

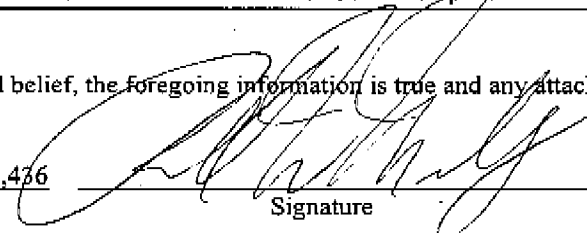
Form PTO 1595

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies): Sergey Babin <u>EXECUTION DATE</u> May 22, 2002 Additional name(s) of conveying Part(ies) attached? No	2. Name and address of receiving party(ies): Name: <u>Applied Materials, Inc.</u> Internal Address: <u>Legal Affairs Department - M/S 2061</u> Street Address: <u>3050 Bowers Ave.</u> City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95054</u> Additional Name(s) & Address(es) attached? No
3. Nature of conveyance; <input checked="" type="checkbox"/> Assignment Merger Security Agreement Change of Name Other _____ Execution Date: <u>See Above</u>	
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) 10/057,324 Filed: October 26, 2001 Additional Numbers attached? No	
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: <u>PATENT COUNSEL</u> Internal Address: <u>Applied Materials, Inc.</u> <u>Legal Affairs Department - M/S 2061</u> Street Address: <u>P. O. Box 450A</u> City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95052</u>	6. Total number of applications and patent involved: <u>1</u> <hr/> 7. Total Fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <hr/> 8. Deposit Account Number: <u>50-1074</u> <hr/> (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. <div style="display: flex; justify-content: space-between;"> <div> <u>Robert W. Mulcahy, Reg. No. 25,436</u> Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> <u>6/25/02</u> Date </div> </div>	
10. Total number of pages comprising cover sheet, attachments, and document: <u>3</u>	

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

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PATENT
REEL: 012828 FRAME: 0995

Case # 004870 USA P01/ETEC/MBE

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Robert INNES 35457 Timber Ridge Road The Sea Ranch, CA 95497	2)	Sergey BABIN 5286 Dunnigan Ct. Castro Valley, CA 94546
3)	Robin TEITZEL 9385 NW Murlea Lane Portland OR 97229	4)	Lee VENEKLASEN, deceased 3445 Badding Road Castro Valley, CA 94546

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

REAL-TIME PREDICTION OF AND CORRECTION OF PROXIMITY RESIST HEATING IN
RASTER SCAN PARTICLE BEAM LITHOGRAPHY

for which application for Letters Patent in the United States was filed on October 26, 2001, under
Serial No. 10/057,324 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
the Application), and the invention disclosed therein (hereinafter referred to as the 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
the 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) _____, 2001 _____
Robert Innes
- 2) 5/22/02, 2002 *Sabin* _____
Sergey Babin
- 3) _____, 2001 _____
Robin Teitzel
- 4) _____, 2001 _____
Lee Veneklasen