, 2006,
under Serial No. 11/459,856, 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 conventional, 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 conventional, 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) 7/31/06 (DATE)

Paul J. Carey
PAUL CAREY

2) _____ (DATE)

AARON MUIR HUNTER

3) _____ (DATE)

DEAN JENNINGS

4) _____ (DATE)

ABHILASH MAYUR

5) _____ (DATE)

STEPHEN MOFFATT

6) _____ (DATE)

WILLIAM SCHAFFER

7) _____ (DATE)

TIMOTHY N. THOMAS

8) _____ (DATE)

MARK YAM

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	PAUL CAREY 1035 Mountain View Avenue Mountain View, CA 94041	2)	AARON MUIR HUNTER 430 Emeline Avenue Santa Cruz, CA 95060
3)	DEAN JENNINGS 6 Thoreau Circle Beverly, MA 01915	4)	ABHILASH MAYUR 17651 Olson Place Salinas, CA 93907
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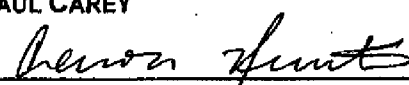
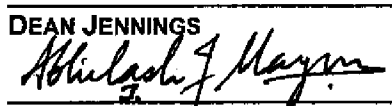

granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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 conventional, 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.

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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)	_____ (DATE)	_____	PAUL CAREY
2)	<u>8/21/06</u> (DATE)	<u></u>	AARON MUIR HUNTER
3)	_____ (DATE)	_____	DEAN JENNINGS
4)	<u>7/27/06</u> (DATE)	<u></u>	ABHILASH MAYUR
5)	_____ (DATE)	_____	STEPHEN MOFFATT
6)	<u>01/26/06</u> (DATE)	<u></u>	WILLIAM SCHAFER
7)	_____ (DATE)	_____	TIMOTHY N. THOMAS
8)	_____ (DATE)	_____	MARK YAM

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	PAUL CAREY 1035 Mountain View Avenue Mountain View, CA 94041	2)	AARON MUIR HUNTER 430 Emeline Avenue Santa Cruz, CA 95060
3)	DEAN JENNINGS 6 Thoreau Circle Beverly, MA 01915	4)	ABHILASH MAYUR 17651 Olson Place Salinas, CA 93907
5)	STEPHEN MOFFATT Seafield Coach House La Route De St Aubin St Lawrence Jersey, Channel Islands JE3 1LL	6)	WILLIAM SCHAFER 9748 Atascadero Avenue Atascadero, CA 93422
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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

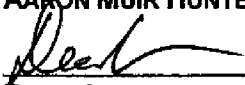
granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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 conventional, 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.

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

1)	_____ (DATE)	_____
		PAUL CAREY
2)	_____ (DATE)	_____
		AARON MUIR HUNTER
3)	<u>30 July 06</u> (DATE)	<u></u>
		DEAN JENNINGS
4)	_____ (DATE)	_____
		ABHILASH MAYUR
5)	_____ (DATE)	_____
		STEPHEN MOFFATT
6)	_____ (DATE)	_____
		WILLIAM SCHAFER
7)	_____ (DATE)	_____
		TIMOTHY N. THOMAS
8)	_____ (DATE)	_____
		MARK YAM

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	PAUL CAREY 1035 Mountain View Avenue Mountain View, CA 94041	2)	AARON MUIR HUNTER 430 Emeline Avenue Santa Cruz, CA 95060
3)	DEAN JENNINGS 6 Thoreau Circle Beverly, MA 01915	4)	ABHILASH MAYUR 17651 Olson Place Salinas, CA 93907
5)	STEPHEN MOFFATT Seafield Coach House La Route De St Aubin St Lawrence Jersey, Channel Islands JE3 1LL	6)	WILLIAM SCHAFER 9748 Atascadero Avenue Atascadero, CA 93422
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		DEAN JENNINGS
4)	_____ (DATE)	_____
		ABHILASH MAYUR
5)	_____ (DATE)	_____
		STEPHEN MOFFATT
6)	<u>7/23/06</u> (DATE)	<u>William Schaffer</u>
		WILLIAM SCHAFER
7)	_____ (DATE)	_____
		TIMOTHY N. THOMAS
8)	_____ (DATE)	_____
		MARK YAM

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

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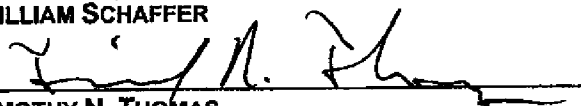
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7)	<u>7/30/06</u> (DATE)	
		TIMOTHY N. THOMAS
8)	_____ (DATE)	_____
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Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

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Names and Addresses of Inventors:

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under Serial No. 11/459,856, 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 conventional, 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 conventional, 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)	_____ (DATE)	_____
		PAUL CAREY
2)	_____ (DATE)	_____
		AARON MUIR HUNTER
3)	_____ (DATE)	_____
		DEAN JENNINGS
4)	_____ (DATE)	_____
		ABHILASH MAYUR
5)	_____ (DATE)	_____
		STEPHEN MOFFATT
6)	_____ (DATE)	_____
		WILLIAM SCHAFER
7)	_____ (DATE)	_____
		TIMOTHY N. THOMAS
8)	<u>07/28/06</u> (DATE)	<u>Mark Yam</u>
		MARK YAM

Atty. Docket No.: APPM/005635.03/FEP/OXD/AG

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	PAUL CAREY 1035 Mountain View Avenue Mountain View, CA 94041	2)	AARON MUIR HUNTER 430 Emeline Avenue Santa Cruz, CA 95060
3)	DEAN JENNINGS 6 Thoreau Circle Beverly, MA 01915	4)	ABHILASH MAYUR 17651 Olson Place Salinas, CA 93907
5)	STEPHEN MOFFATT Seafield Coach House La Route De St Aubin St Lawrence Jersey, Channel Islands JE3 1LL	6)	WILLIAM SCHAFER 9748 Atascadero Avenue Atascadero, CA 93422
7)	TIMOTHY N. THOMAS 11555 NW Vallevue Court Portland, OR 97229	8)	MARK YAM 17608 Vineland Avenue Monte Sereno, CA 95030

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

METHOD OF THERMAL PROCESSING STRUCTURES FORMED ON A SUBSTRATE

for which application for Letters Patent in the United States was filed on ,
under Serial No., 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:

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granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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3)	_____ (DATE)	_____
		DEAN JENNINGS
4)	_____ (DATE)	_____
		ABHILASH MAYUR
5)	<u>5 SEP 2006</u> (DATE)	
		STEPHEN MOFFATT
6)	_____ (DATE)	_____
		WILLIAM SCHAFER
7)	_____ (DATE)	_____
		TIMOTHY N. THOMAS
8)	_____ (DATE)	_____
		MARK YAM

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