

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.

1. Name of conveying party(ies):

Mike Rice (03/21/2006), Jeffrey C. Hudgens (03/21/2006), Charles Carlson (03/22/2006), William Tyler Weaver (03/30/2006),

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

2. Name and address of receiving party(ies)

Name: APPLIED MATERIALS, INC.

Internal Address: _____

Street Address: _____

3050 Bowers Avenue

City: Santa Clara

State: California

Country: United States of America Zip: 95054

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

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

Execution Date(s): in parentheses after inventor name

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

12/840,143; Filed July 20, 2010

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: B. Todd Patterson
PATTERSON & SHERIDAN, LLP
Internal Address: Atty. Dkt.: 009540.C4/FEG/SYNX/SCC
Street Address: 3040 Post Oak Blvd, Suite 1500

City: Houston

State: TX Zip: 77056

Phone Number: (713) 623-4844

Fax Number: (713) 623-4846

Email Address: Jcameron@pattersonsheridan.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 50-1074

Authorized User Name Robert W. Mulcahy

9. Signature:

Signature

September 17, 2010

Date

Robert W. Mulcahy - 25,436

Name of Person Signing

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

20

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: September 17, 2010

Signature: _____

(Keith M. Tackett)

CH \$40.00 501074 12840143

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Robert B. Lowrance (03/28/2006), Eric A. Enghardt (03/21/2006), Dean C. Hruzek (03/21/2006), Dave Silvetti (03/21/2006), Michael Kuchar (03/22/2006), Kirk Vankatwyk (03/22/2006), Van Hoskins (03/22/2006), and Vinay K. Shah (03/21/2006)	
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/009540.P1/DSM/PRT/JW

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	MIKE RICE 1025 Via Di Salerri Pleasanton, CA 94566	2)	JEFFREY HUDGENS 236 W. Portal Avenue, #439 San Francisco, CA 95127
3)	CHARLES CARLSON 107 San Mateo Tr. Cedar Park, TX 78613	4)	WILLIAM TYLER WEAVER 1608 Grayford Street Austin, TX 78724
5)	ROBERT LOWRANCE 15822 Edmund Drive Los Gatos, CA 95032	6)	ERIC ENGLHARDT 4168 Wallis Court Palo Alto, CA 94306
7)	DEAN C. HRUZEK 11705 Spotted Horse Drive Austin, TX 78759	8)	DAVE SILVETTI 3450 White Oak Court Morgan Hill, CA 95037
9)	MICHAEL KUCHAR 11509 Chancellroy Drive Austin, TX 78759	10)	KIRK VAN KATWYK 55 Lavender Court Tracy, CA 95376
11)	VAN HOSKINS 710 Lakeview Cove Round Rock, TX 78681	12)	VINAY SHAH 145 30th Avenue San Mateo, CA 94403

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

CARTESIAN ROBOT CLUSTER TOOL ARCHITECTURE

for which application for Letters Patent in the United States was filed on December 22, 2005 Herewith under Serial No. 11/315,984, 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.

9540.P1 - ASG.DOC

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)	<u>3/21/06</u> (DATE)	 _____ MIKE RICE
2)	<u>3/21/2006</u> (DATE)	 _____ JEFFREY HUDGENS
3)	_____ (DATE)	_____ CHARLES CARLSON
4)	_____ (DATE)	_____ WILLIAM TYLER WEAVER

- 5) _____ (DATE) _____
ROBERT LOWRANCE
- 6) _____ (DATE) _____
ERIC ENGLHARDT
- 7) _____ (DATE) _____
DEAN C. HRUZEK
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DAVE SILVETTI
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MICHAEL KUCHAR
- 10) _____ (DATE) _____
KIRK VAN KATWYK
- 11) _____ (DATE) _____
VAN HOSKINS
- 12) _____ (DATE) _____
VINAY SHAH

Atty. Docket No.: APPM/009540.P1/DSM/PRT/JW

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1)	_____ (DATE)	_____
		MIKE RICE
2)	_____ (DATE)	_____
		JEFFREY HUDGENS
3)	<u>3/22/06</u> (DATE)	
		CHARLES CARLSON
4)	_____ (DATE)	_____
		WILLIAM TYLER WEAVER

