

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>Maosheng Zhao</td> <td>01/22/2003</td> </tr> <tr> <td>Juan Carlos Rocha-Alvarez</td> <td>01/22/2003</td> </tr> <tr> <td>Inna Shmurun</td> <td>01/22/2003</td> </tr> <tr> <td>Soovo Sen</td> <td>01/22/2003</td> </tr> <tr> <td>Mao D. Lim</td> <td>01/23/2003</td> </tr> <tr> <td>Shankar Venkataraman</td> <td>01/24/2003</td> </tr> <tr> <td>Ju-Hyung Lee</td> <td>01/23/2003</td> </tr> </tbody> </table>		Name	Execution Date	Maosheng Zhao	01/22/2003	Juan Carlos Rocha-Alvarez	01/22/2003	Inna Shmurun	01/22/2003	Soovo Sen	01/22/2003	Mao D. Lim	01/23/2003	Shankar Venkataraman	01/24/2003	Ju-Hyung Lee	01/23/2003
Name	Execution Date																
Maosheng Zhao	01/22/2003																
Juan Carlos Rocha-Alvarez	01/22/2003																
Inna Shmurun	01/22/2003																
Soovo Sen	01/22/2003																
Mao D. Lim	01/23/2003																
Shankar Venkataraman	01/24/2003																
Ju-Hyung Lee	01/23/2003																
RECEIVING PARTY DATA																	
Name:	Applied Materials, Inc.																
Street Address:	P.O. Box 450-A																
City:	Santa Clara																
State/Country:	CALIFORNIA																
Postal Code:	95052																
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>11426154</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11426154												
Property Type	Number																
Application Number:	11426154																
CORRESPONDENCE DATA																	
Fax Number:	(732)530-9808																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	(732) 530-9404																
Email:	adevesty@pattersonsheridan.com																
Correspondent Name:	Keith Taboada, Esq.																
Address Line 1:	595 Shrewsbury Avenue																
Address Line 4:	Shrewsbury, NEW JERSEY 07702																
ATTORNEY DOCKET NUMBER:	007660D02/DSM/LOWK/JW																

OP \$40.00 11426154

NAME OF SUBMITTER:

Keith Taboada, Esq.

Total Attachments: 2

source=APPM_7660D02_EASG_6_06#page1.tif

source=APPM_7660D02_EASG_6_06#page2.tif

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|---|
| 1) Maosheng Zhao
3770 Flora Vista Ave., Apt. 904
Santa Clara, CA 95051 | 4) Soovo Sen
884 Azure Street
Sunnyvale, CA 94087 |
| 2) Juan Carlos Rocha-Alvarez
870 E. El Camino Real, Apt. 522
Sunnyvale, CA 94087 | 5) Mao D. Lim
3131 Peanut Brittle Drive
San Jose, CA 95148 |
| 3) Inna Shmurun
695 Beach Park Blvd.
Foster City, CA 94404 | 6) Shankar Venkataraman
3444 Notre Dame Drive
Santa Clara, CA 95051 |
| | 7) Ju-Hyung Lee
675 Brentwood Drive
San Jose, CA 95129 |

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

METHOD AND APPARATUS FOR CLEANING A CVD CHAMBER

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 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) 1/22, 2003 Maosheng Zhao
Maosheng Zhao
- 2) Jan 22nd, 2003 Juan Carlos Rocha-Alvarez
Juan Carlos Rocha-Alvarez
- 3) 01/22, 2003 Inna Shmurun
Inna Shmurun
- 4) 01/22, 2003 Soovo Sen
Soovo Sen
- 5) 01/23, 2003 Mao D. Lim
Mao D. Lim
- 6) 1/24, 2003 Shankar Venkataraman
Shankar Venkataraman
- 7) 01/23, 2003 Ju-Hyung Lee
Ju-Hyung Lee