

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3032048

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EDWARD TANGKWAI MA	09/22/2014
SUNG UNG KWAK	09/19/2014
DONALD W. LOOMIS III.	09/22/2014
ROBERT MICHAEL MUCHSEL	09/22/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MAXIM INTEGRATED PRODUCTS, INC.
<b>Street Address:</b>	160 RIO ROBLES DR.
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14492467
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)856-0542
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	650-856-7539
<b>Email:</b>	nmiller@northweber.com
<b>Correspondent Name:</b>	NORTH, WEBER & BAUGH LLP
<b>Address Line 1:</b>	2479 E. BAYSHORE RD., STE. 210
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94303
<b>ATTORNEY DOCKET NUMBER:</b>	20057-1788
<b>NAME OF SUBMITTER:</b>	NITA MILLER
<b>SIGNATURE:</b>	/Nita Miller/
<b>DATE SIGNED:</b>	09/22/2014
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the individual(s) named below (hereinafter "INVENTOR" whether singular or plural) has sold, assigned, transferred, and set over, and hereby sells, assigns, transfers and sets over, to Maxim Integrated Products, a corporation of the State of Delaware, having a place of business at 160 Rio Robles Dr., San Jose, CA 95134 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The full and exclusive worldwide right, title, and interest in and to all inventions and improvements ("SUBJECT MATTER") that are disclosed in the U.S. patent application, entitled "SECURE MEMORIES USING UNIQUE IDENTIFICATION ELEMENTS" ("APPLICATION"),

which is a provisional application

bearing Application No. \_\_\_\_\_, and filed on \_\_\_\_\_;

to be filed herewith; or

which is a non-provisional application

bearing Application No. 14/492,467, and filed on September 22, 2014;

to be filed herewith;

having an oath or declaration executed on the same date as this Assignment;

having an oath or declaration executed on a different date than this Assignment.

2. The entire worldwide right, title, and interest in and to the APPLICATION and all applications claiming priority to the APPLICATION or having related SUBJECT MATTER to the APPLICATION, including all such utility, divisional, continuation, substitute, renewal, reissue, international, or other related applications and all rights of priority in the APPLICATION, together with all rights to recover damages for infringement.

INVENTOR hereby authorizes and requests the Commissioner of the U.S. Patent and Trademark Office, and Patent Office Officials in all foreign countries, to issue to the ASSIGNEE any and all patents which may be granted from the APPLICATION.

Title: SECURE MEMORIES USING UNIQUE IDENTIFICATION ELEMENTS  
Inventor(s): Ma *et al.*  
Appl. No.: 14/492,467  
Filing Date: September 22, 2014  
Docket No.: 20057-1788

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INVENTOR will, without further consideration, communicate to the ASSIGNEE any facts known to the INVENTOR regarding the SUBJECT MATTER, testify in any legal proceeding, sign all lawful papers, execute all oaths, assignments, powers of attorney, applications and any other paper desired by ASSIGNEE to obtain, perfect, or secure to ASSIGNEE any and all of the rights, titles and interests herein conveyed, and to maintain, enforce, and defend these rights, titles and interests in the United States and all foreign countries. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE herein.

INVENTOR represents that the INVENTOR, at the time of the execution of this Assignment, is the sole and lawful owner of the entire rights, titles and interests in and to the SUBJECT MATTER as set forth in the APPLICATION, and that the SUBJECT MATTER is unencumbered, and that the INVENTOR has good and full right and lawful authority to sell and convey the SUBJECT MATTER in the manner herein set forth.

INVENTOR covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR agrees to, and hereby acknowledges, that the ASSIGNEE may apply for and receive patents related to the APPLICATION or SUBJECT MATTER.

INVENTOR grants the attorney of record for the APPLICATION the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

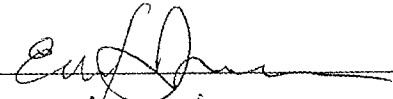
This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment. Inventor/assignor signature blocks are located on the following pages.

Title: SECURE MEMORIES USING UNIQUE IDENTIFICATION ELEMENTS  
Inventor(s): Ma et al.  
Appl. No.: 14/492,467  
Filing Date: September 22, 2014  
Docket No.: 20057-1788

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INVENTOR Name: Edward Tangkwai Ma

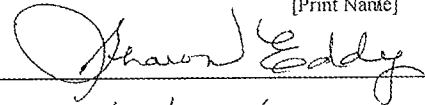
INVENTOR Address: 4512 Copeland Dr.  
Plano, TX 75024

INVENTOR Signature: 

Date of Signature: 9/22/2014

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Witnessed By: SHARON EDDY  
[Print Name]

Witness Signature: 

Date of Signature: 9/23/2014

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State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me \_\_\_\_\_ personally appeared,  
[Date] [Name and Title of Officer]  
\_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the  
[INVENTOR]

person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature \_\_\_\_\_

(Seal)

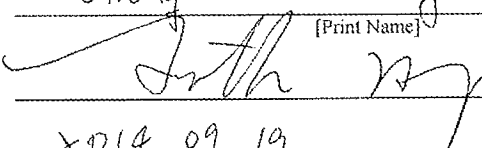
Title: SECURE MEMORIES USING UNIQUE IDENTIFICATION ELEMENTS  
Inventor(s): Ma et al.  
Appl. No.: 14/492,467  
Filing Date: September 22, 2014  
Docket No.: 20057-1788

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INVENTOR Name: Sung Ung Kwak  
INVENTOR Address: 3494 Waycross Ln.  
Frisco, TX 75033

INVENTOR Signature   
Date of Signature: 9/19/2014

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Witnessed By: Cheng-Hsien Hung  
[Print Name]  
Witness Signature:   
Date of Signature: 2014.09.19

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State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me \_\_\_\_\_ personally appeared,  
[Date] [Name and Title of Officer]  
\_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the  
[INVENTOR]

person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.


I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

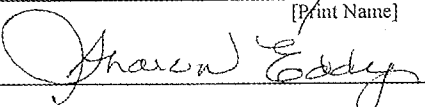
Signature \_\_\_\_\_ (Seal)

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Inventor(s): Ma et al.  
Appl. No.: 14/492,467  
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Docket No.: 20057-1788

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INVENTOR Name: Donald W. Loomis, III.  
INVENTOR Address: 632 Canemount Ln  
Coppell, TX 75019  
INVENTOR Signature:   
Date of Signature: 9/22/14

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Witnessed By: SHARON EDDY  
[Print Name]  
Witness Signature:   
Date of Signature: 9/22/2014

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State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me \_\_\_\_\_ personally appeared,  
[Date] [Name and Title of Officer]  
\_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the  
[INVENTOR]  
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WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Title: SECURE MEMORIES USING UNIQUE IDENTIFICATION ELEMENTS  
Inventor(s): Ma et al.  
Appl. No.: 14/492,467  
Filing Date: September 22, 2014  
Docket No.: 20057-1788

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INVENTOR Name: Robert Michael Muchsel  
INVENTOR Address: 5010 Parkview  
Addison, TX 75001

INVENTOR Signature: [Handwritten Signature]  
Date of Signature: 9/22/2014

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Witnessed By: SHARON EDDY  
[Print Name]  
Witness Signature: [Handwritten Signature]  
Date of Signature: 9/22/2014

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State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me \_\_\_\_\_ personally appeared,  
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WITNESS my hand and official seal.

Signature \_\_\_\_\_

(Seal)