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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Heun-chul Lee	01/07/2013
Dong-wook Kim	01/07/2013
Jong-jin Kim	01/07/2013

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.	
Street Address:	129, Samsung-ro, Yeongtong-gu	
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City:	Suwon-si	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13797107	

CORRESPONDENCE DATA

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Total Attachments: 2

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PATENT REEL: 029976 FRAME: 0623 OP \$40.00 1379710

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto, or

to United States Ap	oplication Number or PCT International Application Number
filed on	(if applicable), entitled:
	METHOD AND APPARATUS FOR ESTIMATING OFFSET VALUE, RECEIVING APPARATUS, AND METHOD OF PROCESSING SIGNAL IN RECEIVING APPARATUS
The above-identifie	d application was made or authorized to be made by me.
I believe I am the o application.	riginal inventor or an original joint inventor of a claimed invention in the above-identified
	lge that any willful false statement made in this declaration is punishable under 18 USC 100° ment of not more than five (5) years, or both.
I have reviewed an	d understand the contents of the above-identified application, including the claims.
to be material to pa information that be	luty to disclose to the United States Patent and Trademark Office all information known to material internation and Trademark Office all information known to material came available between the filing date of the prior application and the national or PCT late of the continuation-in-part application.
	ASSIGNMENT
For valuable consid	deration, I, as a below-named assignor, hereby assign to:
2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Electronics Co., Ltd.

Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do 443-742 Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International Application Number 13/797,107 filed on March 12, 2013

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the fling date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications. Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Heun-chul LEE		
Inventor's Signature	R	Date	January 7, 2013
Residence (City, Country)	Hwaseong-si, Republic of Korea		
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Inventor's Legal Name	Dong-wook KIM		
Inventor's Signature	(//(1)	Date	January 7, 2013
Residence (City, Country)	Secut, Republic of Korea		
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Inventor's Legal Name	Jong-jin KIM		
Inventor's Signature	Nh	Date	January 7, 2013
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