

Attorney Docket No.: A5757/T43600

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 Kendall 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

Assignors to have been received in full from said Assignee:

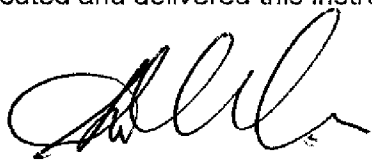
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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) <u>July 15,</u>	_____	2002		_____	Sudhir Gondhalekar
2) _____	_____	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

8) _____, 2002

Tetsuya Ishikawa

PA 3220160 v1

Attorney Docket No.: A5757/T43600

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TTC No.: 016301-043600US

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5)	Mehrdad Moshfegh 3662 Thousand Oaks Dr. San Jose, CA United States	6)	Shigeru Takehiro Estepaza 104 Kabanagi 981-1 Sukura Chiba Japan
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- 1) _____, 2002 _____
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- 2) 7/19 _____, 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

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- 2) _____, 2002 _____
Tom K. Cho
- 3) *July 18* _____, 2002 _____
Rolf Guenther
- 4) _____, 2002 _____
Steve H. Kim
- 5) _____, 2002 _____
Mehrdad Moshfegh
- 6) _____, 2002 _____
Shigeru Takehiro
- 7) _____, 2002 _____
Thomas Kring

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- 3) _____, 2002 Rolf Guenther
- 4) 7/12, 2002 Steve H. Kim
- 5) _____, 2002 Mehrdad Moshfegh
- 6) _____, 2002 Shigeru Takehiro
- 7) _____, 2002 Thomas Kring

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- 3) _____, 2002 _____
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- 4) _____, 2002 _____
Steve H. Kim
- 5) 9/18/ _____, 2002 _____
Mehrdad Moshfegh
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- 6) _____, 2002 _____
Shigeru Takehiro
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- 3) _____, 2002 Rolf Guenther
- 4) _____, 2002 Steve H. Kim
- 5) _____, 2002 Mehrdad Moshfegh
- 6) July 24, 2002, 2002 Shigeru Takehiro
- 7) _____, 2002 Thomas Kring

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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) _____, 2002 Sudhir Gondhalekar
- 2) _____, 2002 Tom K. Cho
- 3) _____, 2002 Rolf Guenther
- 4) _____, 2002 Steve H. Kim
- 5) _____, 2002 Mehrdad Moshfegh
- 6) _____, 2002 Shigeru Takehiro
- 7) 7-12, 2002 Thomas Kring

8) July 12th, 2002

Tetsuya Ishikawa
Tetsuya Ishikawa

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