Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Martin Jay Seamons	07/15/2005
Wendy H Yeh	07/05/2005
Sudha S.R. Rathi	07/13/2005
Deenesh Padhi	07/08/2005
Andy Hsin Chiao Luan	07/11/2005
Sum-Yee Betty Tang	07/13/2005
Visweswaren Sivaramakrishnan	07/13/2005
Bok Hoen Kim	07/13/2005
Hichem M'Saad	07/11/2005
Yuxiang May Wang	07/14/2005
Michael Chiu Kwan	07/13/2005

RECEIVING PARTY DATA

Name:	Applied Materials, Inc.
Street Address:	P. O. Box 450A
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11065464

CORRESPONDENCE DATA

Fax Number: (408)986-3090

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: barbara_holt@amat.com

Correspondent Name: Applied Materials
Address Line 1: P.O. Box 450A

PATENT REEL: 016424 FRAME: 0940

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Address Line 4: Santa Clara, CALIFORNIA 95052			
NAME OF SUBMITTER:	Barbara Holt		
Total Attachments: 12			
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WHEREAS: Names and Addresses of Inventors:

1)	MARTIN JAY SEAMONS 374 BROOKMERE DRIVE SAN JOSE, CALIFORNIA 95123	2)	WENDY H. YEH 2439 VILLA NUEVA WAY MOUNTAIN VIEW, CALIFORNIA 94040
3)	SUDHA S.R. RATHI 2748 WESTBERRY DRIVE SAN JOSE, CALIFORNIA 95132	4)	DEENESH PADHI 825 EAST EVELYN AVE #307 SUNNYVALE, CA 94086
5)	ANDY (HSIN CHIAO) LUAN 111 HAMILTON AVENUE PALO ALTO, CA 94301	6)	SUM-YEE BETTY TANG 1251 HAZLETT CT. SAN JOSE, CA 95131
7)	PRIYA KULKARNI 121 SARATOGA AVENUE APT. 4107 SANTA CLARA, CALIFORNIA 95051	8)	VISWESWAREN SIVARAMAKRISHNAN 2223 AUGUST PLACE SANTA CLARA, CA 95051
9)	BOK HOEN KIM 6656 PEBBLEWOOD CT SAN JOSE, CA 95120	10)	HICHEM M'SAAD 3500 GRANADA AVE. #364 SANTA CLARA, CA 95051
11)	YUXIANG MAY WANG 1000 Escalon Ave # J 2080 SUNNYVALE, CA 94085	12)	MICHAEL CHIU KWAN 824 Corvallis Drive Sunnyvale, California 94087

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

LIQUID PRECURSORS FOR THE CVD DEPOSITION OF AMORPHOUS CARBON FILMS

enclosed herewith or for which application for Letters Patent in the United States was filed on February 23, 2005, under Serial No. <u>11/065,464</u>; 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.

1 of 3

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.
- 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 t	o said Assignee on the date	es indicated below,
1)	7/15/05 (DATE)	Morting. Leamons
	1 / -	MARTIN JAY SEAMONS
2)	9/6/5 (DATE)	Wond
	· · · · · · · · · · · · · · · · · · ·	WENDY H. YEH
3)	7-13-05 (DATE)	Sucha
•		SUDHA S.R. RATHI

4)	67108105 (DATE)	Delala Jans Deenesh padhi
5)	7/11/05 (DATE)	ANDY (HSIN CHIAO) LUAN
6	(DATE)	SUM-YEE BETTY TANG
7)	(DATE)	PRIYA KULKARNI
8)	7/13/05 (DATE)	VISWESWAREN SIVARAMAKRISHNAN
9)	M/3/12 (DATE)	BOK HOEN KIM
10)	7-11-05 (DATE)	HICHEM M'SAAD
11)	(DATE)	YUXIANG MAY WANG
12)	(DATE)	MICHAEL CHIU KWAN

WHEREAS: Names and Addresses of Inventors:

