

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hyun Soo Ko	01/24/2011
Moon Il 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

Fax Number: (202)739-3001
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 Correspondent Name: Robert J. Gaybrick
 Address Line 1: 1111 Pennsylvania Ave, NW
 Address Line 4: Washington, DISTRICT OF COLUMBIA 20004

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

Total Attachments: 4
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PATENT
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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. PCI/KR2009/004483 and

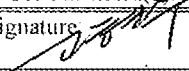
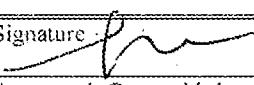
WHEREAS, LG Electronics Inc., a corporation of Korea, whose post office address is 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to 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. _____, national stage 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 KO. Hyun Soo	Assignor's Signature 	Date 24 Jan 2011
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Full Name of Second Assignor LEE, Moon Il	Assignor's Signature 	Date 24 Jan 2011
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor CHUNG, Jae Hoon	Assignor's Signature <i>Jae Hoon Chung</i>	Date 29 Jan, 2011
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Full Name of Fourth Assignor HIM, Bin Chul	Assignor's Signature <i>Bin Chul Him</i>	Date Jan 28, 2011
Address: LG R&D Complex, 533, Hoge 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, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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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 _____ (Application No. _____), based on PCT International Application No. PCT/KR2009/004483 and

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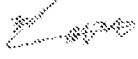
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, 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.

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

Full Name of Sole or First Assignor KO, Hyun Soo	Assignor's Signature	Date
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Full Name of Second Assignor LEE, Moon Il	Assignor's Signature	Date
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached [V] Yes [] No		

Full Name of Third Assignor CHUNG, Jae Hoon	Assignor's Signature	Date
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Full Name of Fourth Assignor IHM, Bin Chul	Assignor's Signature	Date
Address: LG R&D Complex, 533, Hoge 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 2011-02-08
Address: LG R&D Complex, 533, Hoge 1-dong, Dongan-gu, Anyang-si, Gyeongki-do 431-749 Republic of Korea		Citizenship Rep. of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		