

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2576313

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>JOSEPH JOHNSON</td> <td>10/11/2013</td> </tr> <tr> <td>JOSEPH M. RANISH</td> <td>10/09/2013</td> </tr> <tr> <td>JOHN GERLING</td> <td>10/06/2013</td> </tr> <tr> <td>MATHEW ABRAHAM</td> <td>10/07/2013</td> </tr> <tr> <td>AARON MUIR HUNTER</td> <td>10/09/2013</td> </tr> <tr> <td>ANEESH NAINANI</td> <td>10/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	JOSEPH JOHNSON	10/11/2013	JOSEPH M. RANISH	10/09/2013	JOHN GERLING	10/06/2013	MATHEW ABRAHAM	10/07/2013	AARON MUIR HUNTER	10/09/2013	ANEESH NAINANI	10/09/2013
Name	Execution Date														
JOSEPH JOHNSON	10/11/2013														
JOSEPH M. RANISH	10/09/2013														
JOHN GERLING	10/06/2013														
MATHEW ABRAHAM	10/07/2013														
AARON MUIR HUNTER	10/09/2013														
ANEESH NAINANI	10/09/2013														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>APPLIED MATERIALS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>3050 Bowers Avenue</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	APPLIED MATERIALS, INC.	Street Address:	3050 Bowers Avenue	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054				
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>14043091</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14043091										
Property Type	Number														
Application Number:	14043091														
CORRESPONDENCE DATA															
Fax Number:	(732)935-7122														
Phone:	732-935-7100														
Email:	lzaveta@mtiplaw.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	MOSER TABOADA/LEONARD P. LINARDAKIS														
Address Line 1:	1030 BROAD STREET														
Address Line 2:	SUITE 203														
Address Line 4:	SHREWSBURY, NEW JERSEY 07702														
ATTORNEY DOCKET NUMBER:	APPM17282														

NAME OF SUBMITTER:	LEONARD P. LINARDAKIS
Signature:	/Leonard P. Linardakis/
Date:	10/14/2013
Total Attachments: 2 source=APPM17282_Assignment#page1.tif source=APPM17282_Assignment#page2.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | | | |
|---|--|--|--|
| 1) JOSEPH JOHNSON
3790 Park Blvd., Apt. B
Palo Alto, CA 94306 | 943 13 th Ave
Redwood C. ty, CA
94063 | 4) MATHEW ABRAHAM
1380 W. Dana St.
Mountain View, CA 94041 | 1251 LINCOLN AVE.
SAN DIEGO, CA 92103 |
| 2) JOSEPH M. RANISH
3751 Woodleaf Ct.
San Jose, CA 95117 | | 5) AARON MUIR HUNTER
430 Emeline Ave.
Santa Cruz, CA 95060 | 609 National St.
A # |
| 3) JOHN GERLING
3203 Ortega Ave.
Lafayette, CA 94549 | 655 Sonoma Ave
Livermore, CA 94550 | 6) ANEESH NAINANI
334 College Ave., Apt. F
Palo Alto, CA 94306 | |
- JPG

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

APPARATUS FOR PROVIDING AND DIRECTING HEAT ENERGY IN A PROCESS CHAMBER

for which we have filed an application for a Patent of the United States on October 1, 2013,
Serial No. 14/043,091; which claims priority to provisional patent application Serial No. 61/714,963, filed
October 17, 2012 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

314924_1

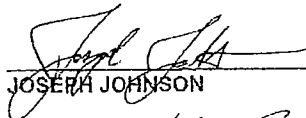
prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said 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.

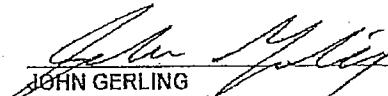
1) 10/11/13 (Date)


JOSEPH JOHNSON


2) 10/9/2013 (Date)


JOSEPH M. RANISH

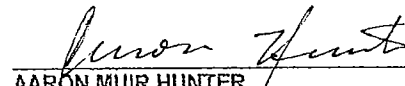
3) 10-6-13 (Date)


JOHN GERLING


4) 10-7-2013 (Date)


MATHEW ABRAHAM

5) 10/9/13 (Date)


AARON MUIR HUNTER

6) 10-9-2013 (Date)


ANEESH NAINANI

314924__