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PKT. NO. AMAT/8341?USA/CPS/IBSS/LAP

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

25.04

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Commissioner of Patents and T

102671849

...ent or copy thereof.

## 1. Name of conveying party(ies):

Date

Joseph M. Ranish 01/21/04  
Aaron Muir Hunter 01/21/04  
Balasubramanian Ramachandran 01/23/04  
Jallepally Ravi 01/21/04  
Sundar Ramamurthy 01/21/04  
Vedapuram S. Achutharaman 01/21/04  
Khurshed Sorabji 01/21/04

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

## 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: 95052

Additional name(s) & address(es) attached? \_\_ Yes ☒ No

## 4. Application number(s) or patent number(s):

10773650

If this document is being filed together with a new application, the execution date of the application is: February 5, 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 Counsel

Internal Address: APPLIED MATERIALS, INC.

Street Address: P.O. Box 450-A

City: Santa Clara State: CA Zip: 95052

## 6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00

\_\_ Enclosed

☒ Authorized to be charged to deposit account

50-1074/7624/CMP/ECP/RKK

## 8. Deposit account number:

50-1074/7624/CMP/ECP/RKK

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## 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

February 5, 2004

Date

Total number of pages including cover sheet, attachments and document: 3

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

Commissioner of Patents, Mail Stop

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40.00 BA

PATENT  
REEL: 014977 FRAME: 0693

## ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- |                                                                                         |                                                                                      |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1) Joseph M. Ranish<br>3751 Woodleaf Court<br>San Jose, CA 95117<br>U.S.A.              | 2) Aaron Muir Hunter<br>430 Emeline Ave.<br>Santa Cruz, CA 95060<br>U.S.A.           |
| 3) Balasubramanian Ramachandran<br>3166 Dallas Court<br>Santa Clara, CA 95051<br>U.S.A. | 4) Jallepally Ravi<br>1655 Betty Court<br>Santa Clara, CA 95051<br>U.S.A.            |
| 5) Sundar Ramamurthy<br>5606 Snowflake Common<br>Fremont, CA 94538<br>U.S.A.            | 6) Vedapuram S. Achutharaman<br>4015 Ashbrook Circle<br>San Jose, CA 95124<br>U.S.A. |
| 7) Khurshed Sorabji<br>6372 Almaden Rd.<br>San Jose, CA 95120<br>U.S.A.                 |                                                                                      |

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

*"THERMALLY MATCHED SUPPORT RING FOR SUBSTRATE PROCESSING CHAMBER"*

☒ which is attached hereto

☐ 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 PO Box 450A, Santa Clara, CA 95052 (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) Jan 21, 2004  
Date

Joseph M. Ranish  
Joseph M. Ranish

2) 01/21/2004  
Date

Aaron Muir Hunter  
Aaron Muir Hunter

3) 01/23/2004  
Date

Balasubramanian Ramachandran  
Balasubramanian Ramachandran

4) Jan 21, 2004  
Date

J. Ravi  
Jallepally Ravi

5) Jan 21, 2004  
Date

Sundar Ramamurthy  
Sundar Ramamurthy

6) Jan 21, 2004  
Date

Vedapuram S. Achutharaman  
Vedapuram S. Achutharaman

7) Jan. 21, 2004  
Date

Khurshed Sorabji  
Khurshed Sorabji