

PATENT ASSIGNMENT

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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>Han Gyu Cho</td> <td>12/08/2011</td> </tr> <tr> <td>Jin Sam Kwak</td> <td>12/12/2011</td> </tr> <tr> <td>Hyun Woo Lee</td> <td>12/08/2011</td> </tr> <tr> <td>Jin Soo Choi</td> <td>12/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Han Gyu Cho	12/08/2011	Jin Sam Kwak	12/12/2011	Hyun Woo Lee	12/08/2011	Jin Soo Choi	12/12/2011
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Han Gyu Cho	12/08/2011										
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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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13382475</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13382475						
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Application Number:	13382475										
CORRESPONDENCE DATA											
Fax Number:	(202)496-7756										
Phone:	2024967106										
Email:	mlaip@mckennalong.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	McKenna Long & Aldridge LLP										
Address Line 1:	1900 K Street NW										
Address Line 2:	Attorney Docket No. 8737.00502.US00										
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20006										
ATTORNEY DOCKET NUMBER:	8737.00502.US00										
NAME OF SUBMITTER:	Michael I. Angert										
Total Attachments: 2 source=8737_00502_US00_Assignment#page1.tif source=8737_00502_US00_Assignment#page2.tif											

CH \$40.00 13382475

Assignment of Application

WHEREAS, I (WE)	CHO, Han Gyu; KWAK, Jin Sam; LEE, Hyun Woo and CHOI, Jin Soo		
			, respectively,
have invented certain new and useful improvements in:			
METHOD FOR TRANSMITTING A RANGING SIGNAL IN A WIRELESS COMMUNICATION SYSTEM			
for which an application for Letters Patent was executed on			
(Application No.		, Filed), and
WHEREAS,	LG ELECTRONICS INC.		
(hereinafter referred to as "ASSIGNEE") having a place of business at:			
20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721 Republic of Korea			


is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

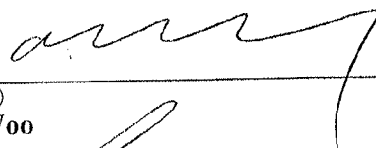
The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Dec. 8. 2011


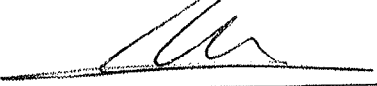
(Signature of Inventor)
CHO, Han Gyu

Date: Dec. 12. 2011


(Signature of Inventor)
KWAK, Jin Sam

Date: Dec. 8. 2011


(Signature of Inventor)
LEE, Hyun Woo

Date: Dec. 12. 2011


(Signature of Inventor)
CHOI, Jin Soo

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