

11-27-2006



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REI

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

92-1E-11

1. Name of conveying party(ies):  
Huey-Shin YUAN (8/16/1999),  
Patrick M. D'SOUZA (8/16/1999),  
Yuehshian T. CHI (8/16/1999),  
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: \_\_\_\_\_

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 \_\_\_\_\_

3050 Bowers Avenue  
City: Santa Clara  
State: California  
Country: United States of America Zip: 95054  
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)  
10/084,092  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
 Yes  No

5. Name and address to whom correspondence concerning document should be mailed:  
Name: APPLIED MATERIALS, INC.  
Internal Address: Atty. Dkt.: 4066 D1/CONSILIUM/MBE  
Street Address: P.O. Box 450A  
City: Santa Clara  
State: CA Zip: 95052  
Phone Number: (408) 563-2721  
Fax Number: (408) 986-3090  
Email Address: \_\_\_\_\_

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

9. Signature: Ketan Kadiwala November 21, 2006  
Signature Date

Ketan Kadiwala - 57,725 Total number of pages including cover sheet, attachments, and documents: 5  
Name of Person Signing

11/24/2006 KJAMA1 00000118 080219 10084092

01 FC:8021 ( 40.00 DA )

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

John ARACKAPARAMBIL (8/16/1999), Billy CHOW (8/16/1999), Parris C M. HAWKINS (8/16/1999), Charles Q. HUANG (8/16/1999), Jett JENSEN (8/16/1999), Pradeep M. KULKARNI (8/16/1999), Prakash M. KULKARNI (8/16/1999), Wen F. LIN (8/16/1999), Shantha MOHAN (8/20/1999), Bishnu NANDY (8/16/1999), and Badri N. KRISHNAMURTHY (8/16/1999)

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?

Yes

No

## ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	John F. Arackaparambil 628 Chestnut St. Apt. "L" San Carlos, CA 94010	2)	Tom Chi 1023 S. Blaney Avenue San Jose, CA
3)	Billy Chow 75 Oak Hollow Way, Menlo Park, CA 94025	4)	Patrick M. D'Souza 302 Easy St., #95 Mountain View, CA 94043
5)	Parris Hawkins 1362 Benedict Ct. Pleasanton, CA 94566	6)	Charles Huang 5874 Carmel Way, Union City, CA 94587
7)	Jett Jensen 627 Marathon Drive Campbell, CA 95008	8)	Badri N. Krishnamurthy 302 Easy St., #16, Mountain View, CA 94043
9)	Pradeep M. Kulkarni 1069 Greco Ave., Sunnyvale, CA 94087	10)	Prakash M. Kulkarni 655 S. Fair Oaks, #3094 Sunnyvale, CA 94086
11)	Wen Fong Lin 1381 Bing Drive, San Jose, CA 95129	12)	Shantha Mohan 261 Parkside Drive Palo Alto, CA 94306
13)	Bishnu Nandy 31381 Cape View Dr., Union City, CA 94587	14)	Huey-Shin Yuan 10319 McKlintock Lane Cupertino, CA 95014

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

"COMPUTER INTEGRATED MANUFACTURING TECHNIQUES"

for which application for Letters Patent in the United States was filed 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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:

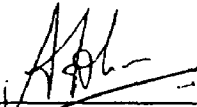
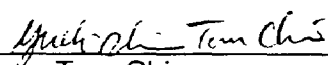


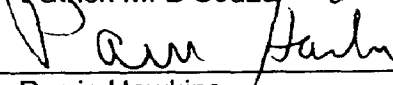
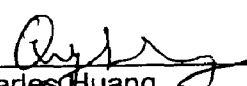
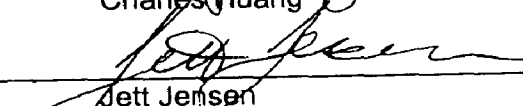
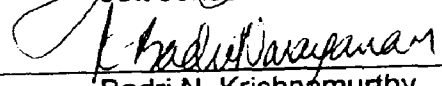
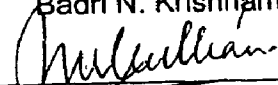

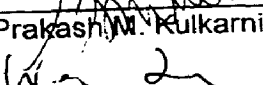
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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.

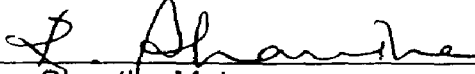
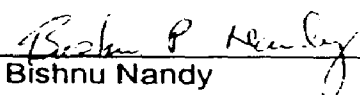
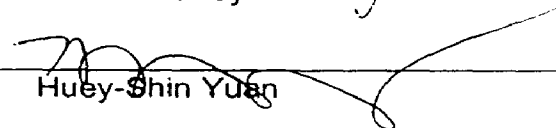
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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) 8/16/, 1999   
John F. Arackaparambil
- 2) 8/16, 1999   
Tom Chi
- 3) AUG 16, 1999   
Billy Chew
- 4) 8/16/, 1999   
Patrick M. D'Souza
- 5) 8/16, 1999   
Parris Hawkins
- 6) 8/16, 1999   
Charles Huang
- 7) 8/16/99, 1999   
Jett Jensen
- 8) 8/16/99, 1999   
Badri N. Krishnamurthy
- 9) 8/16/, 1999   
Pradeep M. Kulkarni
- 10) 8/16/99, 1999   
Prakash M. Kulkarni
- 11) 8/16, 1999   
Wen Fong Lin

- 12) 8/20/99 . 1999   
Shantha Mohan
- 13) 8/16/99 . 1999   
Bishnu Nandy
- 14) 8/16/99 . 1999   
Huey-Shin Yuan