FORM PTO-1595 RECORDA	ATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE		
(Modified) PA	TENTS ONLY Patent and Trademark Office		
To the Honorable Commissioner of Patents and Trademar	ks: Please record the attached original documents or copy thereof		
1. Name of conveying party(ies):    EXECUT	2. Name and address of receiving party(ies):    ION DATE		
Execution Date: SEE ABOVE			
If this document is being filed together with a new appl  A. Patent Application No.(s)  Serial No.10/150,458, Filing Date: May 17, 2002  Additional N	ication, the execution date of the application is: _  B. Patent No.(s)  umbers attached? □ Yes ☑ No		
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:1		
Name: PATENT COUNSEL Internal Address: Applied Materials, Inc.  Patent Dept.  Street Address: P. O. 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: 50-1074  (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.  James C. Wilson. Reg. No. 35.412  Name of Person Signing  Signature  Date  OMB No. 0651-0011 (exp. 4/94)			

AMAT No.: A5757

TTC No.: 016301-043600US

## ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Sudhir Gondhalekar 34313 France Way Fremont, CA 94555 United States	2)	Tom K. Cho 723 Kendali Avenue Palo Alto, CA 94306 United States
3)	Rolf Guenther 17801 Vineland Avenue Monte Sereno, CA 95030 United States	4)	Steve H. Kim 4853 Mendota St. Union City, CA 94587 United States
5)	Mehrdad Moshfegh 3662 Thousand Oaks Dr. San Jose, CA United States	6)	Shigeru Takehiro Esteplaza 104 Kabanagi 981-1 Sukura Chiba Japan
7)	Thomas Kring 370 Victory Ave. Sunnyvale, CA 94087 United States	8)	Tetsuya Ishikawa 873 Blossom Drive Santa Clara, CA 95050 United States

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

## UPPER CHAMBER FOR HIGH DENSITY PLASMA CVD

for which application for Letters Patent in the United States was filed May 17, 2002 under Serial No. 10/150,458, and 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

 $\rightarrow \rightarrow \rightarrow$  ASSIGNMENT

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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1)	July 15,	_, 2002	Sudhir Gondhalekar
2)	<u> </u>	_, 2002	Tom K. Cho
3)		_, 2002	Rolf Guenther
4)	•	_, 2002	Steve H. Kim
5)		_, 2002	Mehrdad Moshfegh
6)		_, 2002	Shigeru Takehiro
7)		_, 2002	Thomas Kring

**②** 005

8)	, 2002		
, _		Tetsuya Ishikawa	
PA 3220160 v1			

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Attorney Docket No.: A5757/T43600 AMAT No.: A5757

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1)	, 200	2 Sudhir Gondhalekar
2)	, 200	Z Tom KQho
3)	July 18 , 200	
4)	, 200:	V
5)	, 200	2 Mehrdad Moshfegh
6)	, 200	
7)	, 200:	-

8)	, 2002
	Tetsuya Ishikawa
PA 3220160 v1	

Attorney Docket No.: A5757/T43600 AMAT No.: A5757

TTC No.: 016301-043600US

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1)	, 2002	Sudhir Gondhalekar
2)	, 2002	Tom K. Cho
3)	, 2002	Rolf Guenther ^
4)	7/12 ,2002	Steve H. Kim
5)	, 2002	Mehrdad Moshfegh
6)	, 2002	Shigeru Takehiro
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·		Tetsuya Ishikawa
PA 3220160 v1		

AMAT No.: A5757 TTC No.: 016301-043600US

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1)	, 2002	Sudhir Gondhalekar
2)	, 2002	Tom K. Cho
3)	, 2002	Rolf Guenther
4)	, 2002	Steve H. Kim
5)	<u>9/18/</u> , 2002	Mehrdad Moshfegh
6)	, 2002	Shigeru Takehiro
7)	, 2002	Thomas Kring

8)	, 2002	)2	
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PA 3220160 v1			

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6)	July . 24 . 2002 , 2002	Shigery Takehwo Shigery Takehiro
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- 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)	, 200	2 Sudhir Gondhalekar
2)	, 200	2 Tom K. Cho
3)	, 200	2 Rolf Guenther
4)	· , 200	2 Steve H. Kim
5)	, 200	2 Mehrdad Moshfegh
6)	, 200	2 Shigeru Takehiro
7)	7-12,200	11 11.

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8) July 12th 2002 Tetern Bloch Tetsuya Ishikawa

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