

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vincent Ku</td> <td>09/18/2002</td> </tr> <tr> <td>Ling Chen</td> <td>10/07/2002</td> </tr> <tr> <td>Howard Grunes</td> <td>09/17/2002</td> </tr> <tr> <td>Hua Chung</td> <td>09/19/2002</td> </tr> </tbody> </table>		Name	Execution Date	Vincent Ku	09/18/2002	Ling Chen	10/07/2002	Howard Grunes	09/17/2002	Hua Chung	09/19/2002
Name	Execution Date										
Vincent Ku	09/18/2002										
Ling Chen	10/07/2002										
Howard Grunes	09/17/2002										
Hua Chung	09/19/2002										
RECEIVING PARTY DATA											
Name:	Applied Materials, Inc.										
Street Address:	3050 Bowers Avenue										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95054										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11552727</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11552727						
Property Type	Number										
Application Number:	11552727										
CORRESPONDENCE DATA											
Fax Number:	(713)623-4846										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	713-623-4844										
Email:	tthomas@pattersonsheridan.com										
Correspondent Name:	Keith M. Tackett										
Address Line 1:	3040 Post Oak Blvd.										
Address Line 2:	Patterson & Sheridan LLP										
Address Line 4:	Houston, TEXAS 77056										
ATTORNEY DOCKET NUMBER:	APPM/007209.C1										
NAME OF SUBMITTER:	Keith M. Tackett										

CH \$40.00 11552727

Total Attachments: 8

source=007209C1_ASG_EF#page1.tif

source=007209C1_ASG_EF#page2.tif

source=007209C1_ASG_EF#page3.tif

source=007209C1_ASG_EF#page4.tif

source=007209C1_ASG_EF#page5.tif

source=007209C1_ASG_EF#page6.tif

source=007209C1_ASG_EF#page7.tif

source=007209C1_ASG_EF#page8.tif

COPY

Case No. 7209/CPI/L/B/PJS

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|--|
| 1) Vincent Ku
1830 Daltrey Way
San Jose, CA 95132 | 4) Hua Chung
4645 Piper Drive
San Jose, CA 95129 |
| 2) Ling Chen
784 Dartshire Way
Sunnyvale, CA 94087 | |
| 3) Howard Grunes
237 Trevethan Avenue
Santa Cruz, CA 95062 | |

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

PROCESSING CHAMBER CONFIGURED FOR UNIFORM GAS FLOW

for which application for Letters Patent in the United States was 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.

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

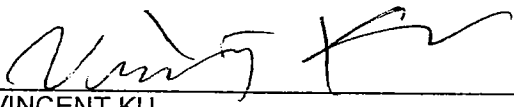
COPY

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>9-18-</u> , 2002	 _____ VINCENT KU
2)	_____, 2002	_____ LING CHEN
3)	_____, 2002	_____ HOWARD GRUNES
4)	_____, 2002	_____ HUA CHUNG

COPY

Case No. 7209/CPI/L/B/PJS

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|--|
| 1) Vincent Ku
1830 Daltrey Way
San Jose, CA 95132 | 4) Hua Chung
4645 Piper Drive
San Jose, CA 95129 |
| 2) Ling Chen
784 Dartshire Way
Sunnyvale, CA 94087 | |
| 3) Howard Grunes
237 Trevethan Avenue
Santa Cruz, CA 95062 | |

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

PROCESSING CHAMBER CONFIGURED FOR UNIFORM GAS FLOW

for which application for Letters Patent in the United States was 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.

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

COPY

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

VINCENT KU

2) 10-7-02, 2002



LING CHEN

3) _____, 2002

HOWARD GRUNES

4) _____, 2002

HUA CHUNG

COPY

Case No. 7209/CPI/LB/PJS

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|--|
| 1) Vincent Ku
1830 Daltrey Way
San Jose, CA 95132 | 4) Hua Chung
4645 Piper Drive
San Jose, CA 95129 |
| 2) Ling Chen
784 Dartshire Way
Sunnyvale, CA 94087 | |
| 3) Howard Grunes
237 Trevethan Avenue
Santa Cruz, CA 95062 | |

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

PROCESSING CHAMBER CONFIGURED FOR UNIFORM GAS FLOW

for which application for Letters Patent in the United States was 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.

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

COPY

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

VINCENT KU

2) _____, 2002

LING CHEN

3) 9/17, 2002

Howard Grunes

HOWARD GRUNES

4) _____, 2002

HUA CHUNG

COPY

Case No. 7209/CPI/L/B/PJS

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|--|
| 1) Vincent Ku
1830 Daltrey Way
San Jose, CA 95132 | 4) Hua Chung
4645 Piper Drive
San Jose, CA 95129 |
| 2) Ling Chen
784 Dartshire Way
Sunnyvale, CA 94087 | |
| 3) Howard Grunes
237 Trevethan Avenue
Santa Cruz, CA 95062 | |

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

PROCESSING CHAMBER CONFIGURED FOR UNIFORM GAS FLOW

for which application for Letters Patent in the United States was 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.

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

COPY

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

VINCENT KU


2) _____, 2002

LING CHEN

3) _____, 2002

HOWARD GRUNES

4) 9/19, 2002



HUA CHUNG