

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DEAN JENNINGS</td><td>08/22/2006</td></tr><tr><td>ABHILASH J. MAYUR</td><td>09/08/2006</td></tr><tr><td>TIMOTHY N. THOMAS</td><td>08/22/2006</td></tr><tr><td>VIJAY PARIHAR</td><td>08/29/2006</td></tr><tr><td>VEDAPURAM S. ACHUTHARAMAN</td><td>05/04/1995</td></tr><tr><td>RANDHIR P.S. THAKUR</td><td>08/31/2006</td></tr></tbody></table>	Name	Execution Date	DEAN JENNINGS	08/22/2006	ABHILASH J. MAYUR	09/08/2006	TIMOTHY N. THOMAS	08/22/2006	VIJAY PARIHAR	08/29/2006	VEDAPURAM S. ACHUTHARAMAN	05/04/1995	RANDHIR P.S. THAKUR	08/31/2006	
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VEDAPURAM S. ACHUTHARAMAN	05/04/1995														
RANDHIR P.S. THAKUR	08/31/2006														
RECEIVING PARTY DATA															
Name:	Applied Materials, Inc.														
Street Address:	P.O. Box 450-A														
Internal Address:	Legal Affairs Department														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95052														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11508781</td></tr></tbody></table>	Property Type	Number	Application Number:	11508781											
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Application Number:	11508781														
CORRESPONDENCE DATA															
Fax Number:	(408)986-3090														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	408-235-6536														
Email:	jo_ann_cottrell@amat.com														
Correspondent Name:	Applied Materials, Inc.														
Address Line 1:	P.O. Box 450-A														
Address Line 2:	Legal Affairs Dept.														
Address Line 4:	Santa Clara, CALIFORNIA 95052														
ATTORNEY DOCKET NUMBER:	10277-02/FEP/OXD/AG														

PATENT

500176181

REEL: 018496 FRAME: 0832

CH \$40.00 11508781

NAME OF SUBMITTER:

Jo Ann Cottrell

Total Attachments: 12

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	DEAN JENNINGS 6 THOREAU CIRCLE BEVERLY, MA 01915	2)	ABHILASH J. MAYUR 17651 OLSON PLACE SALINAS, CA 93907
3)	TIMOTHY N. THOMAS 11555 NW VALLEVUE COURT PORTLAND, OR 97229	4)	VIJAY PARIHAR 41521 JOYCE AVENUE FREMONT, CA 94539
5)	VEDAPURAM S. ACHUTHARAMAN 4015 ASHBROOK CIRCLE SAN JOSE, CA 95124	6)	RANDHIR P. S. THAKUR 5261 APENNINES CIRCLE SAN JOSE, CA 95138

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

**"FAST AXIS BEAM PROFILE SHAPING BY COLLIMATION LENSLETS FOR HIGH POWER LASER
DIODE BASED ANNEALING SYSTEM "**

for which application for Letters Patent in the United States was filed 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 renewal or extension of any of said Patents.

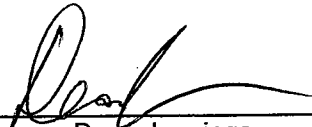
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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

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) 22 Aug, 2006  _____
Dean Jennings
- 2) _____, 2006 _____
Abhilash J. Mayur
- 3) _____, 2006 _____
Timothy N. Thomas
- 4) _____, 2006 _____
Vijay Parihar
- 5) _____, 2006 _____
Vedapuram S. Achutharaman
- 6) _____, 2006 _____
Randhir P. S. Thakur

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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

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.

