

Form PTO-1595

(Rev. 6-93)

Modified

Docket No.: 009091 USA/AGS/IBSS/LAP

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

1. Name of conveying party(ies):

Trung T. Doan  
Venkata Balagani  
Kenny King-Tai Ngan

## EXECUTION DATE:

September 27, 2004

September 20, 2004

September 24, 2004

2. Name and address of receiving party(ies)

Name: Applied Materials, Inc.Internal Address: Patent DepartmentMail Stop 2061Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other \_\_\_\_\_Street Address: P.O. Box 450ACity: Santa Clara State: CA ZIP: 95052Execution Date: SEE ABOVEAdditional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s): 10/888,941

B. Patent No.(s)

Filed: July 8, 2004

Additional numbers attached? ☐ Yes ☒ No

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

Name: Applied Materials, Inc.  
Patent Department, M/S 2061  
Address: P.O. Box 450A  
Santa Clara, California 950526. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) ..... \$ 40.00Please charge deposit account no. 50-1074 in the sum of  
\$40.00.

8. Please charge any additional fees or credit any

(Attach duplicate copy of this page if paying by deposit account)

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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

Date

10/7/04

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

OMB No. 0651-0011 (exp 4/94)

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PATENT  
REEL: 015234 FRAME: 0178

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009091 USA/AGS/IBSS/LAP  
Page 1 of 2**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

- |    |   |    |  |
|----|---|----|--|
| 1) | Trung Doan<br>101 Lasuen Court<br>Los Gatos, CA 95032<br>U.S.A.                 | 2) | Venkata R. Balagani<br>1340 Longmeadow Drive<br>Gilroy, CA 95020<br>U.S.A. |
| 3) | Kenny King-Tai Ngan<br>43793 Cameron Hills Drive<br>Fremont, CA 94539<br>U.S.A. |    |  |

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

*"POLISHING PAD CONDITIONER AND METHODS OF MANUFACTURE AND RECYCLING"*☐ which is attached hereto☒ for which application for Letters Patent in the United States was filed on  
07/08/2004, under Serial No. 10/888,941, 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

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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.

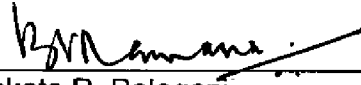
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

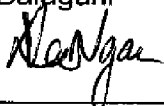
1) 27/9/04  
Date

  
Trung Doan

2) 20<sup>th</sup> Sep. '04  
Date

  
Venkata R. Balagani

3) 9/24/04  
Date

  
Kenny King-Tai Ngan