MRO 12.21.98 01-06-1999	HEET DUR. DEPARTMENT OF COMMERCE
(Mod) fieli	Patent and Trademork of the
To the Honorable Commissioner 100935652	the attached original documents or copy thereof
1. Name of conveying party(ies):	e and address of receiving party(ies):
EXECUTION DATE Raijiro Koga December 9, 1998 Hiromi Tsuruta December 9, 1998 Takashi Kumagi December 9, 1998	Name: <u>Applied Materials, Inc.</u> Internal Address: <u>Legal Affairs Department</u>
Additional name(s) of conveying part(ies) attached? No	
3. Nature of conveyance:  □ Assignment □ Merger □ Change of Name	Street Address: P. O. Box 450A M/\$ #2061  City: Santa Clara State CA Zip 95054
Other	Additional Name(s) & address(es) attached?   Yes   No
Execution Date: SEE ABOVE	Noticional value(s) & availess(es) accadined: Eli les al No
4. Application number(s) or patent Number(s):	
I+ this document is being filed together with a new applicati	on, the execution date of the application is: Attached
A. Patent Application No.(s)	B. Patent No.(s)
Serial No.: 09/184,786 Filing Date: November 2, 1998	
Additional Numbers at	tached? □ Yes ☑ No
5. Name and address of party to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents involved:1
· · · · · · · · · · · · · · · · · · ·	6. Total number of applications and patents involved:
concerning document should be mailed: Name: PATENT COUNSEL	
concerning document should be mailed:  Name: PATENT COUNSEL  Internal Address: Applied Materials, Inc.	7. Total fee (37 CFR 3.41)\$40.00 <b>E</b>
concerning document should be mailed:  Name: PATENT COUNSEL  Internal Address: Applied Materials, Inc.  Legal Affairs Dept.	7. Total fee (37 CFR 3.41)\$40.00 <b>E</b>
Concerning document should be mailed:  Name: PATENT COUNSEL Internal Address: Applied Materials, Inc.  Legal Affairs Dept.  Street Address: P. Q. Box 450A  M/S 2061  City: Santa Clara State: CA ZIP: 95052	7. Total fee (37 CFR 3.41)\$40.00 €  ☐ Enclosed  ☑ Authorized to be charged to deposit account  8. Deposit account number: 01-1651  [Attach disslicate copy of this page if paying by deposit account
Name: PATENT COUNSEL Internal Address: Applied Materials, Inc.  Legal Affairs Dept.  Street Address: P. O. Box 450A  M/S 2061	7. Total fee (37 CFR 3.41)\$40.00 €  ☐ Enclosed  ☑ Authorized to be charged to deposit account  8. Deposit account number: 01-1651  [Attach disslicate copy of this page if paying by deposit account
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Name: PATENT COUNSEL Internal Address: Applied Materials, Inc.  Legal Affairs Dept.  Street Address: P. Q. Box 450A  M/S 2061  City: Santa Clara State: CA ZIP: 95052  PO NOT USE T  9. Statement and signature.  To the best of my knowledge and belief, the foregoing informa original document.  Robert W. Mulcahy, Reg. No. 25,436 Name of Person Signing Signature	7. Total fee (37 CFR 3.41)\$40.00 E    Inclosed   Authorized to be charged to deposit account  8. Deposit account number: 01-1651   Attach districts copy of this page if paying by deposit account  HIS SPACE

Mail documents to be recorded with the required cov-sheet information to: Commissioner of Fatents - Trademarks , Bo. Assignments Washington, D. T. 20231

## 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 Kamishizu 1718-1, Sakura City, Chiba Prefecture 286-8516 Japan
3)	TAKASHI KUMAGAI 1396-53 Mutssuura-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		

(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 onNovember 2, 1998, under Serial No.09/184,786, 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:

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.

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PATENT REEL: 9672 FRAME: 0879

- 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 filling and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filling 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)	DFC.9	1998	Rajjina Koga Rajjina Koga
2)	DEC 9	1998	HIROMI TSURUTA
3)	DEC. 9	1998	TKUMEJ- TAKASHI KUMAGAI
4)	,	1998	GEE HOEY
5)		1998	BRIAN J. BROWN
6)		1998	BORIS FISHKIN
7)	,	1998	FRED C. REDEKER

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