

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Eric Perozziello</td><td>07/23/2007</td></tr><tr><td>Thomas Joseph Kropewnicki</td><td>08/03/2007</td></tr><tr><td>Gregory L. Wojcik</td><td>07/20/2007</td></tr><tr><td>Andreas Goebel</td><td>07/20/2007</td></tr><tr><td>Claes Bjorkman</td><td>07/18/2007</td></tr></tbody></table>	Name	Execution Date	Eric Perozziello	07/23/2007	Thomas Joseph Kropewnicki	08/03/2007	Gregory L. Wojcik	07/20/2007	Andreas Goebel	07/20/2007	Claes Bjorkman	07/18/2007	
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RECEIVING PARTY DATA													
Name:	Applied Materials, Inc.												
Street Address:	3050 Bowers Avenue												
City:	Santa Clara												
State/Country:	CALIFORNIA												
Postal Code:	95054												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11763199</td></tr></tbody></table>	Property Type	Number	Application Number:	11763199									
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CORRESPONDENCE DATA													
Fax Number:	(408)986-3090												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	408-563-2726												
Email:	Sheri_Robinson@amat.com												
Correspondent Name:	Applied Materials, Inc.												
Address Line 1:	Legal Affairs Dept												
Address Line 2:	P.O. Box 450-A												
Address Line 4:	Santa Clara, CALIFORNIA 95052												
ATTORNEY DOCKET NUMBER:	10574 USA												
NAME OF SUBMITTER:	Sheri Griffin												

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PATENT
REEL: 019713 FRAME: 0347

Total Attachments: 8

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PATENT

REEL: 019713 FRAME: 0348

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Eric Perozziello 429 Magnolia Street Half Moon Bay, CA 94019 United States	2)	Thomas Joseph Kropewnicki 244 Woodbridge Circle San Mateo, CA 94403 United States
3)	Gregory L. Wojcik 7145 Hihn Road Ben Lomond, CA 95005 United States	4)	Andreas Goebel 302 Loreto Street Mountain View, CA 94041 United States
5)	Claes Bjorkman 14 Los Altos Square Los Altos, CA 94022 United States		

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

PATTERNING 3D FEATURES IN A SUBSTRATE

for which application for Letters Patent in the United States was filed on June 14, 2007, under Application No. 11/763,199, 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>23-JUL-2007</u> , 2007	<u>EA Perozziello</u> Eric Perozziello
2) _____, 2007	_____ Thomas Joseph Kropewnicki
3) _____, 2007	_____ Gregory L. Wojcik
4) _____, 2007	_____ Andreas Goebel
5) _____, 2007	_____ Claes Bjorkman

61099736 v1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Eric Perozziello 429 Magnolia Street Half Moon Bay, CA 94019 United States	2)	Thomas Joseph Kropewnicki 7413 Magenta Lane Austin, TX 78739
3)	Gregory L. Wojcik 7145 Hihn Road Ben Lomond, CA 95005 United States	4)	Andreas Goebel 302 Loreto Street Mountain View, CA 94041 United States
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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 2007

Eric Perozziello

2) August 3, 2007

Thomas Joseph Kropewnicki
Thomas Joseph Kropewnicki

3) _____, 2007

Gregory L. Wojcik

4) _____, 2007

Andreas Goebel

5) _____, 2007

Claes Bjorkman

61099736 v1

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1) _____, 2007

Eric Perozziello

2) _____, 2007

Thomas Joseph Kropewnicki

3) 7/20/07, 2007

Gregory L. Wojcik

4) July, 20th, 2007

Andreas Goebel

5) _____, 2007

Claes Bjorkman

61099736 v1

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1) _____, 2007

Eric Perozziello

2) _____, 2007

Thomas Joseph Kropewnicki

3) _____, 2007

Gregory L. Wojcik

4) _____, 2007

Andreas Goebel

5) July 18, 2007

Claes Bjorkman
Claes Bjorkman

61099736 v1