

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jae Hoon Chung	10/31/2011
Yeong Hyeon Kwon	11/01/2011
Sung Ho Moon	10/31/2011
Kyu Jin Park	10/31/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LG Electronics Inc.
<b>Street Address:</b>	20 Yeouido-dong Yeongdeungpo-gu
<b>City:</b>	Seoul
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>Postal Code:</b>	150-721
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13375984
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Robert J. Gaybrick
<b>Address Line 1:</b>	1111 Pennsylvania Ave, NW
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20004
<b>ATTORNEY DOCKET NUMBER:</b>	001082-5073
<b>NAME OF SUBMITTER:</b>	Robert J. Goodell

Total Attachments: 6  
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**PATENT**  
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ATTORNEY DOCKET NO.:  
SOLE/JOINT INVENTION  
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [CHUNG, Jae Hoon, KWON, Yeong Hyeon, MOON, Sung Ho and PARK, Kyu Jin], have made an invention entitled:

**METHOD IN WHICH A RELAY ALLOCATES CARRIERS ON A BACKHAUL LINK AND AN ACCESS LINK IN A MULTI-CARRIER 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;

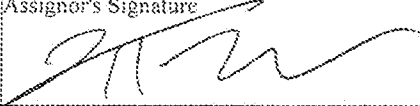
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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  CHUNG, Jae Hoon	Assignor's Signature  <i>Jae Hoon Chung</i>	Date  31 Oct, 2011
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Second Assignor  KWON, Yeong Hyeon	Assignor's Signature	Date
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

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Full Name of Third Assignor  MOON, Sung Ho	Assignor's Signature	Date
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor  PARK, Kyu Jin	Assignor's Signature 	Date 2011.10.31
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

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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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Full Name of Sole or First Assignor  CHUNG, Jae Hoon	Assignor's Signature	Date
Address LG Institute, #533 Hoge 1(ii)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Second Assignor  KWON, Yeong Hyeon	Assignor's Signature 	Date 2011-Nov-01
Address LG institute, #533 Hoge 1(ii)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

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Full Name of Third Assignor  MOON, Sung Ho	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(ii)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor  PARK, Kyu Jin	Assignor's Signature	Date
Address LG Institute, #533 Hogye 1(ii)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

OPP-TZ-2010-0254-US-00

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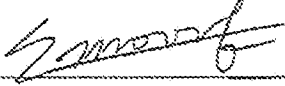
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Address LG Institute, #533 Heye 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Second Assignor  KWON, Yeong Hyeon	Assignor's Signature	Date
Address LG Institute, #533 Heye 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea

OPP-IZ-2010-0234-US-00

ATTORNEY DOCKET NO.:  
SOLE/JOINT INVENTION  
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Full Name of Third Assignor MOON, Sung Ho	Assignor's Signature 	Date Oct 31, 2011
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor PARK, Kyu Jin	Assignor's Signature	Date
Address LG Institute, #533 Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 Korea		Citizenship Republic of Korea