502065412 09/17/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the recordation to add the second Assignor previously recorded on Reel 028198 Frame 0809. Assignor(s) hereby confirms the second Assignor is AHN, JONGKEUN.

CONVEYING PARTY DATA

Name	Execution Date
KUI-YON MUN	05/10/2012
JONGKEUN AHN	05/09/2012

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, MAETAN-DONG, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	442-742

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13469203

CORRESPONDENCE DATA

Fax Number: 5712830740

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5712830720

Email: aloomis@volentine.com

Correspondent Name: VOLENTINE & WHITT, PLLC

Address Line 1: 11951 FREEDOM DRIVE, SUITE 1300

Address Line 4: RESTON, VIRGINIA 20190

ATTORNEY DOCKET NUMBER:	SEC.3092
NAME OF SUBMITTER:	ADAM C. VOLENTINE

Total Attachments: 6

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PATENT REEL: 029001 FRAME: 0001 \$40.00 13469203

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501918746 05/11/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kui-Yon Mun	05/10/2012

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu,
City:	Suwon-si, Gyeonggi-do,
State/Country:	REPUBLIC OF KOREA
Postal Code:	442-742

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13469203

CORRESPONDENCE DATA

Fax Number: (571)283-0740 **Phone**: 5712830720

Email: aloomis@volentine.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: VOLENTINE & WHITT, PLLC

Address Line 1: 11951 FREEDOM DRIVE, SUITE 1300

Address Line 4: RESTON, VIRGINIA 20190

ATTORNEY DOCKET NUMBER:	SEC.3092
NAME OF SUBMITTER:	ADAM C. VOLENTINE

Total Attachments: 4

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PATENT

REEL: 029001 FRAME: 0002

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ASSIGNMENT

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	III Acanal	consideration of the sun	of One Dollar ((\$1.00)	and other good and valuable	
Insert	POSIDE	deration paid to each of	the undersigned			
Namc(s) of Inventor(s)	Ι,	Kui-Yon MUN	минициональный принципа	7.		
	2.	Jongkeun AHN	46-68	8		,,,,
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lasers Name(s) of	the ur	idersigned hereby sell(s)	and assign(s) to			
Assignec(s) &	-monacoccu	SAMS	UNG ELECTRO	NICS	CO. LTD.	
and a second		416, Maetan-de	ona, Yeonata	one-e	13.	
Address(es)	or	Suwon-si, Gye	onggi-do 44.	2-742	, Republic of Korea	
Title of Invention	FIAS	H MEMORY DEVICE I	HAVING SEED	SELE	CTOR CIRCUIT	tu.
Date of Signing of					s of America has been executed by	-
Application	the un	dersigned on May 10	2012			
	The wasplicated executed and applicated and applica	ndersigned agree(s) to ex ation and any continuing	ecute all papers : , divisional or re	necessa issue a	ary in connection with this pplications thereof and also to applications as the Assignce may	
	interfe reissus	rence which may be deci	lared concerning with the Assign	this ap nee kan e	ry in connection with any plication or continuing, division or very way possible in obtaining	
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	The un	densigned agree(s) to per of a valid United States	rform all affirms patent to the Ass	tive act signee.	s which may be necessary to obtain	

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VOLENTINE & WHITT, P.	L.L.C. (01/200	7
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mame(s).

ATTORNEY DOCKET NO. SEC 3092

The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20087** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned

Signature of Inventor Date May 10 , 2012 Signature of Inventor (Note regarding Witnessing: It is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been witnessed.) Witness Applicant Reference No. ID-210127-US

Dam 2 of 2

VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.3092

	ASS	IGNMENT	
	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned		
Insert Name(s) of Inventor(s)	1. Kui-Yon MUN	7.	
	2. Jongkeun AHN	8.	
	3.	9.	
	4.	10.	
	5	11.	
	6.	12.	
Insert Name(s) of	6. the undersigned hereby sell(s) and	assign(s) to	
Assignee(s) &	SAMSUNG ELECTRONICS CO., LTD.		
4.3.4	416, Maetan-dong, Yeongtong-gu,		
Address(es)	or Suwon-si, Gyeong	gi-do 442-742, Republic of Korea	
Title of Invention	(hereinafter designated as the Assignce) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as FLASH MEMORY DEVICE HAVING SEED SELECTOR CIRCUIT		
Date of Signing of Application	the undersigned on May 9, 2012 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.		
	The undersigned agree(s) to perfor a grant of a valid United States pat	m all affirmative acts which may be necessary to obtain ent to the Assignec.	

Page I of 2

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VOLENTINE & WHITT, P.L.L.	C. (01/2907)	ATTORNEY DOCKET NO. SEC.3092
power to insert on this a	ssignment any further identif	sociated with the CUSTOMER NUMBER 20987 the fication which may be necessary or desirable in order to fice for recordation of this document.
Patents of the United Streessuc applications ther he has (they have) full reexecuted, and will not ex	ates resulting from said appli eof to the said Assignee, as a ight to convey the entire inte xecute, any agreement in con	he Commissioner of Patents to issue any and all Letters cation or any division or divisions or continuing or Assignee of the entire interest, and hereby covenants that rest herein assigned, and that he has (they have) not afflict herewith. ed on the date(s) opposite the undersigned
Date	Signature of In	eventor Kui-Yon MUN
Date	Signature of I	oventor Jongkeun Alin
Date	Signature of Is	iventor
Date	Signature of I	ivenfor.
Date	Signature of Is	
Date	Signature of Ir	iventor
witnessed by	at least two witnesses who s	nmended that the execution by the Inventor(s) be sign here. However, the current practice of the U.S. an Assignment even it has not been witnessed.)
Witn	iess	
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Applicant Reference No	ID-210127-US	_

Page 2 of 2

RECORDED: 09/17/2012