

10-04-2004

ATTY. DKT. NO. AMAT/8504/FEP/OXD/JW

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

U.S. Department of Commerce
Patent and Trademark Office

102850738

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

BALASUBRAMANIAN RAMACHANDRAN
JOSEPH MICHAEL RANISH
RAVI JALLEPALLY
SUNDAR RAMAMURTHY

Date
8/10/04
8/10/04
8/10/04
9/21/04

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: See Above and the Attached

2. Name and address of receiving party(ies):

Name: Applied Materials, Inc.Internal Address: P.O. Box 450-A

Street Address:

City: Santa Clara State: CA Zip: 95052Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s): UNKNOWN

10950145

If this document is being filed together with a new application, the execution date of the application is: September 24, 2004 (Date of Filing)

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Patent CounselInternal Address: APPLIED MATERIALS, INC.Street Address: P.O. Box 450-ACity: Santa Clara State: CA Zip: 950526. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41)----- \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1074/AMAT/8504/FEP/OXD/JW

DO NOT USE THIS SPACE

9. Statement and signature.

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

ROBERT W. MULCAHY, Reg. No. 25,436
Name of Person Signing

Signature

September 24, 2004
Date

Total number of pages including cover sheet, attachments and document: 10

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

Commissioner of Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

10/01/2004 ECOOPER 00000352 501074 10950145

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PATENT
REEL: 015837 FRAME: 0189

RECORDATION FORM COVER SHEET
Page 2

Date

RAMAN ACHUTHARAMAN
BRIAN HAAS
AARON HUNTER

9/13/04
8/16/04
8/12/04

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	BALASUBRAMANIAN RAMACHANDRAN 3166 Dallas Ct. Santa Clara, CA 95051	2)	JOSEPH MICHAEL RANISH 3751 Woodleaf Ct. San Jose, CA 95117
3)	RAVI JALLEPALLY 1655 Betty Court Santa Clara, CA 95051	4)	SUNDAR RAMAMURTHY 5606 Snowflake Common Fremont, CA 94538
5)	RAMAN ACHUTHARAMAN 4015 Ashbrook Circle San Jose, CA 95124	6)	BRIAN HAAS 5995 Tuliptree Drive San Jose, CA 95123
7)	AARON HUNTER 430 Emeline Avenue Santa Cruz, CA 95060		

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

TAILORED TEMPERATURE UNIFORMITY

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 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


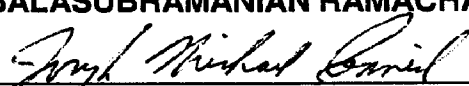
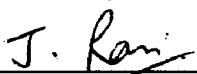
rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, 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 conventional, 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>08/10/2004</u> (DATE)	 BALASUBRAMANIAN RAMACHANDRAN
2)	<u>8/10/2004</u> (DATE)	 JOSEPH MICHAEL RANISH
3)	<u>8/10/2004</u> (DATE)	 RAVI JALLEPALLY
4)	_____ (DATE)	_____ SUNDAR RAMAMURTHY
5)	_____ (DATE)	_____ RAMAN ACHUTHARAMAN
6)	_____ (DATE)	_____ BRIAN HAAS

7)

8/12/04

(DATE)

Aaron Hunter
AARON HUNTER

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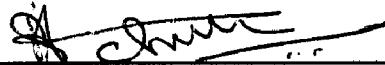
Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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		JOSEPH MICHAEL RANISH
3)	_____ (DATE)	_____
		RAVI JALLEPALLY
4)	<u>9/21/04</u> (DATE)	 _____
		SUNDAR RAMAMURTHY
5)	<u>09.13.04</u> (DATE)	 _____
		VEDAPURAM ACHUTHARAMAN <i>Raman</i>
6)	_____ (DATE)	_____
		BRIAN HAAS
7)	_____ (DATE)	_____
		AARON HUNTER

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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 conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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4)	_____ (DATE)	_____
		SUNDAR RAMAMURTHY
5)	_____ (DATE)	_____
		RAMAN ACHUTHARAMAN
6)	<u>8/16/01</u> (DATE)	 BRIAN HAAS

2 of 3

7) _____ (DATE)

AARON HUNTER