

08-31-2004



TY, DKT. NO. AMAT/2592.D4/DSM/LOW K/JW

FORM PTO-1005  
(Rev. 5-03)  
OMB No. 0051-0011 (exp. 4/04)

102825266

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies): Date  
 CLAES H. BJORKMAN JUNE 18, 1999  
 MELISSA MIN YU JUNE 18, 1999  
 HONGQING SHAN JUNE 18, 1999  
 DAVID W. CHEUNG JUNE 18, 1999  
 WAI-FAN YAU JUNE 18, 1999

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

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: See Above and the Attached

2. Name and address of receiving party(ies):

Name: APPLIED MATERIALS, INC.Internal Address: Patent CounselStreet Address: P.O. Box 450-ACity: Santa Clara State: CA Zip: 95052Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s): «SerialNo»

If this document is being filed together with a new application, the execution date of the application is: HEREWITH (Date of Filing)

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: APPLIED MATERIALS, INC.Internal Address: Patent CounselStreet Address: P.O. Box 450-ACity: Santa Clara State: CA Zip: 950526. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1074/2592.D4/DSM/LOW K/JW

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT W. MULCAHY, Reg. No. 25,436  
 Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 5

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents,  
 P.O. BOX 1450  
 Alexandria, VA 22313-1450

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RECORDATION FORM COVER SHEET  
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KUOWEI LIU	JUNE 18, 1999
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GERALD YIN	JUNE 18, 1999
FARHAD K. MOGHADAM	JULY 7, 1999
JUDY H. HUANG	JUNE 18, 1999
DENNIS YOST	JUNE 22, 1999
BETTY TANG	JUNE 18, 1999
YUNSANG KIM	JULY 7, 1999

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Case #AMAT/3385/PDD/LOWK/JW

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses  
of Inventors:

1)	CLAES H. BJORKMAN 1532 California Street, #5 Mountain View, California 94041	2)	<i>Melissa Min Yu</i> MIN-MELISSA YU 3094 Mattique Drive San Jose, California 95135
3)	HONGQUING SHAN 3630 Tumble Way San Jose, California 95132	4)	DAVID W. CHEUNG 235 Billinsgate Lane Foster City, California 94404
5)	WAI-FAN YAU 1568 Gretel Lane Mountain View, California 94040	6)	KUOWEI LIU 163 N. San Tomas Aquino Road Santa Clara, California 95008
7)	NASREEN GAZALA CHAPRA 350 Sharon Park Dr., #N-209 Menlo Park, California 94025	8)	GERALD YIN 19500 Purnridge Ave., #9203 Cupertino, California 95014
9)	FARHAD K. MOGHADAM 15440 Via Colina Saratoga, California 95070	10)	JUDY H. HUANG 16788 Leroy Ave. Los Gatos, California 95032
11)	DENNIS YOST 16615 Ferris Ave. Los Gatos, California 95032	12)	BETTY TANG 1251 Hazlett Ct. San Jose, California 95131
13)	YUNSANG KIM 2449 Michele Jean Way Santa Clara, California 95050		

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

INTEGRATED LOW K DIELECTRICS AND ETCH STOPS

for which application for Letters Patent in the United States was filed on 6/9/99,  
under Serial No. 09/329,012 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:

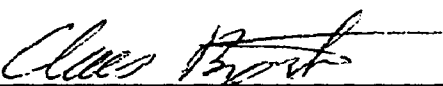
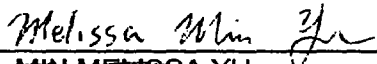
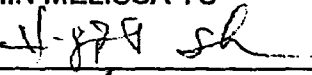
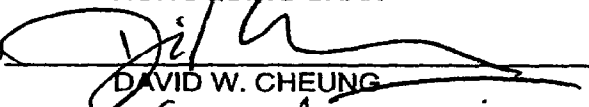

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention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

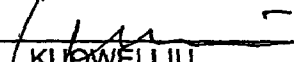
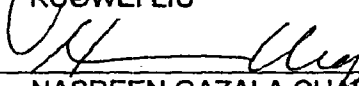
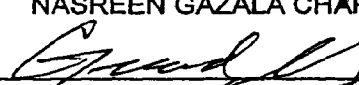
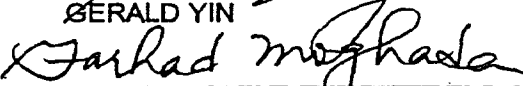
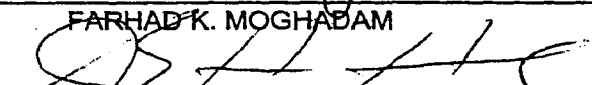
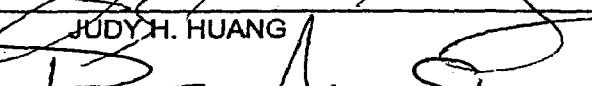
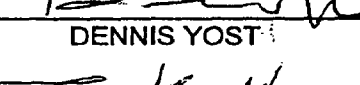
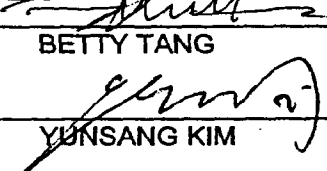
3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

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)	<u>6-18</u>	1999	<u></u> CLAES H. BJORKMAN
2)	<u>June 18</u>	1999	<u></u> MIN MELISSA YU
3)	<u>6/18</u>	1999	<u></u> HONGQING SHAN
4)	<u>6/18</u>	1999	<u></u> DAVID W. CHEUNG
5)	<u>6/18</u>	1999	<u></u> WAI-FAN YAU

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- 6) 6/18/99, 1999   
KUOWEI LIU
- 7) 6/21/99, 1999   
NASREEN GAZALA CHAPRA
- 8) 6/18/99, 1999   
GERALD YIN
- 9) 7/7/99, 1999   
FARHAD K. MOGHADAM
- 10) 6/18, 1999   
JUDY H. HUANG
- 11) 6/22/99, 1999   
DENNIS YOST
- 12) 6/18, 1999   
BETTY TANG
- 13) 7/7, 1999   
YUNSANG KIM

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