## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Hyun Soo Ko	01/24/2011
Moon II Lee	01/24/2011
Jae Hoon Chung	01/24/2011
Bin Chul Ihm	01/24/2011
Yeong Hyeon Kwon	02/08/2011

#### **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:	13058481

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	002027-5036
NAME OF SUBMITTER:	Robert J. Goodell

Total Attachments: 4

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> PATENT REEL: 025788 FRAME: 0581

ATTORNEY DOCKET NO.: 0XXXXX-XXXX SOLE/JOINT INVENTION (U.S. Rights Only--LGE National Stage)

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [bereinafter referred to as Assignor(s)], have made an invention entitled:

made an invention entitled;		•
METHOD OF TRANSMITTING DA	TA USING SPATIAL MULTIPLEXIN	iG .
for which I/WE executed an application for U application for United States Letters Patent or International Application No. PCT/KR2009/00	1(Application No	
WHEREAS, LG Electronics Inc. 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, Assignee), is desirous of securing the enti application for United States Letters Pater this application;	re right, title, and interest in and to the	ter referred to as his invention, the
NOW THEREFORE, be it known that from assignee is hereby acknowledged, I/WE, and do hereby sell, assign, transfer, and set ov MY/OUR entire right, title, and interest in and continuations thereof, and all Letters Patent o reissues thereof; and I/WE hereby authorize a the United States to issue all Letters Patent for accordance with the terms of this Assignment	rer unto the assignee, its lawful successor to this invention and this application, a fine United States which may be granteend request the Commissioner of Patents or this invention to assignee, its successor	nsferred, and set over, ors and assigns, and all divisions, and d thereon, and all and Trademarks of
communicate with assignee, its successors and invention and testify in any legal proceeding, and deliver all papers that may be necessary of assignee, its successors and assigns, execute a all rightful oaths and generally do everything and enforce proper patent protection for this is expense incident to the execution of such papers.	sign all lawful papers when called upon or desirable to perfect the title to this invall divisional, continuation, and reissue a possible to aid assignee, its successors anvention in the United States, it being upers shall be borne by the assignee, its surrequest the attorneys I/WE have empowered.	specting this to do so, execute ention in said applications, make and assigns, to obtain anderstood that any accessors and assigns. are din the Declaration
inational stage filed) the filing  IN TESTIMONY WHEREOF, I/WE	g date and application number of said ap	
Full Name of Sole or First Assignor KO, Hyun Soo	Assignor's Signature	Date  Af. Jan. 2011
Address: I.G R&D Complex, 533, Hogye 1-dong, 431-749 Republic of Korea	Dongan-gu, Anyang-si, Gyeongki-do	Citizenship Rep. of Korea
Full Name of Second Assignor LEF, Moon II	Assignor's Signature	Date 24 Jan 2011
Address: LG R&D Complex, 533, Hogye 1-dong, 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached [V] Yes	No	• • •

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Full Name of Third Assignor CHUNG, Jae Heon	Assignor's Signature	Date 24 Jan 2011
Address: LG R&D Complex, 533, Hogye 1-dong, Dongar-gu, Anyang-si, Gyeongki-do		Citizenship Rep. of Korea
Full Name of Fourth Assignor IHM, Bio Chul	Assignor's Signature のしとりか	Date Jan J. You
Address: LG R&D Complex, 533. Hogye 1-dong. Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Full Name of Fifth Assignor KWON, Yeong Hyeon	Assignor's Signature	Date
Address: LG R&D Complex, 533, Hogye I-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached	Yes V No	, , , , , , , , , , , , , , , , , , , ,

ATTORNEY DOCKET NO.: 0XXXXX-XXXX SOLE/JOINT INVENTION (U.S. Rights Only--LGE National Stage)

## **ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD OF TRANSMITTING DATA USING SPATIAL MULTIPLEXING
for which I/WE executed an application for United States Letters Patent concurrently herewith, or filed an application for United States Letters Patent on (Application No), based on PCT International Application No. PCT/KR2009/004483 and
WHEREAS, <u>LG Electronics Inc.</u> , a corporation of <u>Korea</u> , whose post office address is <u>20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea</u> , (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 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 parenthesis (U.S. Application No
IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

AV 1251 MOVI WILENCE OI, E WE have herealth set our hand(s).		
Full Name of Sole or First Assignor	Assignor's Signature	Date
KO, Hyun Soo		
Address: LG R&D Complex, 533, Hogye 1-dong, Dongan-gu, Anyang-si, Gyeongki-do		Citizenship
431-749 Republic of Korea		Rep. of Korea
Full Name of Second Assignor	Assignor's Signature	Date
LEE, Moon Il		
Address: LG R&D Complex, 533, Hogye 1-dong, Dongan-gu, Anyang-si, Gyeongki-do		Citizenship
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Names of additional inventors attached [V] Yes [] No		

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Full Name of Third Assignor	Assignor's Signature	Date
CHUNG, Jae Hoon		
Address: LG R&D Complex, 533, Hogye 1-dong, Dongan-gu, Anyang-si, Gyeongki-do		Citizenship
431-749 Republic of Korea		Rep. of Korea
Full Name of Fourth Assignor	Assignor's Signature	Date
IHM, Bin Chul		
Address: LG R&D Complex, 533, Hogye 1-dong, Dongan-gu, Anyang-si, Gyeongki-do		Citizenship
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Full Name of Fifth Assignor	Assignor's Signature	Date
KWON, Yeong Hyeon	Committee Commit	2011-02-08
Address: LG R&D Complex, 533, Hogye 1-dong, Dongan-gu, Anyang-si, Gyeongki-do		Citizenship
431-749 Republic of Korea		Rep. of Korea
Names of additional inventors attached [ ] Yes	[ V ] No	

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**RECORDED: 02/10/2011** 

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