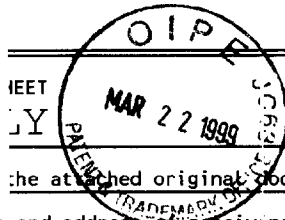


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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

FORM PTO-1595

(Modified)

To the Honorable Commissioner

the attached original documents or copy thereof

1. Name of conveying party(ies):

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

	EXECUTION DATE
Bruce Lu	March 8, 1999
Rex Lu	March 8, 1999
K. Y. Wang	March 8, 1999
Roland Shu	March 8, 1999

Name: Applied Materials, Inc.

Internal Address: Legal Affairs Department

Additional name(s) of conveying part(ies) attached? Yes No

Street Address: P. O. Box 450A

M/S #2061

City: Santa Clara State CA Zip 95054

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name

Other _____

Additional Name(s) & address(es) attached? Yes No

Execution Date: SEE ABOVE

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)

B. Patent No.(s)

(Serial No.: 09/222,180 Filing Date: December 29, 1998)

(09/222,180 PATENT NO. 011651 05220160
P. O. Box 450A OR)

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.

Legal Affairs Dept.

Street Address: P. O. Box 450A

M/S 2061

City: Santa Clara State: CA ZIP: 95052

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

8. Deposit account number: 01-1651

(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.

Robert W. Mulcahy, Reg. No. 25,436
Name of Person Signing

Signature

Date

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

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

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

PATENT
REEL: 9852 FRAME: 0041

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	RAIJIRO KOGA Sakuragaoka 38-15 Tsuchiura City, Ibaragi Prefecture 300-0832 Japan	2)	HIROMI TSURUTA Kamiishizu 1718-1 Sakura City, Chiba Prefecture 286-8516 Japan
3)	TAKASHI KUMAGAI 1396-53 Mitsuura-cho, Kanazawa-ku Yokohama 236-0032 Japan	4)	GEE HOEY 1809 Sonnet Court San Jose, California 95131
5)	BRIAN J. BROWN 211 Colorado Avenue Palo Alto, California 94301	6)	BORIS FISHKIN 155 Exeter Avenue San Carlos, California 94070
7)	FRED C. REDEKER 1801 Sioux Drive Fremont, California 94539	8)	BRUCE LU No. 82.3, Tung-An St Taipei, Taiwan
9)	REX LU F5, No. 8, Fuyuan St. HsinTien, Taipei, Taiwan	10)	K. Y. WANG 18F-3, No.68, University Rd. Hsin-Chu, Taiwan
11)	ROLAND SHU No.27, 1 Alley, 325 lane, section 1 , chuan- yuan Rd, Tao-Yuan county, Taiwan.		

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

"PAD CONDITIONER CLEANING APPARATUS"for which application for Letters Patent in the United States was filed on December 29, 1998,
under Serial No. 09/222,180, 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) _____ RAIJIRO KOGA

2) _____ HIROMI TSURUTA

3) _____ TAKASHI KUMAGAI

4) _____ GEE HOEY

5) _____

BRIAN J. BROWN

6) _____

BORIS FISHKIN

7) _____

FRED C. REDEKER

8) 3/8/99

Bruce Lu

BRUCE LU

9) 3/8/99

Rex Lu

REX LU

10) 3/8/99

David Wang

K.Y. WANG

11) 3/8/99

Roland Shu

ROLAND SHU