

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEIHUA SHEN	01/26/2009
NOEL SUN	01/27/2009
NICOLAS GANI	01/26/2009
ERIC PEI	02/04/2009
WEIMIN ZENG	01/27/2009
THORSTEN B. LILL	01/27/2009
UDAY MITRA	01/27/2009
ELLIE Y. YIEH	01/28/2009

RECEIVING PARTY DATA

Name:	APPLIED MATERIALS, INC.
Street Address:	P.O. BOX 450A
Internal Address:	LEGAL AFFAIRS DEPT.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12371085

CORRESPONDENCE DATA

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 Email: robert_mulcahy@contractor.amat.com
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 Address Line 1: P.O. BOX 450A
 Address Line 2: LEGAL AFFAIRS DEPT.

CH \$40.00 12371085

Address Line 4: SANTA CLARA, CALIFORNIA 95052

ATTORNEY DOCKET NUMBER:

AM13883/ETCH/MDD

NAME OF SUBMITTER:

ROBERT W MULCAHY

Total Attachments: 6

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Meihua Shen 694 Perry Common Fremont, CA 94539	2)	Noel Sun 925 S. Wolf Road, Apt. #46 Sunnyvale, CA 94086
3)	Nicolas Gani 1003 Winston Ct. San Jose, CA 95131	4)	Samuel Chen 280 W. California Ave. #201 Sunnyvale, CA 94086
5)	Eric Pei No. 12, Nanke 7th Road, Tainan Tainan Science-Based Industrial Park, Tainan County, 741, Taiwan	6)	Weimin Zeng 367 Auburn Way, Apt. #2 San Jose, CA 95129
7)	Thorsten B. Lill 88 Muir Ave. Santa Clara, CA 95051	8)	Uday Mitra 21031 Hazelbrook Drive Cupertino, CA 95014
9)	Ellie Y. Yieh 5888 Pistoia Way San Jose, CA 95138		

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

**METHOD FOR FABRICATING A SEMICONDUCTOR DEVICE HAVING A LANTHANUM-FAMILY-BASED
OXIDE LAYER**

for which application for Letters Patent in the United States was filed on

under Serial 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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:


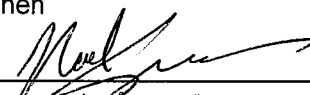

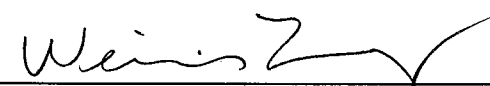
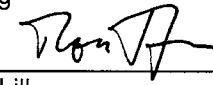
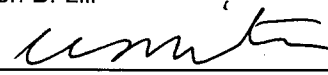
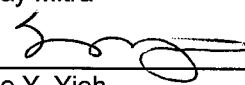
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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>1/26/09</u> Date	<u></u> Meihua Shen
2)	<u>1/27/09</u> Date	<u></u> Noel Sun
3)	<u>1/26/09</u> Date	<u></u> Nicolas Gani
4)	<u> </u> Date	<u> </u> Samuel Chen
5)	<u> </u> Date	<u> </u> Eric Pei
6)	<u>1/27/09</u> Date	<u></u> Weimin Zeng
7)	<u>1/27/09</u> Date	<u></u> Thorsten B. Lill
8)	<u>1/27/09</u> Date	<u></u> Uday Mitra
9)	<u>1/28/09</u> Date	<u></u> Ellie Y. Yieh

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1)	_____	_____
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2)	_____	_____
	Date	Noel Sun
3)	_____	_____
	Date	Nicolas Gani
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	Date	Samuel Chen
5)	<u>2/04/2009</u>	<u>Eric Pei</u>
	Date	Eric Pei
6)	_____	_____
	Date	Weimin Zeng
7)	_____	_____
	Date	Thorsten B. Lill
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	Date	Uday Mitra
9)	_____	_____
	Date	Ellie Y. Yieh