504005705 09/14/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name		Execution Date	
SUNG UNG KWAK				09/14/2016	
RECEIVING PARTY D	ΑΤΑ				
Name:	MAXIM	MAXIM INTEGRATED PRODUCTS, INC.			
Street Address:	160 RIC	OROBLES DR.			
City:	SAN JC	SE			
State/Country:	CALIFC	RNIA			
Postal Code:	95134				
PROPERTY NUMBER	S Total: 1				
Property Type		Number			
Application Number:		15264872			
CORRESPONDENCE Fax Number:		(650)856-0542			
		the e-mail address first; if	that is unsucces	sful, it will be sent	
using a fax number, i					
•	-	· · · ·	will be selle via U	S Mall.	
		650-856-7539	will be selft via U	S Mall.	
Phone: Email:		550-856-7539 nmiller@northweber.com		S Mall.	
Email: Correspondent Name	:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH	LLP	S Mall.	
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Email: Correspondent Name	•=	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH	LLP TE. 210	S Mall.	
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Email: Correspondent Name Address Line 1: Address Line 4:	: NUMBER:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S	LLP TE. 210	S Man.	
Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER	: NUMBER:	250-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S 20057-1981	LLP TE. 210	S Mail.	
Email: Correspondent Name Address Line 1:	: NUMBER:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S 20057-1981 NITA MILLER	LLP TE. 210	S Maii.	
Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	: NUMBER:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S 20057-1981 NITA MILLER /Nita Miller/	LLP TE. 210	S Man.	
Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	NUMBER:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S 20057-1981 NITA MILLER /Nita Miller/	LLP TE. 210	S Mall.	
Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3	vUMBER:	550-856-7539 nmiller@northweber.com NORTH, WEBER & BAUGH 2479 E. BAYSHORE RD., S PALO ALTO, CALIFORNIA S 20057-1981 NITA MILLER /Nita Miller/	LLP TE. 210	S Man.	

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, Inc., 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:

 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 "SYSTEMS AND METHODS FOR STABLE PHYSICALLY UNCLONABLE FUNCTIONS" ("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. <u>15/264,872</u>, and filed on <u>September 14, 2016</u>;
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.

1 of 3

PATENT REEL: 039742 FRAME: 0451

Title:	SYSTEMS AND METHODS FOR STABLE PHYSICALLY UNCLONABLE FUNCTIONS
Inventor(s):	Sung Ung Kwak
Appl. No.:	15/264,872
Filing Date:	September 14, 2016
Docket No.:	20057-1981

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. An Inventor/assignor signature block is located on the following page.

{20057/1981/00013267.DOCX v1} 2 of 3

PATENT REEL: 039742 FRAME: 0452

Title:	SYSTEMS AND METHODS FOR STABLE PHYSICALLY UNCLONABLE FUNCTIONS
Inventor(s):	Sung Ung Kwak
Appl. No.:	15/264,872
Filing Date:	September 14, 2016
Docket No.:	20057-1981

INVENTOR Name:	Sung Ung Kwak
INVENTOR Address:	3494 Wayeross Ln.
	Frisco, TX 75033
INVENTOR Signature Date of Signature:	
Date of Signature.	

Witnessed By:	RAKESH SELVARAJ [Print Name] Maul
Witness Signature:	Mart
Date of Signature:	9/14/2016
State of County of	
	, before me personally appeared, [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 he/she/they executed the sa	s/are subscribed to the within instrument and acknowledged to me that ame in his/her/their authorized capacity(ies), and that by his/her/their ent the person(s), or the entity upon behalf of which the person(s) acted,
I certify under PENALTY that the foregoing paragrap	OF PERJURY under the laws of the State of
WITNESS my hand and of	ficial seal.
Signature	(Seal)

{20057/1981/00013267.DOCX v1}

PATENT REEL: 039742 FRAME: 0453

RECORDED: 09/14/2016