

Attorney Docket No. 7443/P2

Form PTO-1595

(Rev. 10-02)

OMB No. 0651-0027 (exp. 5/31/2002)

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1. Name of conveying party(ies): Zheng Yuan Reza Arghavani Shankar Venkataraman Execution Date March 1, 2004 February 24, 2004 February 25, 2004 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.	2. Name and address of receiving party(ies) Name: <u>APPLIED MATERIALS, INC.</u> Street Address: <u>3050 Bowers Avenue</u> City: <u>Santa Clara/</u> State: <u>CA</u> ZIP: <u>95054</u> Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date:	

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): 10/757,771 Filed 1/14/2004

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert W. Mulcahy
APPLIED MATERIALS, INC.
P.O. Box 1450
Santa Clara, CA 95052
(650) 326-2400

6. Total number of applications and patents involved 1
7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

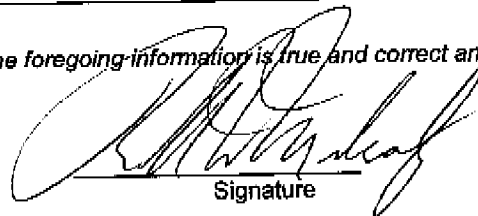
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert W. Mulcahy
Name of Person Signing
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Signature

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CH \$40.00 601074 10767771

Attorney Docket No.: A8443/T52300
AMAT No.: 7443/P2/T52300
TTC No.: 016301-052300US

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Zheng Yuan 42024 Benbow Drive Fremont, CA 94539 United States	2)	Reza Arghavani 192 Twin Pines Drive Scotts Valley, CA 95066 United States
3)	Shankar Venkataraman 2444 Notre Dame Drive Santa Clara, CA 95051 United States		

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

NITROUS OXIDE ANNEAL OF TEOS/OZONE CVD FOR IMPROVED GAPFILL

for which application for Letters Patent in the United States was filed on January 14, 2004, under Application No. 10/757,771, 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.

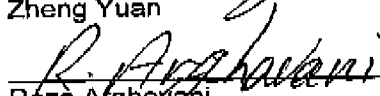
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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

1) 3/1/04, 2004


Zheng Yuan

2) 2/24/04, 2004


Reza Arghavani

3) 2/25/04, 2004


Shankar Venkataraman

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