PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the first assignors execution date previously recorded on Reel 030752 Frame 0069. Assignor(s) hereby confirms the assignment.	

CONVEYING PARTY DATA

Name	Execution Date
Hyunbyung CHA	06/27/2013
Sunggu JOE	07/04/2013
Hyeyoung HONG	06/27/2013

RECEIVING PARTY DATA

Name:	LG Electronics Inc.
Street Address:	20 Yeouido-dong Yeongdeungpo-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29460095

CORRESPONDENCE DATA

Fax Number: 2027393001

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: patents@morganlewis.com, ateckman@morganlewis.com

Correspondent Name: Colin Park

Address Line 1: 1111 Pennsylvania Ave NW

Address Line 4: Washington, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	001082-7157
NAME OF SUBMITTER:	Robert J. Goodell
Signature:	/Robert J. Goodell/
	PATENT

502462170 REEL: 031031 FRAME: 0609

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Date:	08/16/2013
Total Attachments: 6 source=001082-7157-RequestCorrectedAssignment#page1.tif source=001082-7157-RequestCorrectedAssignment#page2.tif source=001082-7157-RequestCorrectedAssignment#page3.tif source=001082-7157-RequestCorrectedAssignment#page4.tif	
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 9, 2013

PTAS

COLLIN PARK
1111 PENNSYLVANIA AVENUE NW
WASHINGTON, DC 20004

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 07/08/2013 REEL/FRAME: 030752/0069

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 001082-7157

ASSIGNOR: 06/27/2013

CHA, HYUNBYUNG DOC DATE: 06/29/2013

ASSIGNOR:

JOE, SUNGGU DOC DATE: 07/04/2013

ASSIGNOR:

HONG, HYEYOUNG DOC DATE: 06/27/2013

ASSIGNEE:

LG ELECTRONICS INC.

20 YEOUIDO-DONG YEONGDEUNGPO-GU SEOUL, KOREA, REPUBLIC OF 150-721

APPLICATION NUMBER: 29460095 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: TELEVISION RECEIVER

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Hyunbyung Cha	06/29/2013	06/27/2013
Sunggu Joe	07/04/2013	
Hyeyoung Hong	06/27/2013	

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	20 Yeouido-dong Yeongdeungpo-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

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Application Number:	29460095

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Phone: 2027393000

Email: adowney@morganlewis.com, patents@morganlewis.com

Correspondent Name: Collin Park

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Address Line 4: Washington, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	001082-7157
NAME OF SUBMITTER:	Jeffrey G. Killian
Signature:	/Jeffrey G. Killian/
Date:	07/08/2013

Total Attachments: 2

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Morgan, Lewis & Bockios LLP U.S. Patent & Trademark Office Substitute Form PTO/58/01 (03-2012)

ATTORNEY DOCKET NO.:
SOLEJOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

TELEVISION RECEIVER

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. _____); and

WHEREAS, LG ELECTRONICS INC., a corporation of Republic of Korea, whose post office address is 20 Yeouldo-dong Yeongdeungpo-gu Seoul 150-72! 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.

IN TESTIMONY WHEREOF, I/WE Is	ave hereunto set our hand(s).		
Full Name of Sale or First Assigner Hyunbyung CHA	Assignor's Signature	- B	Date 11. 06, 20/5.
Address Hyochang Park Purgio Apt. 107- Yongsan-gu, Scoul, Korea	1202, Hyochang-dong,		Citizenship Republic of Korea
Full Name of Second Assignor Sunggu JOE	Assignor's Signature	4 Y	Date 74/v , 54, 20/3
Address Donga Heights Apt. 112-1202, Korea	Shindang-4-dong, Jung-	-gu, Seoul.	Citizetship Republic of Korea
Names of additional inventors attached 🖄 Yes	□N≎		

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 (Application No. ______, filed the filing date and application number of said application when known.

Morgan, Lewis & Sockius LLP G.S. Patent & Trademark Office Substitute Form PTO/SB/01 (09-2012)

7		Assignor's Signature_}	- ठेवा	COM!	Dage 27, 2013				
	Hyeyoung HONG Address S01ho, Sadang-5-dong 187, Done	riok on Samul Korea		<u></u>	Citizenship				
-	Agorese 30100, Sadaug-3-doug 101, Doug	Hav-ga, scoar, morea			Republic of Korea	,			
200000	Na San Carlo								
3	Names of additional inventors attached TYES	(XINO	000000000000000000000000000000000000000	************	***************************************	3			

Morgan, Lewis & Bockius LLP U.S. Patent & Trademark Office Substitute Form PTO/S8/01 (09-2022)

ATTORNEY DOCKET NO.:
SOLEJOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

TELEVISION RECEIVER

fo	or which L	WI	executed	lan	application	for	United	States L	etters	Patent	concurrently	herewith:	or l	iled	an
					Letters Pat										

WHEREAS, LG ELECTRONICS INC., a corporation of Republic 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 assignce, 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 Power of Attorney in this application, to in) the filing date and application	n No known.	, filed		
IN TESTIMONY WHEREOF, I/WE h		and the state of t		
Full Name of Sole or First Assignor Hyunbyung CHA	Assignor's Signature	VZ	Date 11. 06 120/9	
Address Hyochang Park Purgio Apt. 107- Yongsan-gu, Seoul, Korea	1202. Hyochang-dong,		Citizenship Republic of Korca	
Full Name of Second Assignor Sunggu JOE	Assignor's Signature M	7	Date 2014 64 2013	
Address Donga Heights Apt. 112-1202, Korea	Shindang-4-dong, Jung-gu,	Seoul.	Citizeńship Republic of Korea	
Names of additional inventors attached XYes	No			

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration

Morgan, Lewis & Bockius U.P U.S. Patent & Trademark Office Substitute Form PTO/58/01 (09-2017)

Full Name of Second Assignor Hyeyoung HONG	Assignor's Signature	क्षा ल	Date June 27, 2013
Address 501ho, Sadang-5-dong 187, Dong		Citizenship Republic of Korea	
	F78.	And the second sec	
Names of additional inventors attached Yes	⊠No		erikkan program in der

PATENT REEL: 031031 FRAME: 0616

RECORDED: 08/16/2013