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- 1) _____, 2006 _____
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- 2) 9/8/06, 2006 Abhilash J. Mayur
Abhilash J. Mayur
- 3) _____, 2006 _____
Timothy N. Thomas
- 4) 08/29/, 2006 Vijay Parihar
Vijay Parihar
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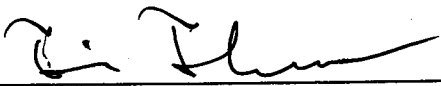
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- 4) _____, 2006 _____
Vijay Parihar
- 5) _____, 2006 _____
Vedapuram S. Achutharaman
- 6) 8-31-06, 2006 Randhir P. S. Thakur
Randhir P. S. Thakur

Revised 3/94

EMPLOYEE AGREEMENT:

NAME VEDAPURAM ACHUTHARAMAN DATE 05/09/95
DEPARTMENT HTF DIVISION

RECEIVED



JUL 13 1995

In consideration of my employment and the compensation paid to me for my services during the term of my employment with Applied Materials, Inc. ("APPLIED"), I (Employee) agree with APPLIED as follows:

1. CONFIDENTIAL INFORMATION

A. Confidential information shall include, without limitation, any and all information concerning (i) processes, formulas, trade secrets, innovations, inventions, discoveries, improvements, research or development and test results, specifications, data, and knowhow; (ii) marketing plans, business plans, strategies, forecasts, unpublished financial information, budgets, projections, product plans and pricing; (iii) personnel information, including organizational structure, salary, and qualifications of employees; (iv) customer and supplier information, including identities, product sales and purchase history or forecasts and agreements; and (v) any other information which is not known to the public. Except as may be authorized by APPLIED in writing, I shall hold all such confidential information in trust and confidence for APPLIED, and agree not to disclose such information to anyone outside of APPLIED or use such information for the benefit of anyone other than APPLIED, either during or after my employment with APPLIED. I further agree to deliver promptly to APPLIED on termination of my employment or at any time it may so request, all memoranda, notes, notebooks, records, reports, manuals, drawings, blueprints and any other documents or things belonging to APPLIED, including all copies of such materials, which I may then possess or have in my custody or under my control. The rights and obligations of this paragraph shall survive and continue after any expiration or termination of this Agreement or of my employment with APPLIED so long as the information specified herein shall remain confidential.

B. I agree that I will not use or disclose any confidential information belonging to my former employer(s) during my employment with APPLIED, and I agree that I will not bring onto the premises of APPLIED any documents, records, files or other property belonging to my former employer(s).

C. I understand that APPLIED has received and in the future will receive from third parties their confidential information subject to a duty by APPLIED to maintain the confidentiality of such information. I agree that I owe APPLIED and such third parties a duty to hold all such confidential or proprietary information in confidence and not to disclose it to others or to use it for the benefit of anyone other than for APPLIED or such third party.

Initials: [Signature]

APPLIED MATERIALS CONFIDENTIAL/HR

PATENT

REEL: 018496 FRAME: 0842



APPLIED

EMPLOYEE AGREEMENT

2. CONFIDENTIAL INVENTIONS, PATENTS, TRADE SECRETS AND COPYRIGHTS

A. I agree that all inventions, copyrightable works and confidential information (including but not limited to new contributions; improvements, ideas or discoveries, whether patentable or not and computer source code and documentation) produced, conceived, made or first actually reduced to practice by me solely or jointly with others during the period of my employment with APPLIED (the foregoing are subsequently referred to as Creative Works), are hereby assigned to APPLIED and shall be the exclusive property of APPLIED. I agree that I will:

(a) promptly disclose in detail all Creative Works to APPLIED;

(b) at the request of APPLIED, sign and provide any and all documents, testimony or any other assistance that is reasonably necessary to assign, file, register or otherwise secure to APPLIED exclusive rights to Creative Works in the United States and all other countries;

(c) accept the wages provided for my services as my sole compensation for the assignment to APPLIED of all rights to Creative Works and other rights granted to APPLIED under this Agreement. In case any invention is described in a patent application or is disclosed to third parties by me after terminating my employment with APPLIED, it is to be presumed that the invention was conceived or made during the period of my employment for APPLIED, and the invention will be assigned to APPLIED as provided by this Agreement, provided it relates to my work with APPLIED or any of its subsidiaries. Any Creative Works made by me prior to any association by me with APPLIED and without the confidential information and/or resources of APPLIED shall be not subject to the assignment provision of this Agreement.

