

PATENT ASSIGNMENT

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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>Sidharth Bhatia</td><td>07/11/2011</td></tr><tr><td>Hiroshi Hamana</td><td>07/11/2011</td></tr><tr><td>Paul Edward Gee</td><td>07/11/2011</td></tr><tr><td>Shankar Venkataraman</td><td>07/12/2011</td></tr></tbody></table>	Name	Execution Date	Sidharth Bhatia	07/11/2011	Hiroshi Hamana	07/11/2011	Paul Edward Gee	07/11/2011	Shankar Venkataraman	07/12/2011	
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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>13182671</td></tr></tbody></table>	Property Type	Number	Application Number:	13182671							
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CORRESPONDENCE DATA											
Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	80042-804322										
NAME OF SUBMITTER:	Eugene J. Bernard										
Total Attachments: 2 source=80042-804322 Assignment#page1.tif source=80042-804322 Assignment#page2.tif											

OP \$40.00 13182671

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PATENT
REEL: 026591 FRAME: 0125

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Sidharth Bhatia 295 Waverley Street Menlo Park, CA 94025 United States	2)	Hiroshi Hamana 3-15-17 Nagesu Nakadori Amagasaki, Hyogo, 660-0802 Japan
3)	Paul Edward Gee 471 Theta Court San Jose, CA 95123 United States	4)	Shankar Venkataraman 5974 Thorntree Drive San Jose, CA 95120 United States

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

TWO SILICON-CONTAINING PRECURSORS FOR GAPFILL ENHANCING DIELECTRIC LINER

for which application for Letters Patent in the United States was filed on , under Application No. ,
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 11</u> , 2011	<u>[Signature]</u> Sidharth Bhalia
2) <u>July 11</u> , 2011	<u>[Signature]</u> Hiroshi Hamana
3) <u>July 11</u> , 2011	<u>[Signature]</u> Paul Edward Gee
4) <u>July 12</u> , 2011	<u>[Signature]</u> Shankar Venkataraman

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