

PATENT ASSIGNMENT

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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>Jun Zhao</td> <td>10/16/2002</td> </tr> <tr> <td>David Quach</td> <td>10/16/2002</td> </tr> <tr> <td>Timothy Weidman</td> <td>10/16/2002</td> </tr> <tr> <td>Rick J. Roberts</td> <td>10/16/2002</td> </tr> <tr> <td>Farhad Moghadam</td> <td>10/16/2002</td> </tr> <tr> <td>Dan Maydan</td> <td>10/22/2002</td> </tr> </tbody> </table>		Name	Execution Date	Jun Zhao	10/16/2002	David Quach	10/16/2002	Timothy Weidman	10/16/2002	Rick J. Roberts	10/16/2002	Farhad Moghadam	10/16/2002	Dan Maydan	10/22/2002
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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>Patent Number:</td> <td>7381052</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	7381052										
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Patent Number:	7381052														
CORRESPONDENCE DATA															
Fax Number:	(303)571-4321														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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Correspondent Name:	Eugene J. Bernard														
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ATTORNEY DOCKET NUMBER:	016301-044811US														

CH \$40.00 7381052

NAME OF SUBMITTER:

Eugene J. Bernard

Total Attachments: 2

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Jun Zhao 11764 Ridge Creek Court Cupertino, CA 95014 United States	2)	David Quach 1205 Swinging Gate Ct. San Jose, CA 95120 United States
3)	Timothy Weidman 776 Henderson Avenue Sunnyvale, CA 94086 United States	4)	Rick J. Roberts P.O. Box 70817 Sunnyvale, CA 94086 United States
5)	Farhad Moghadam 15440 Via Colina Drive Saratoga, CA 95070 United States	6)	Dan Maydan 12000 Murietta Lane Los Altos Hills, CA 94022 United States

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

APPARATUS AND METHOD FOR HEATING SUBSTRATES

for which application for Letters Patent in the United States is filed herewith , under Application No. unassigned 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:


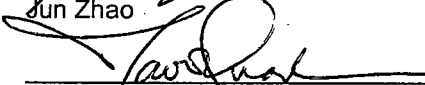
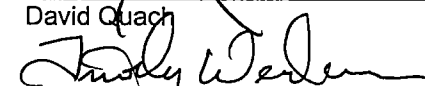
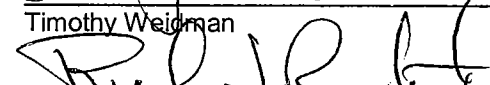
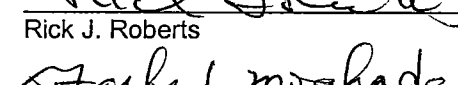
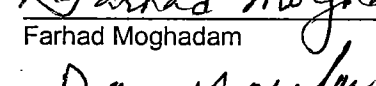
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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)	<u>Oct. 16, 02</u>	, 2002	 Jun Zhao
2)	<u>10-16</u>	, 2002	 David Quach
3)	<u>Oct. 16</u>	, 2002	 Timothy Weidman
4)	<u>16 Oct</u>	, 2002	 Rick J. Roberts
5)	<u>16 Oct.</u>	, 2002	 Farhad Moghadam
6)	<u>10/22/02</u>	, 2002	 Dan Maydan

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