PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Moon IL LEE	10/24/2011
Ja Ho KOO	10/24/2011
Jae Hoon CHUNG	10/20/2011
Bin Chul IHM	10/20/2011
Hyun Soo KO	10/20/2011

RECEIVING PARTY DATA

Name:	LG Electronics Inc.	
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu,	
City:	Seoul	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	150-721	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13266833

CORRESPONDENCE DATA

Fax Number: (202)739-3001

Email: patents@morganlewis.com

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

via US Mail.

Correspondent Name: Robert J. Gaybrick

Address Line 1: 1111 Pennsylvania Ave, NW

Address Line 4: Washington, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	001082-5068
NAME OF SUBMITTER:	Robert J. Goodell

Total Attachments: 6

PATENT REEL: 027141 FRAME: 0242 13% 13%

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ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [LEE, Moon II; KOO, Ja Ho; CHUNG, Jae Hoon, IHM, Bin Chul and KO, Hyun Soo], and have made an invention entitled:

METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING DATA IN A WIRELESS COMMUNICATION SYSTEM

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for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on			
WHEREAS, LG ELECTRONICS INC. a corporation of Korea, whose post office address is 20 Yeouido—dong, Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, (hereinafter referred to as Assignce), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;			
NOW THEREFORE, be it known that, for assignee is hereby acknowledged, I/WE, as assignor sell, assign, transfer, and set over unto the assignee, and interest in and to this invention and this applicat Patent of the United States which may be granted the request the Commissioner of Patents and Trademark invention to assignee, its successors and assigns, in a	its lawful successors and assigns, MY/OUR or tion, and all divisions, and continuations therece ereon, and all reissues thereof; and I/WE hereb as of the United States to issue all Letters Paten	ver, and do hereby ntire right, title, of, and all Letters by authorize and	
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.			
Power of Attorney in this application, to insert here No, filed) the filing date and application	on number of said application when known.	Declaration and Oct. 28, 2011	
IN TESTIMONY WHEREOF, I/WE have		T-	
Full Name of First Assignor LEE, Moon II	Assignor's Signature	of. of, wil	
Address	and the same of th	Citizenship	
LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, A	nyang-si, Gyeonggi-do 431-080 Korea	Republic of Korea	
Full Name of Second Assignor KOO, Ja Ho	Assignor's Signature	Date	
Address	J	Citizenship	
LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, A	nyang-si, Gyeonggi-do 431-080 Korea	Republic of Korea	
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Full Name of Third Assignor CHUNG, Jae Hoon	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Donge	ın-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea
Full Name of Fourth Assignor IHM, Bin Chul	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, Anyang-si, Gyconggi-do 431-080 Korea		Citizenship Republic of Korca
Full Name of Fifth Assignor KO, Hyun Soo	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Donga	n-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea

ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [LEE, Moon II; KOO, Ja Ho; CHUNG, Jae Hoon, IHM, Bin Chul and KO, Hyun Soo], and have made an invention entitled:

METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING DATA IN A WIRELESS COMMUNICATION SYSTEM

WHEREAS, LG ELECTRONICS INC. a corporation of Korea, whose post office address is 2 dong, Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, (hereinafter referred to as Assignee), is de securing the entire right, title, and interest in and to this invention, the application for United States Let this invention and the Letters Patent to be issue upon this application;	esirous of
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of white assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, a sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire and interest in and to this invention and this application, and all divisions, and continuations thereof, are Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby an request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;	and do hereby right, title, nd all Letters uthorize and
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invertestify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all may be necessary or desirable to perfect the title to this invention in said assignee, its successors and as execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do expossible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for the United States, it being understood that any expense incident to the execution of such papers shall the assignee, its successors and assigns.	ention and Il papers that ussigns, everything this invention
AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declar Power of Attorney in this application, to insert here in parentheses (Application 13/266,833, filed Oct. No, filed) the filing date and application number of said application when known. IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).	laration and . 28, 2011
Full Name of First Assignor LEE, Moon II Date of First Assignor Assignor's Signature Date of First Assignor Date	ite
	tizenship epublic of Korea
Full Name of Second Assignor KOO, Ja Ho Assignor's Signature Date of Second Assignor and Date of Second Assigno	Oct. 24, 2011
	tizenship epublic of Korea

Full Name of Third Assignor CHUNG, Jae Hoon	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Dongs	ın-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea
Full Name of Fourth Assignor IHM, Bin Chul	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Fifth Assignor KO, Hyun Soo	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Donga	ın-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea

ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [LEE, Moon II; KOO, Ja Ho, CHUNG, Jae Hoon, IHM, Bin Chul and KO, Hyun Soo], and have made an invention entitled:

METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING DATA IN A WIRELESS COMMUNICATION SYSTEM

Comme	MICATION CTOTEM	
for which I/WE executed an application for United application for United States Letters Patent on		; or filed an
WHEREAS, <u>LG ELECTRONICS INC.</u> a dong, Yeongdeungpo-gu, Seoul 150-721 Republic securing the entire right, title, and interest in and to this invention and the Letters Patent to be issue upon	this invention, the application for United S	ee), is desirous of
NOW THEREFORE, be it known that, for assignee is hereby acknowledged, I/WE, as assigno sell, assign, transfer, and set over unto the assignee and interest in and to this invention and this applica Patent of the United States which may be granted the request the Commissioner of Patents and Trademar invention to assignee, its successors and assigns, in	its lawful successors and assigns, MY/OU tion, and all divisions, and continuations thereon, and all reissues thereof; and I/WE has of the United States to issue all Letters F	et over, and do hereby R entire right, title, ereof, and all Letters ereby authorize and latent for this
AND, I/WE HEREBY further covenant an communicate with assignee, its successors and assignestify in any legal proceeding, sign all lawful paper may be necessary or desirable to perfect the title to execute all divisional, continuation, and reissue approssible to aid assignee, its successors and assigns, in the United States, it being understood that any exche assignee, its successors and assigns.	rs when called upon to do so, execute and cathis invention in said assignee, its successor lications, make all rightful oaths and gener to obtain and enforce proper patent protect	this invention and eliver all papers that rs and assigns, ally do everything ion for this invention
AND, I/WE HEREBY authorize and requer Power of Attorney in this application, to insert here No, filed) the filing date and application	in parentheses (Application 13/266,833, f	led Oct. 28, 2011
IN TESTIMONY WHEREOF, I/WE have	hereunto set our hand(s).	
Full Name of First Assignor LEE, Moon II	Assignor's Signature	Date
Address		Citizenship
LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, A	nyang-si, Gyeonggi-do 431-080 Korea	Republic of Korea
Full Name of Second Assignor KOO, Ja Ho	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, A	J. .nyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea

Full Name of Third Assignor CHUNG, Jae Hoon	Assignor's Signature	Date
	Jue Horin Chy	f 20 Oct. ,2011
Address I.G Institute, #533 Hogye 1(il)-dong, Dong	an-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea
Full Name of Fourth Assignor	Assignor's Signature	Date
IHM, Bin Chul	al st an	200f 2011
Address LG Institute, #533 Hogye 1(il)-dong, Dong	gan-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea
Full Name of Fifth Assignor KO, Hyun Soo	Assignor's Signature	Date 10. Oct . 2011
Address [G Institute #533 Hogye 1(il)-dong, Dong	gan-gu, Anyang-si, Gyeonggi-do 431-080 Korea	Citizenship Republic of Korea

PATENT REEL: 027141 FRAME: 0249

RECORDED: 10/28/2011