PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seung Hee HAN	08/29/2011
Dae Won LEE	09/16/2011
Yeong Hyeon KWON	08/30/2011

RECEIVING PARTY DATA

Name:	G ELECTRONICS INC.	
Street Address: 20, Yeouido-dong, Yeoungdeungpo-gu		
City:	Seoul	
State/Country:	REPUBLIC OF KOREA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13263727

CORRESPONDENCE DATA

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Mail.

Correspondent Name: LEE, HONG, DEGERMAN, KANG & WAIMEY

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Address Line 2: Suite 2300

Address Line 4: LOS ANGELES, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER:	2101-5102
NAME OF SUBMITTER:	Harry S. Lee

Total Attachments: 3

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PATENT REEL: 027033 FRAME: 0592

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1) HAN, Seung Hee (5)
		(2) LEE, Dae Won (6)
		(3) KWON, Yeong Hyeon (7)
		(4)
		In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.
(10)	Insert state of Incorporation of Assignee	
(11)	Insert address of Assignee	(11) 20 Yeouido-dong, Yeoungdeungpo-gu, Seoul 150-721 Republic of Korea
		(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
(12)	Insert identification of Invention such as Title, Case Number of Carrier Application Number	
	Foreign Application Number	(Application Serial No.) for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.
(13) and assig	continuing United States and	(13) agree(s) to execute all papers necessary in connection with any original, reissue, divisional foreign applications for the above-identified invention and also to execute separate applications as the Assignee may deem necessary or expedient.
decla	The undersigned ared concerning this application taining evidence and going forward.	agree(s) to execute all papers necessary in connection with any interference which may be or continuation or division thereof and to cooperate with the Assignee in every way possible ard with such interference.
in cor	The undersigned annection with claims or provision	agree(s) to execute all papers and documents and perform any act which may be necessary ns of the International Convention for Protection of Industrial Property or similar agreements.
Unite	The undersigned d States patent to the Assigned	agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid
said interest The	nts of the United States resulting Assignee, as Assignee of the contract that he est herein assigned, and that he undersigned hereby appoint assignment any further identice.	nereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters for from said application or any division or divisions or continuing applications thereof to the entire interest, and hereby covenants that he has (they have) full right to convey the entire has (they have) not executed any agreement in conflict herewith. It is the Attorneys Associated with Customer No. 035884 the power to insert on iffication which may be necessary or desirable in order to comply with the rules of idemark Office for recordation of this document.
Date	29. Augnoll sign	nature of Inventor
	e:	nature of Inventor
Date	5igi	iadio Vi involtor
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ASSIGNMENT

(1-8)	Insert Name(s) of Inventor	(s) (1) H	IAN, Seung Hee	(5)	
		(2) L	EE, Dae Won	(6)	
		(3) K	WON, Yeong Hyeon	(7)	
		(4)		(8)	
(0)	locart name of tools	cons and	iderations paid to each of hereby does assign, transf	of one dollar (\$1.00) and other good and valuable the undersigned, the undersigned agree(s) to assign or and set over to	
(9) (10)	Insert name of Assignee Insert state of Incorporation	(9)	LG ELECTRONICS INC. Republic of Korea		
(10)	Assignee	1101 (10)	Republic of Rolea		
(11)	Insert address of Assigned	(11)	20 Yeouido-dong, Yeoun	gdeungpo-gu, Seoul 150-721 Republic of Korea	
			einafter designated as the a e invention known as	Assignee) the entire worldwide right, title and interest	
(12) Insert identification of Invention, such as Title, Case Number or		er or REF	(12) METHOD AND APPARATUS FOR TRANSMITTING POSITIONING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM		
	Foreign Application Numb	(App for w State) have) executed an application for patent in the United t applications in foreign countries corresponding	
(13)	Insert Date of Signing of Application	(13)			
	The undersign continuing United States	and foreign a	applications for the abov	sary in connection with any original, reissue, division e-identified invention and also to execute separa em necessary or expedient.	
		ion or continu	ation or division thereof an	sary in connection with any interference which may l d to cooperate with the Assignee in every way possib	
in cor				cuments and perform any act which may be necessa Protection of Industrial Property or similar agreement	
Unite	The undersign d States patent to the Assig		perform all affirmative ac	s which may be necessary to obtain a grant of a va	
said / intere The u this a	nts of the United States res Assignee, as Assignee of the est herein assigned, and tha undersigned hereby appo	ulting from sai ne entire inter t he has (they pints the Atto entification w	d application or any divisions, and hereby covenants have) not executed any acommeys Associated with thich may be necessary	e Commissioner of Patents to issue any and all Lette on or divisions or continuing applications thereof to the that he has (they have) full right to convey the enti- reement in conflict herewith. a Customer No. 035884 the power to insert on or desirable in order to comply with the rules of his document.	
		Signature of In			
Date:	Sep 16, 2011	Signature of In	ventorv	Z	
Date:	<u> </u>	Signature of In	ventor		

PATENT REEL: 027033 FRAME: 0594

ASSIGNMENT

(1-8)	Insert Name(s) of Invent	or(s) (1) I	HAN, Seung Hee	(5)	
		(2) I	EE, Dae Won	(6)	
		(3)	KWON, Yeong Hyeon	(7)	
		(4)		(8)	
		con and	siderations paid to each o hereby does assign, tran		
(9)	Insert name of Assignee		LG ELECTRONICS INC	;.	
(10)	Insert state of Incorporat Assignee	ion or (10)	Republic of Korea		
(11)	Insert address of Assign	ee (11)	20 Yeouido-dong, Yeoι	ngdeungpo-gu, Seoul 150-721 Republic of Korea	
		,	einafter designated as the e invention known as	Assignee) the entire worldwide right, title and interest	t
(12) Insert identification of Invention, such as Title, Case Number or		ber or REF		ATUS FOR TRANSMITTING POSITIONING RELESS COMMUNICATION SYSTEM	
	Foreign Application Num	(Ap) for v Stat	olication Serial No. which the undersigned has es of America and all pate eto or based thereon.) (have) executed an application for patent in the Unite ent applications in foreign countries corresponding	∍d
(13)	Insert Date of Signing of Application	(13)			
	continuing United States	and foreign	applications for the abo	ssary in connection with any original, reissue, division ve-identified invention and also to execute separa deem necessary or expedient.	
		ation or continu	ation or division thereof a	ssary in connection with any interference which may nd to cooperate with the Assignee in every way possi	
in cor				ocuments and perform any act which may be necession Protection of Industrial Property or similar agreemen	
Unite	The undersig d States patent to the Ass		o perform all affirmative a	cts which may be necessary to obtain a grant of a va	alic
said A intere The u this a	nts of the United States re Assignee, as Assignee of est herein assigned, and th undersigned hereby app	sulting from sa the entire inter lat he has (they points the Att dentification v	id application or any divisest, and hereby covenant have) not executed any corneys Associated within may be necessar	he Commissioner of Patents to issue any and all Letti- ion or divisions or continuing applications thereof to to its that he has (they have) full right to convey the entagreement in conflict herewith. Ith Customer No. 035884 the power to insert on y or desirable in order to comply with the rules of this document.	the
Date:		Signature of I	nventor		
Date:	***************************************	Signature of I	nventor		
Dol -	2014 August 22	Olanatura at l	augstor.	N. Salah	
Date.	2011-August-30	oignature of it	rventor	N. 1. A.	

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RECORDED: 10/07/2011

PATENT REEL: 027033 FRAME: 0595