(d) waive any and all "moral rights" which I may have in such Creative Works, and to assign all such "moral rights" to APPLIED. "Moral Rights" mean any rights to claim authorship of a Creative Work, to object to or prevent the modification of any Creative Work, or to withdraw from circulation or control the publication or distribution of any Creative Work, and any similar right, existing under judicial or statutory law of any country in the world, or under any treaty, regardless of whether or not such right is denominated or generally referred to as a "moral right".

Initials: J. Smith

APPLIED MATERIALS CONFIDENTIAL/HR

EMPLOYEE AGREEMENT

B. I understand that the provisions of this agreement do not apply to any invention which qualifies fully to be excluded pursuant to the provisions of California Labor Code Section 2870 (printed on the reverse of this agreement). I will advise APPLIED promptly in writing of any inventions I believe meet such criteria.

3. NON-SOLICITATION OF EMPLOYEES

During my employment with APPLIED, and for a period of one year after the termination of my employment with APPLIED for any reason, I agree that I shall not either directly or indirectly solicit, induce, recruit or encourage any of APPLIED'S employees to leave their employment or take away such employees, or attempt to solicit, induce, recruit, encourage or take away employees of APPLIED, either for myself or for any other person or entity.

4. AT-WILL EMPLOYMENT STATUS

I understand and acknowledge that my employment at APPLIED is "at will" which means that there is no agreement, express or implied, between me and APPLIED for any definite period of employment. APPLIED and I each have a right to terminate my employment, with or without cause and with or without advance notice.

5. ARBITRATION

I agree that, except as set forth in the last sentence of this paragraph, any controversy or claim arising out of or relating to my employment, including termination thereof, whether based on contract or tort or otherwise, shall be finally settled by binding arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association. The arbitration will be conducted in the city in which I am or was last employed. Judgement upon any award rendered in an arbitration proceeding may be entered in any court having jurisdiction thereof. Any controversy or claim subject to arbitration shall be deemed waived, and shall be forever barred, if arbitration is not initiated within one year after the date the controversy or claim first arose. In any arbitration commenced pursuant to this paragraph, depositions may be taken and discovery obtained as provided in the Federal rules of civil procedure, subject to limitation by the arbitrator to a reasonable amount. This agreement to arbitrate shall not apply to claims for Worker's Compensation

Initials: JS Chubb

or unemployment compensation or to controversies or claims arising out of or related to misappropriation, misuse or unauthorized disclosure of APPLIED's trade secrets or confidential information.

6. GENERAL PROVISIONS

A. If one or more of the provisions in this Agreement are deemed void by law, then the remaining provisions will continue in full force and effect.

B. I agree that all my obligations under this Agreement shall be binding upon my heirs, executors, administrators, legal representatives and assigns.

C. I acknowledge that this is the sole Agreement between myself and APPLIED with respect to the subject matters hereof, that I have not relied upon any representation or promise not expressly stated herein, and that any modifications to this Agreement can only be made in writing signed by me and an appropriate APPLIED Officer.

[Signature]
EMPLOYEE SIGNATURE

APPLIED MATERIALS, INC.

EMPLOYEE VEDAPURAM ACHUTHARAMAN BY: *[Signature]*
Print

HOME ADDRESS 1530, S. 6th St., #C-2101

MINNEAPOLIS, MN 55454.

SECTION 2870, CHAPTER 2, ARTICLE 3.5 OF THE CALIFORNIA LABOR CODE reads as follows:

(a) Any provision in an employment agreement which provides that an employee shall assign, or offer to assign, any of his or her rights in an invention to his or her employer shall not apply to an invention that the employee developed entirely on his or her own time without using the employer's equipment, supplies, facilities, or trade secret information except for those inventions that either:

(1) Relate at the time of conception or reduction to practice of the invention to the employer's business, or actual or demonstrably anticipated research or development of the employer; or

(2) Result from any work performed by the employee for the employer.

(b) To the extent a provision in an employment agreement purports to require an employee to assign an invention otherwise excluded from being required to be assigned under subdivision (a), the provision is against the public policy of this state and is unenforceable.

APPLIED MATERIALS CONFIDENTIAL/HR

PATENT