

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jinsoo CHOI</td> <td>07/11/2013</td> </tr> <tr> <td>Hangyu CHO</td> <td>07/11/2013</td> </tr> <tr> <td>Kyujin PARK</td> <td>07/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jinsoo CHOI	07/11/2013	Hangyu CHO	07/11/2013	Kyujin PARK	07/23/2013
Name	Execution Date								
Jinsoo CHOI	07/11/2013								
Hangyu CHO	07/11/2013								
Kyujin PARK	07/23/2013								
RECEIVING PARTY DATA									
Name:	LG Electronics Inc.								
Street Address:	20 Yoido-dong, Yongdungpo-gu								
City:	Seoul								
State/Country:	REPUBLIC OF KOREA								
Postal Code:	150-721								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14000919</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14000919				
Property Type	Number								
Application Number:	14000919								
CORRESPONDENCE DATA									
Fax Number:	2027393001								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	patents@morganlewis.com								
Correspondent Name:	Robert J. Gaybrick								
Address Line 1:	1111 Pennsylvania Ave, NW								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004								
ATTORNEY DOCKET NUMBER:	001082-5145								
NAME OF SUBMITTER:	Robert J. Goodell								
Signature:	/Robert J. Goodell/								
Date:	08/22/2013								

CH \$40.00 14000919

Total Attachments: 4

source=001082-5145-Assignment#page1.tif

source=001082-5145-Assignment#page2.tif

source=001082-5145-Assignment#page3.tif

source=001082-5145-Assignment#page4.tif

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

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [CHOI, Jinsoo, CHO, Hangyu and PARK, Kyujin], have made an invention entitled:

METHOD AND APPARATUS FOR TRANSMITTING DATA IN WIRELESS COMMUNICATION SYSTEM

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

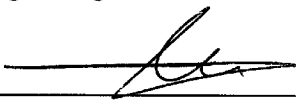
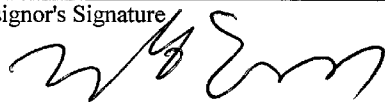
WHEREAS, LG ELECTRONICS INC., a corporation of Korea, whose post office address is 20 Yeouido - dong Yeongdeungpo-gu Seoul 150-721 Republic of Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

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.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor CHOI, Jinsoo	Assignor's Signature 	Date <i>11. July. 2013</i>
Address LG Institute, #533 Hogue 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Second Assignor CHO, Hangyu	Assignor's Signature 	Date <i>18. July. 2013</i>
Address LG Institute, #533 Hogue 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

11FCCM1234US02

KBK Ref. OPP-TZ-2011-0427-US-00/CT

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

Full Name of Third Assignor PARK, Kyujin	Assignor's Signature	Date
Address LG Institute, #533 Hogue 1(il)-dong, Dongan-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), [CHOI, Jinsoo, CHO, Hangyu and PARK, Kyujin], have made an invention entitled:

METHOD AND APPARATUS FOR TRANSMITTING DATA IN WIRELESS COMMUNICATION SYSTEM

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

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 Assignee), 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 good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

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.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

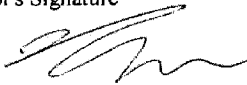
IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor CHOI, Jinsoo	Assignor's Signature	Date
Address LG Institute, #533 Hogue 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Second Assignor CHO, Hangyu	Assignor's Signature	Date
Address LG Institute, #533 Hogue 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

11FCCM1234US02

KBK Ref. OPP-TZ-2011-0427-US-00/CT

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

Full Name of Third Assignor PARK, Kyujin	Assignor's Signature 	Date 2013.07.23
Address LG Institute, #533 Hogye 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea