

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>Ja Ho Koo</td> <td>01/20/2012</td> </tr> <tr> <td>Seung Hee Han</td> <td>01/10/2012</td> </tr> <tr> <td>Hyun Soo Ko</td> <td>01/10/2012</td> </tr> <tr> <td>Jae Hoon Chung</td> <td>01/10/2012</td> </tr> <tr> <td>Bin Chul Ihm</td> <td>01/10/2012</td> </tr> <tr> <td>Moon Il Lee</td> <td>01/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ja Ho Koo	01/20/2012	Seung Hee Han	01/10/2012	Hyun Soo Ko	01/10/2012	Jae Hoon Chung	01/10/2012	Bin Chul Ihm	01/10/2012	Moon Il Lee	01/19/2012
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<table border="1"> <tr> <td>Name:</td> <td>LG Electronics Inc.</td> </tr> <tr> <td>Street Address:</td> <td>20 Yoido-dong, Yongdungpo-ku</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	LG Electronics Inc.	Street Address:	20 Yoido-dong, Yongdungpo-ku	City:	Seoul	State/Country:	REPUBLIC OF KOREA						
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13386384</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13386384										
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CORRESPONDENCE DATA															
<p>Fax Number: (202)496-7756</p> <p>Phone: 2024967106</p> <p>Email: mlaip@mckennalong.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: McKenna Long & Aldridge LLP</p> <p>Address Line 1: 1900 K Street NW</p> <p>Address Line 2: Attorney Docket No. 8737.00508.US00</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20006</p>															
ATTORNEY DOCKET NUMBER:	8737.00508.US00														
NAME OF SUBMITTER:	Michael I. Angert														

CH \$40.00 13386384

Total Attachments: 6

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Assignment of Application

WHEREAS, I (WE)	KOO, Ja Ho; HAN, Seung Hee; KO, Hyun Soo; CHUNG, Jae Hoon; IHM, Bin Chul and LEE, Moon Il
, respectively,	
have invented certain new and useful improvements in:	
METHOD FOR TRANSMITTING/RECEIVING A COMP REFERENCE SIGNAL	
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.

10FCCM489US02

Docket No.:

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:

20 JAN 2012

(Signature of Inventor)

KOO, Ja Ho

Date:

(Signature of Inventor)

HAN, Seung Hee

Date:

(Signature of Inventor)

KO, Hyun Soo

Date:

(Signature of Inventor)

CHIUNG, Jae Hoon

Date:

(Signature of Inventor)

IHM, Bin Chul

Date:

(Signature of Inventor)

LEE, Moon Il

McKenna Long & Aldridge LLP

Attorneys At Law

1900 K Street, N.W.

Washington, D.C. 20006

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Date: _____

(Signature of Inventor)

KOO, Ja HoDate: 10 Jan. 2012

(Signature of Inventor)

HAN, Seung HeeDate: 10 JAN 2012

(Signature of Inventor)

KO, Hyun SooDate: 10 Jan. 2012

(Signature of Inventor)

CHUNG, Jae HoonDate: 10 Jan. 2012

(Signature of Inventor)

IHM, Bin Chul

Date: _____

(Signature of Inventor)

LEE, Moon Il**McKenna Long & Aldridge LLP**

Attorneys At Law

1900 K Street, N.W.

Washington, D.C. 20006

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KOO, Ja Ho

Date: _____

(Signature of Inventor)

HAN, Seung Hee

Date: _____

(Signature of Inventor)

KO, Hyun Soo

Date: _____

(Signature of Inventor)

CHUNG, Jae Hoon

Date: _____

(Signature of Inventor)

IHM, Bin ChulDate: 19 Jan, 2012

(Signature of Inventor)

LEE, Moon Il

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006