- 5) _____ (DATE) _____
ROBERT LOWRANCE
- 6) _____ (DATE) _____
ERIC ENGLHARDT
- 7) _____ (DATE) _____
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VAN HOSKINS
- 12) _____ (DATE) _____
VINAY SHAH

Atty. Docket No.: APPM/009540.P1/DSM/PRT/JW

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WHEREAS:

Names and Addresses
of Inventors:

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		JEFFREY HUDGENS
3)	_____ (DATE)	_____
		CHARLES CARLSON
4)	<u>3/30/06</u> (DATE)	
		WILLIAM TYLER WEAVER

5) 3/28/06 (DATE)


ROBERT LOWRANCE

6) _____ (DATE)

ERIC ENGLHARDT

7) _____ (DATE)

DEAN C. HRUZEK

8) _____ (DATE)

DAVE SILVETTI

9) _____ (DATE)

MICHAEL KUCHAR

10) _____ (DATE)

KIRK VAN KATWYK

11) _____ (DATE)

VAN HOSKINS

12) _____ (DATE)

VINAY SHAH

Atty. Docket No.: APPM/009540.P1/DSM/PRT/JW

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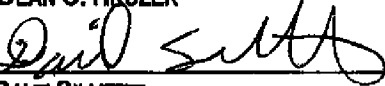
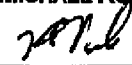
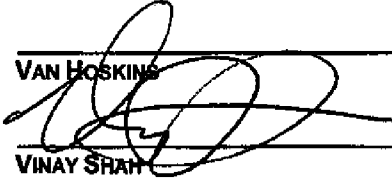
3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

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		MIKE RICE
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ROBERT LOWRANCE
- 6) 3/21/06 (DATE) 
ERIC ENGHARDT
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- 10) _____ (DATE) _____
KIRK VAN KATWYK
- 11) _____ (DATE) _____
VAN HOSKINS
- 12) _____ (DATE) _____
VINAY SHAH

Atty. Docket No.: APPM/009540.P1/DSM/PRT/JW

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	MIKE RICE 1025 Via Di Salerri Pleasanton, CA 94566	2)	JEFFREY HUDGENS 236 W. Portal Avenue, #439 San Francisco, CA 95127
3)	CHARLES CARLSON 107 San Mateo Tr. Cedar Park, TX 78613	4)	WILLIAM TYLER WEAVER 1608 Grayford Street Austin, TX 78724
5)	ROBERT LOWRANCE 15822 Edmund Drive Los Gatos, CA 95032	6)	ERIC ENGLHARDT 4168 Wallis Court Palo Alto, CA 94306
7)	DEAN C. HRUZEK 11705 Spotted Horse Drive Austin, TX 78759	8)	DAVE SILVETTI 3450 White Oak Court Morgan Hill, CA 95037
9)	MICHAEL KUCHAR 11509 Chancellroy Drive Austin, TX 78759	10)	KIRK VAN KATWYK 55 Lavender Court Tracy, CA 95376
11)	VAN HOSKINS 710 Lakeview Cove Round Rock, TX 78681	12)	VINAY SHAH 145 30th Avenue San Mateo, CA 94403

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

CARTESIAN ROBOT CLUSTER TOOL ARCHITECTURE

for which application for Letters Patent in the United States was filed on December 22, 2005 Herewith under Serial No. 11/315,984, 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.

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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.

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)	_____ MIKE RICE
2)	_____ (DATE)	_____ JEFFREY HUDGENS
3)	_____ (DATE)	_____ CHARLES CARLSON
4)	_____ (DATE)	_____ WILLIAM TYLER WEAVER

- 5) _____ (DATE) _____
ROBERT LOWRANCE
- 6) _____ (DATE) _____
ERIC ENGLHARDT
- 7) _____ (DATE) _____
DEAN C. HRUZEK
- 8) _____ (DATE) _____
DAVE SILVETTI
- 9) _____ (DATE) _____
MICHAEL KUCHAR
- 10) _____ (DATE) _____
KIRK VAN KATWYK
- 11) 3-22-06 (DATE) 
VAN HOSKINS
- 12) _____ (DATE) _____
VINAY SHAH