	T	·	
1)	MARTIN JAY SEAMONS 374 BROOKMERE DRIVE SAN JOSE, CALIFORNIA 95123	2)	WENDY H. YEH 2439 VILLA NUEVA WAY MOUNTAIN VIEW, CALIFORNIA 94040
3)	SUDHA S.R. RATHI 2748 WESTBERRY DRIVE SAN JOSE, CALIFORNIA 95132	4)	DEENESH PADHI 825 EAST EVELYN AVE #307 SUNNYVALE, CA 94086
5)	ANDY (HSIN CHIAO) LUAN 111 HAMILTON AVENUE PALO ALTO, CA 94301	6)	SUM-YEE BETTY TANG 1251 HAZLETT CT. SAN JOSE, CA 95131
7)	PRIYA KULKARNI 121 SARATOGA AVENUE APT. 4107 SANTA CLARA, CALIFORNIA 95051	8)	VISWESWAREN SIVARAMAKRISHNAN 2223 AUGUST PLACE SANTA CLARA, CA 95051
9)	BOK HOEN KIM 6656 PEBBLEWOOD CT SAN JOSE, CA 95120	10)	HICHEM M'SAAD 3500 GRANADA AVE. #364 SANTA CLARA, CA 95051
11)	YUXIANG MAY WANG 1000 Escalon Ave # J 2080 SUNNYVALE, CA 94085	12)	MICHAEL CHIU KWAN 824 Corvallis Drive Sunnyvale, California 94087

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

LIQUID PRECURSORS FOR THE CVD DEPOSITION OF AMORPHOUS CARBON FILMS

enclosed herewith or for which application for Letters Patent in the United States was filed on February 23, 2005, under Serial No. <u>11/065,464</u>; 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.

1 of 3

- 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 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 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)	MARTIN JAY SEAMONS	
2)	(DATE)	WENDY H. YEH	····
3)	(DATE)	SUDHA S.R. RATHI	

4)		(DATE)	DEENESH PADHI
5)		_ (DATE)	ANDY (HSIN CHIAO) LUAN
6	7/13/05	_ (DATE)	SUM-YEE BÉTTY TANG
7)		_ (DATE)	PRIYA KULKARNI
8)		_ (DATE)	VISWESWAREN SIVARAMAKRISHNAN
9)		_ (DATE)	BOK HOEN KIM
10)		_ (DATE)	HICHEM M'SAAD
11)	-	_(DATE)	YUXIANG MAY WANG
12)		_ (DATE)	MICHAEL CHILLICWAN

WHEREAS: Names and Addresses of Inventors:

1)	MARTIN JAY SEAMONS 374 BROOKMERE DRIVE SAN JOSE, CALIFORNIA 95123	2)	WENDY H. YEH 2439 VILLA NUEVA WAY MOUNTAIN VIEW, CALIFORNIA 94040
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1)	(DATE)		
	,	MARTIN JAY SEAMONS	
2)	(DATE)		
		WENDY H. YEH	
3)	(DATE)		
		SUDHA S.R. RATHI	

4)	(DATE)	DEENESH PADHI
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12)	7/13/05 (DATE)	MICHAEL CHILLIANANI

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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)		
		MARTIN JAY SEAMONS	
2)	(DATE)	2297	
		WENDY H. YEH	
3)	(DATE)		
		SUDHAS R RATHI	

(DATE)	DEENESH PADHI
(DATE)	ANDY (HSIN CHIAO) LUAN
(DATE)	SUM-YEE BETTY TANG
(DATE)	PRIYA KULKARNI
(DATE)	VISWESWAREN SIVARAMAKRISHNAN
(DATE)	BOK HOEN KIM
(DATE)	HICHEM M'SAAD
07/14/05 (DATE)	YUXIANG MAY WANG
(DATE)	MICHAEL CHILLEWAN
	(DATE)(DATE)(DATE)(DATE)(DATE)(DATE)(DATE)

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RECORDED: 08/19/2005