

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Wei Ti Lee</td> <td>11/05/2008</td> </tr> <tr> <td>Mohd Fadzli Anwar Hassan</td> <td>11/05/2008</td> </tr> <tr> <td>Ted Guo</td> <td>11/15/2008</td> </tr> <tr> <td>Sang-Ho Yu</td> <td>11/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Wei Ti Lee	11/05/2008	Mohd Fadzli Anwar Hassan	11/05/2008	Ted Guo	11/15/2008	Sang-Ho Yu	11/04/2008
Name	Execution Date										
Wei Ti Lee	11/05/2008										
Mohd Fadzli Anwar Hassan	11/05/2008										
Ted Guo	11/15/2008										
Sang-Ho Yu	11/04/2008										
RECEIVING PARTY DATA											
Name:	Applied Materials, Inc.										
Street Address:	P.O. Box 450A										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95052										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12240816</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12240816						
Property Type	Number										
Application Number:	12240816										
CORRESPONDENCE DATA											
Fax Number:	(408)986-3090										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	408-748-5524										
Email:	yolande_glass@contractor.amat.com										
Correspondent Name:	Applied Materials										
Address Line 1:	P.O. Box 450A										
Address Line 4:	Santa Clara, CALIFORNIA 95052										
ATTORNEY DOCKET NUMBER:	011818/MDP/ALUMINUM/SCC										
NAME OF SUBMITTER:	Yolande M. Glass										

Total Attachments: 6
 source=011818 Signed Assignment#page1.tif

500708846

**PATENT
 REEL: 021858 FRAME: 0429**

CH \$40.00 12240816

source=011818 Signed Assignment#page2.tif
source=011818 Signed Assignment#page3.tif
source=011818 Signed Assignment#page4.tif
source=011818 Signed Assignment#page5.tif
source=011818 Signed Assignment#page6.tif

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1) WEI T I LEE 2841 Rubino Circle San Jose, CA 95125	2) MOHD FADZLI ANWAR HASSAN 501C Porpoise Bay Terrace Sunnyvale, CA 94089
3) TED GUO 777 San Antonio Rd. #37 Palo Alto, CA 94303	4) SANG-HO YU 11676 Palm Spring Court Cupertino, CA 95014

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

ALUMINUM CONTACT INTEGRATION ON COBALT SILICIDE JUNCTION

for which application for Letters Patent in the United States was filed on September 29, 2008, under Serial No. 12/240,816, 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 conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

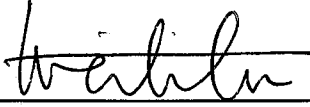
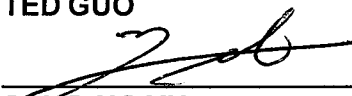
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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 conventional, 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>11/5/08</u> (DATE)	<u></u> WEI TI LEE
2)	_____ (DATE)	_____ MOHD FADZLI ANWAR HASSAN
3)	_____ (DATE)	_____ TED GUO
4)	<u>11/04/08</u> (DATE)	<u></u> SANG-HO YU

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	WEI TI LEE 2841 Rubino Circle San Jose, CA 95125	2)	MOHD FADZLI ANWAR HASSAN 501C Porpoise Bay Terrace Sunnyvale, CA 94089
3)	TED GUO 777 San Antonio Rd. #37 Palo Alto, CA 94303	4)	SANG-HO YU 11676 Palm Spring Court Cupertino, CA 95014

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

ALUMINUM CONTACT INTEGRATION ON COBALT SILICIDE JUNCTION

for which application for Letters Patent in the United States was filed on September 29, 2008, under Serial No. 12/240,816, 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 conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

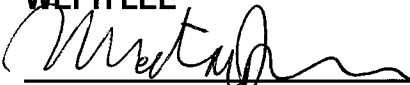
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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 conventional, 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)	_____ (DATE)	_____
		WEI TI LEE
2)	<u>11/5/08</u> (DATE)	
		MOHD FADZLI ANWAR HASSAN
3)	_____ (DATE)	_____
		TED GUO
4)	_____ (DATE)	_____
		SANG-HO YU

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	WEI TI LEE 2841 Rubino Circle San Jose, CA 95125	2)	MOHD FADZLI ANWAR HASSAN 501C Porpoise Bay Terrace Sunnyvale, CA 94089
3)	TED GUO 777 San Antonio Rd. #37 Palo Alto, CA 94303	4)	SANG-HO YU 11676 Palm Spring Court Cupertino, CA 95014

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

ALUMINUM CONTACT INTEGRATION ON COBALT SILICIDE JUNCTION

for which application for Letters Patent in the United States was filed on September 29, 2008, under Serial No. 12/240,816, 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 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 conventional, 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) _____ (DATE) _____
WEI TI LEE
- 2) _____ (DATE) _____
MOHD FADZLI ANWAR HASSAN
- 3) 11-15-08 (DATE) _____
Ted Guo
TED GUO
- 4) _____ (DATE) _____
SANG-HO YU