PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KHALIL HADDAD	12/18/2014
ROBERT M. MONROE	12/18/2014
YANG LI	12/18/2014

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO
Internal Address:	YEONGTONG-GU, SUWON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	443-742

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14575661	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 927-628-3600

Email: patents@munckwilson.com
Correspondent Name: DOCKET CLERK - SAMS
Address Line 1: P.O. DRAWER 800889
Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER: 2014.03.004.SR0	
NAME OF SUBMITTER: MICHAEL G. RODRIGUEZ	
SIGNATURE:	/Michael G. Rodriguez/
DATE SIGNED: 12/18/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 034550 FRAME: 0725

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention ANTENNA ARRAY SELF-CALIBRATION
As the undersigned inventor, I hereby declare that:
This combined declaration and assignment is directed to: United States application or PCT International application number filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
1 have reviewed and understand the contents of the application including the claims, for which this combined declaration and assignment is being submitted.
I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CF 1.56.
WHEREAS, <u>Samsung Electronics Co.</u> , <u>Ltd.</u> , a <u>Korean corporation</u> , <u>having a place of business at 129</u> , <u>Samsung-ro.</u> <u>Yeongtong Suwon-si.</u> <u>Gyeonggi-do.</u> <u>Korea</u> (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuat applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.
We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, mapply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.
I hereby acknowledge that any willful false statement made in this combined declaration and assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)
Inventor: Khalil Haddad Date: 12/18/2014
Signature: AAANNA

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LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)	<u> </u>		
of Short Have Harrow (e.g., full first name, middle initial, last name))		
Inventor: Robert W. Monroe Date: 12-18-2014			
Signature: W. W.			

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	LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)
	Inventor: Yang Li Date: $\frac{ 2/18/2014 }{ 2/18 }$
Participation of the second contraction of t	Signature: 明刻
-	

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RECORDED: 12/18/2014