

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>VICTOR L. PUSHPARAJ</td><td>12/15/2010</td></tr> <tr><td>PRAVIN K. NARWANKAR</td><td>12/10/2010</td></tr> <tr><td>DIETER HAAS</td><td>12/14/2010</td></tr> <tr><td>BIPIN THAKUR</td><td>11/15/2010</td></tr> <tr><td>MAHESH ARCOT</td><td>11/11/2010</td></tr> <tr><td>VIKAS GUJAR</td><td>11/11/2010</td></tr> <tr><td>OMKARAM NALAMASU</td><td>12/10/2010</td></tr> </tbody> </table>		Name	Execution Date	VICTOR L. PUSHPARAJ	12/15/2010	PRAVIN K. NARWANKAR	12/10/2010	DIETER HAAS	12/14/2010	BIPIN THAKUR	11/15/2010	MAHESH ARCOT	11/11/2010	VIKAS GUJAR	11/11/2010	OMKARAM NALAMASU	12/10/2010
Name	Execution Date																
VICTOR L. PUSHPARAJ	12/15/2010																
PRAVIN K. NARWANKAR	12/10/2010																
DIETER HAAS	12/14/2010																
BIPIN THAKUR	11/15/2010																
MAHESH ARCOT	11/11/2010																
VIKAS GUJAR	11/11/2010																
OMKARAM NALAMASU	12/10/2010																
<b>RECEIVING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><b>Name:</b></td><td>APPLIED MATERIALS, INC.</td></tr> <tr><td><b>Street Address:</b></td><td>P.O. BOX 450A</td></tr> <tr><td><b>Internal Address:</b></td><td>LEGAL AFFAIRS DEPT.</td></tr> <tr><td><b>City:</b></td><td>SANTA CLARA</td></tr> <tr><td><b>State/Country:</b></td><td>CALIFORNIA</td></tr> <tr><td><b>Postal Code:</b></td><td>95052</td></tr> </table>		<b>Name:</b>	APPLIED MATERIALS, INC.	<b>Street Address:</b>	P.O. BOX 450A	<b>Internal Address:</b>	LEGAL AFFAIRS DEPT.	<b>City:</b>	SANTA CLARA	<b>State/Country:</b>	CALIFORNIA	<b>Postal Code:</b>	95052				
<b>Name:</b>	APPLIED MATERIALS, INC.																
<b>Street Address:</b>	P.O. BOX 450A																
<b>Internal Address:</b>	LEGAL AFFAIRS DEPT.																
<b>City:</b>	SANTA CLARA																
<b>State/Country:</b>	CALIFORNIA																
<b>Postal Code:</b>	95052																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12885139</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12885139												
Property Type	Number																
Application Number:	12885139																
<b>CORRESPONDENCE DATA</b>																	
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: robert_mulcahy@contractor.amat.com Correspondent Name: Robert W. Mulcahy Address Line 1: P.O. BOX 450A Address Line 2: LEGAL AFFAIRS DEPT. Address Line 4: SANTA CLARA, CALIFORNIA 95052																	

CH \$40.00 12885139

501410260

**PATENT**  
**REEL: 025660 FRAME: 0714**

ATTORNEY DOCKET NUMBER:	AM14044/ATG/ESONG
NAME OF SUBMITTER:	ROBERT W MULCAHY
Total Attachments: 2 source=14044 US ASG 2011-01-18#page1.tif source=14044 US ASG 2011-01-18#page2.tif	

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

1)	Victor L. PUSHPARAJ 1231 Vicente Drive, Apt. 46 Sunnyvale, California 94086	2)	Pravin K. NARWANKAR 392 Waverly Street Sunnyvale, California 94086
3)	Dieter HAAS 3309 Patina Court San Jose, California 95135	4)	Bipin THAKUR Yajurved Building II 2nd Floor Dr. Bhayandarkar Lane, Bole Road Dadar, Mumbai-400028; INDIA
5)	Mahesh ARCOT X-0001, Lodha Regency Sandap Village Dombivli East Thane-421201 Maharashtra, INDIA	6)	Vikas GUJAR Shree Ganaraj CHS Flat no 11, 2 <sup>nd</sup> floor, Plot no RH 75, Near Model College Dombivli East; Thane-421201; INDIA
7)	Omkaram NALAMASU 2339 Beutley Ridge Drive San Jose, California 95138		

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

**APPARATUS AND METHODS FOR FORMING ENERGY STORAGE AND PHOTOVOLATIC DEVICES IN A LINEAR SYSTEM**

for which application for Letters Patent in the United States was filed on September 17, 2010, under Serial No. 12/885,139, executed on even date herewith; and

WHEREAS, APPLIED MATERIALS, INC., a corporation of the State of Delaware, having a place of business at Applied Materials GmbH, Siemensstr. 100, 63755 Alzenau, GERMANY (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

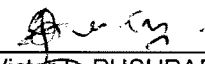
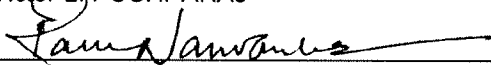
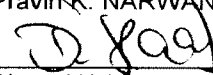
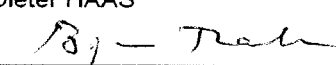

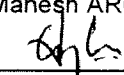
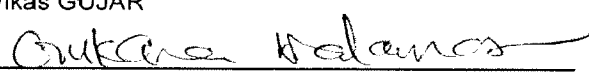
countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

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, conventional, 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 therefore 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>15 Dec '10</u> (DATE)	<u></u> Victor L. PUSHPARAJ
2)	<u>10 Dec '10</u> (DATE)	<u></u> Pravin K. NARWANKAR
3)	<u>14 Dec '10</u> (DATE)	<u></u> Dieter HAAS
4)	<u>15 Nov '10</u> (DATE)	<u></u> Bipin THAKUR
5)	<u>11 NOV '10</u> (DATE)	<u></u> Mahesh ARCOT
6)	<u>11 Nov '10</u> (DATE)	<u></u> Vikas GUJAR
7)	<u>10 Dec. 2010</u> (DATE)	<u></u> Omkaram NALAMASU