

		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. SAM-51124	
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.				Mail Stop Assignment Recordation Services	
1. Name of conveying party(ies): 1. Je-Min YU 2. Sung-Min SEO 3. Ho-Young SONG 4. Gil-Su KIM 5. Jong-Min OH			2. Name and address of receiving party: Name: Samsung Electronics Co., Ltd.		
Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Internal Address:		
3. Nature of conveyance:			Street Address: 129, Samsung-ro, Yeongtong-gu		
<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger	City: Suwon-si	
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name	State: Gyeonggi-do	Country: Republic of Korea Zip Code: 443-742
<input type="checkbox"/>	Joint Research Agreement	<input type="checkbox"/>	Government Interest Assignment	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/>	Executive Order 9494, Confirmatory License	<input type="checkbox"/>	Other:		
Execution Date(s):		07/17/2013			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:					
A. Patent Application Number:			B. Patent Number(s):		
14/049,399					
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:			6. Total number of applications and patents involved: 1		
Name:	Patrick D. Muir	(tel): 703-757-7880 (fax): 703-757-7447 (e-mail): mailroom@muirpatentconsulting.com			
Internal Address:	Muir Patent Consulting, PLLC				
Street Address:	9913 Georgetown Pike, Suite 200, P.O. Box 1213				
City:	Great Falls				
State:	VA	Zip:	22066		
7. Total fee (37 CFR 1.21(h) and 3.41): \$ 40			8. Deposit Account No.: 50-4574		
<input type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to deposit account 50-4574) <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> None required (government interest not affecting title)					
9. Statement and signature.					
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
Signed:		/Sang Ki Hwang/		October 9, 2013	
		Sang Ki Hwang, Reg. No. 66,641		Date	
Total number of pages including cover sheet, attachments and documents:					7

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SAMSUNG ELECTRONICS CO., LTD.

**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM¹**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title: **SEMICONDUCTOR MEMORY DEVICE HAVING OTP CELL ARRAY**

for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to:

- ☒ The attached U.S. non-provisional patent application, or
- ☐ U.S. non-provisional patent application number _____, filed on _____, or
- ☐ PCT international patent application number _____, filed on _____.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

¹ This form requires the use of an Application Data Sheet.

SEC Ref	ID-201108-561-1-US0	Attorney Ref	SAM-51124
No.		No.	

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I (we) hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the

SEC Ref

ID-201108-561-1-US0

Attorney Ref

SAM-51124

No.

No.


COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

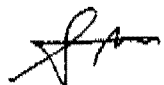
Page 2 of 6

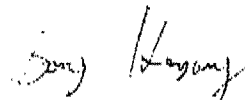
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INVENTOR/ASSIGNOR	YU	Je-Min	
SIGNATURE  DATE 2013. 07. 17			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SEO	Sung-Min	
SIGNATURE  DATE 2013. 07. 17			

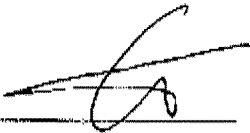
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SONG	Ho-Young	
SIGNATURE  DATE 2013. 7. 17			

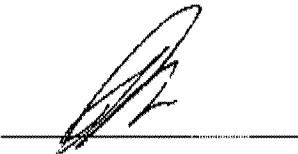
SEC Ref ID-201108-561-1-US0 Attorney Ref SAM-51124
No. No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 4 of 6

PATENT
REEL: 031447 FRAME: 0249

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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Gil-Su	
SIGNATURE  DATE <u>2013/11/17</u>			

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	OH	Jong-Min	
SIGNATURE  DATE <u>2013/11/17</u>			

SEC Ref
No.

ID-201108-561-I-US0

Attorney Ref
No.

SAM-51124

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 5 of 6PATENT
REEL: 031447 FRAME: 0250

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SEC Ref	ID-201108-561-1-US0	Attorney Ref	SAM-51124
No.		No.	

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 6 of 6