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Form PT
MED 11.4.99
 To the Honorable Comm **101241789**
 U.S. DEPARTMENT OF COMMERCE
 Trademark Office

record the attached original documents or copy thereof

1. Name of conveying party(ies):
 Tony Chiang
 Peijun Ding
 Barry L. Chin
 Bingxi Sun

2. Name and address of receiving party(ies):
 Name: Applied Materials, Inc.
 Internal Address: Legal Affairs Department - M/S 2061
 Street Address: P. O. Box 450A
 City: Santa Clara State: CA Zip: 95052

Additional name(s) of conveying Part(ies) attached? [] Yes [X] No
 Additional Name(s) & Address(es) attached? [] Yes [X] No

3. Nature of conveyance;
 Assignment [] Merger
 Security Agreement [] Change of Name
 Other _____

Execution Date: _____

09/423470

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

This document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) B. Patent No.(s)

Additional Numbers attached?: [] Yes [X] No

5. Name and address of party to whom correspondence concerning this document should be mailed:
 Name: PATENT COUNSEL
 Internal Address: Applied Materials, Inc.
Legal Affairs Department - M/S 2061
 Street Address: P. O. Box 450A
 City: Santa Clara State: CA Zip: 95052

6. Total number of applications and patent involved: 1

7. Total Fee (37 CFR 3.41) \$40.00
 Enclosed See Application Transmittal Letter
 Authorized to be charged to deposit account

8. Deposit Account Number: See Application Transmittal Letter.
 (Attach duplicate copy of this page if paying by deposit account)

Do Not Use This Space

9. Statement and signature.

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

Shirley Church, Esq., Reg. No. 31,858 Shirley L. Church 11/4/99
 Name of Person Signing Signature Date

10. Total number of pages comprising cover sheet, attachments, and document: 3

Mail documents to be recorded with the required cover sheet information to:
 Commissioner of Patents and Trademarks, Box Assignment
 Washington, D.C. 20231

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- 1) Tony Chiang
100 N. Whisman Road, #17
Mountain View, California 94043

and
- 2) Peijun Ding
1020 W. Riverside Way
San Jose, California 95129

and
- 3) Barry L. Chin
13174 Cumberland Drive
Saratoga, California 95070

and
- 4) Bingxi Sun
1271-179 Vicente Drive
Sunnyvale, California 94086

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

"STRESS TUNABLE TANTALUM AND TANTALUM NITRIDE FILMS"

for which an international patent application was filed on May 27, 1998, and assigned Serial No.

PCT/US98/10789; 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.

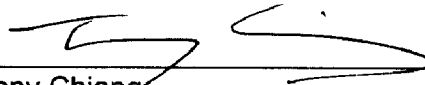
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt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

1) May 27, 1998



Tony Chiang

2) May 27, 1998




Peijun Ding

3) May 27, 1998



Barry L. Chin

4) May 27, 1998



Bingxi Sun