Name of conveying party(ies):

01/24/2013



103654456

	1.) Jae Joon HAN 2.) Seung Ju HAN 3.) Won Chul BANG 4.) Do Kyoon KIM			
2.	Name and Address of receiving party(ies):			
	SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea			
3.	Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): January 15, 2013			
4.	Application number(s) or patent number(s): This document is being filed together with a new application.			
	OR This document is being filed after filing of the application: (a) Patent Application No. 13/811,091, filed January 18, 2013; or (b) Patent No.			
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1911.1673 Attention: Sameer Vadera 1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005			
6.	Total number of applications and patents involved:1			
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ☑ Enclosed ☐ Authorized to be charged to credit card. ☐ Authorized to be charged to deposit account.			
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)			
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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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relating to International Patent Application PCT/KR2011/005379, filed on July 21, 2011, and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on ,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is
Serial No. ;	hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

	IN WITNESS WHEREOF, the undersigned inv (Typed Name & Signature of Inventor(s))	entor(s) has (have) affixed his (Date)	s/her/their signature(s). (Typed Name & Signature of Witness(es))
	(Types reams & signature of invarion(s))	, ,	(Typed Hame & Signature of Withess [es])
1)	44-1	January 15, 2013	
-	Jae Joon HAN		•
2)	1/2	January 15, 2013	
	Seung Ju HAN		
3) _	Winchel Bang	January 15, 2013	
	Won Chul BANG		
4) _			***************************************
	Do Kyoon KIM		

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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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	IN WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s))	inventor(s) has (have) affixed his (Date)	her/their signature(s). (Typed Name & Signature of Witness(es))
1)			
	Jae Joon HAN		
2)	Seung Ju HAN		<u> </u>
3)			
	Won Chul BANG		
1)	- The Thin	January 15, 2013	
	Do Kyoon'KIM		

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PATENT REEL: 029760 FRAME: 0836

RECORDED: 01/23/2013