PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Byoung Gill Kim	11/03/2009
In Hwan Choi	11/03/2009
Hyoung Gon Lee	11/03/2009
Won Gyu Song	11/03/2009
Jin Woo Kim	11/03/2009

RECEIVING PARTY DATA

Name:	LG Electronics Inc.	
Street Address:	20 YEOUIDO-DONG, YEONGDEUNGPO-GU	
City:	SEOUL, 150-721	
State/Country:	REPUBLIC OF KOREA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12610664

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ATTORNEY DOCKET NUMBER:	2080-3725
NAME OF SUBMITTER:	Harry S. Lee

Total Attachments: 3

PATENT REEL: 023502 FRAME: 0332

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> PATENT REEL: 023502 FRAME: 0333

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RECORDATION FORM COVER LETTER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

Docket No.: 2080-3725 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. Name of conveying party Byoung Gill Kim, In Hwan Choi, Hyoung Gon Lee, Won Gyu Song, and Jin Woo Kim 2. Name and address of receiving party(ies): Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No LG ELECTRONICS INC. 20 Yeouido-dong, Yeongdeungpo-gu 3. Nature of conveyance: Seoul, 150-721, Korea Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement ☐ Joint Research Agreement ☐ Government Interest Assignment □ Executive Order 9424, Confirmatory License Other __ Additional name(s) & address(es) attached? ☐ Yes ☒ No Execution Date: November 3, 2009 ☐ This document is being filed together with a new application. 4. Application number(s) or patent number(s): B. Patent No.(s) N/A A. Patent Application No.(s) 12/610,664 Additional numbers attached?

Yes Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: [1] document should be mailed: 7. Total fee (37 CFR 3.41) \$40 JONATHAN Y. KANG, ESQ. LEE, HONG, DEGERMAN, KANG & WAIMEY ☐ Enclosed Authorized to be charged to deposit account 660 South Figueroa Street **Suite 2300** Los Angeles, CA 90017 Deposit account number: 502290 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. Date: November 11, 2009 /Harry S. Lee/ Harry S. Lee, Reg. No. 56,814 OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 023502 FRAME: 0334

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) BYOUNG GILL KIM

(5) Jin Woo KIM

(2) in Hwan CHOI

(6)

(3) Hyoung Gon LEE

(7)

(4) Won Gyu SONG

(8)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee

(9) LG ELECTRONICS INC.

(10) Insert state of Incorporation of Assignee

(10) Korea

(11) Insert address of Assignee

(11) 20 YEOUIDO-DONG, YEONGDEUNGPO-GU, Seoul, 150-721,

Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (12) TRANSMITTING/RECEIVING SYSTEM AND METHOD OF PROCESSING BROADCAST SIGNAL IN TRANSMITTING/RECEIVING SYSTEM

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) Insert Date of Signing of Application (13)

- 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

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The undersigned hereby appoints the Attorneys associated with Customer No. 035884 the power to insert on this assignment any further identification 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: Nov 03. 2009	Signature of Inventor
Date: Nev 01, 2009	Signature of Inventor Melver
Date: Nov. 03, 2009	Signature of Inventor 0/ 200 %
Date: <u>Nov. 03, 200</u> 9	Signature of Inventor how
Date: Neu 03. 2005	Signature of Inventor
Date:	Signature of Inventor
Date:	Signature of Inventor
Date:	Signature of Inventor

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