

10-15-2002

Form PTO 1595

R



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of F

102248806

Attached original documents or copy thereof

1. Name of conveying party(ies):

EXECUTION DATE

Li Fu	09/27/2002
Sheeba J. Panayil	09/24/2002
Shulin Wang	09/24/2002
Christopher G. Quentin	09/24/2002
Lee Luo	09/24/2002
Aihua Chen	09/28/2002
Xianzhi Tao	09/24/2002

Address of receiving party(ies):

Name: Applied Materials, Inc.
 Internal Address: Legal Affairs Department - M/S 2061
 Street Address: P. O. Box 450A
 City: Santa Clara State: CA Zip: 95052

Additional Name(s) & Address(es) attached? Yes: No:

Additional name(s) of conveying Part(ies) attached? No:
No: 007246 / TCG/LPCVD/LE

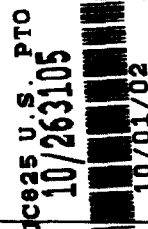
10-1-02

3. Nature of conveyance;

XX - Assignment	Merger
Security Agreement	Change of Name
Other	

Execution Date: See Above

10/26/05



4. Application number(s) or patent number(s): Not yet assigned

If this document is being filed together with a new application, the execution date of the application is: Herewith

A. Patent Application No.(s)

B. Patent No.(s)

Serial No.: Not yet assigned

Filed: Herewith

Additional Numbers attached? Yes No:

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

Name: PATENT COUNSEL: Robert W. Mulcahy
 Internal Address: Applied Materials, Inc.
Legal Affairs Department - M/S 2061
 Street Address: P. O. Box 450A
 City: Santa Clara State: CA Zip: 95052

6. Total number of applications and patent involved: 1

7. Total Fee (37 CFR 3.41) \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit Account Number:

50-1074

(Attach duplicate copy of this page if paying by deposit account)

10/11/2002 BBYRME 00000159 501074 10263105

01 FC:501 40.00 CH

Do Not Use This Space

9. Statement and signature.

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

Robert W. Mulcahy, Reg. No. 25,436

Name of Person Signing

Signature

10-1-02
Date

10. Total number of pages comprising cover sheet, attachments, and document: 15

Mail documents to be recorded with the required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignment
Washington, D.C. 20231

PATENT
REEL: 013370 FRAME: 0395

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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:

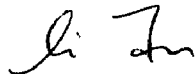
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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) | <u>9/27</u> , 2002 | 

Li Fu |
| 2) | _____, 2002 | _____
Sheeba J. Panayil |
| 3) | _____, 2002 | _____
Shulin Wang |
| 4) | _____, 2002 | _____
Christopher G. Quentin |
| 5) | _____, 2002 | _____
Lee Luo |
| 6) | _____, 2002 | _____
Aihua Chen |
| 7) | _____, 2002 | _____
Xianzhi Tao |

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventor

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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, inventions, 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) _____, 2002

Li Fu

2) 9/24, 2002

Sheeba J. Panayil
Sheeba J. Panayil

3) _____, 2002

Shulin Wang

4) _____, 2002

Christopher G. Quentin

5) _____, 2002

Lee Luo

6) _____, 2002

Aihua Chen

7) _____, 2002

Xianzhi Tao

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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) _____, 2002

Li Fu

2) _____, 2002

Sheeba J. Panayil

3) 09/24, 2002

Shulin Wang

4) _____, 2002

Christopher G. Quentin

5) _____, 2002

Lee Luo

6) _____, 2002

Aihua Chen

7) _____, 2002

Xianzhi Tao

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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) | _____ , 2002 | _____ |
| | | Li Fu |
| 2) | _____ , 2002 | _____ |
| | | Sheeba J. Panayil |
| 3) | _____ , 2002 | _____ |
| | | Shulin Wang |
| 4) | <u>September 24</u> , 2002 | <u>Christopher G. Quentin</u> |
| | | Christopher G. Quentin |
| 5) | _____ , 2002 | _____ |
| | | Lee Luo |
| 6) | _____ , 2002 | _____ |
| | | Aihua Chen |
| 7) | _____ , 2002 | _____ |
| | | Xianzhi Tao |

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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)	_____ , 2002	_____	Li Fu
2)	_____ , 2002	_____	Sheeba J. Panayil
3)	_____ , 2002	_____	Shulin Wang
4)	_____ , 2002	_____	Christopher G. Quentin
5)	9/24 _____ , 2002	_____	Lee Luo
6)	_____ , 2002	_____	Aihua Chen
7)	_____ , 2002	_____	Xianzhi Tao

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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:

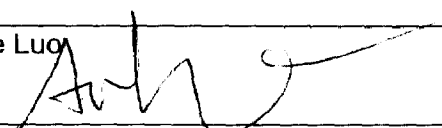
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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)	_____ , 2002	_____	Li Fu
2)	_____ , 2002	_____	Sheeba J. Panayil
3)	_____ , 2002	_____	Shulin Wang
4)	_____ , 2002	_____	Christopher G. Quentin
5)	_____ , 2002	_____	Lee Luo
6)	<u>9/28/02</u> , 2002		Aihua Chen
7)	_____ , 2002	_____	Xianzhi Tao

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Li Fu 3700 Lillick Drive, #328 Santa Clara, CA 95051	2)	Sheeba J. Panayil 2226 Schott Ct. Santa Clara, CA 95054
3)	Shulin Wang 959 Steinway Ave. Campbell, CA 95008	4)	Christopher G. Quentin 317 Woodcreek Terrace Fremont, CA 94539
5)	Lee Luo 222 Brunswick Place Fremont, CA 94539	6)	Aihua Chen 2278 Quail Buff San Jose, CA 95121
7)	Xianzhi Tao 5513 Don Octavio Ct. San Jose, CA 95123		

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

METHOD OF FORMING A CONTROLLED AND UNIFORM LIGHTLY PHOSPHOROUS DOPED SILICON FILM

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 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) _____, 2002
Li Fu
- 2) _____, 2002
Sheeba J. Panayil
- 3) _____, 2002
Shulin Wang
- 4) _____, 2002
Christopher G. Quentin
- 5) _____, 2002
Lee Luo
- 6) _____, 2002
Aihua Chen
- 7) 9/24, 2002

Xianzhi Tao