# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3143399

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date	
JANG HUI CHO	02/19/2014	
JEA YONG YOO	02/19/2014	
SUNG WAN PARK	02/19/2014	
MI HYUN KIM	02/19/2014	
KANG SOO SEO	01/14/2014	
SOUNG HYUN UM	02/19/2014	
BYUNG JIN KIM	02/13/2014	

## **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

## **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	14567385		

## **CORRESPONDENCE DATA**

**Fax Number:** (202)496-7756

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 202.496.7500

Email: mlapto@mckennalong.com

Correspondent Name: MCKENNA LONG & ALDRIDGE LLP

Address Line 1: 1900 K STREET, NW

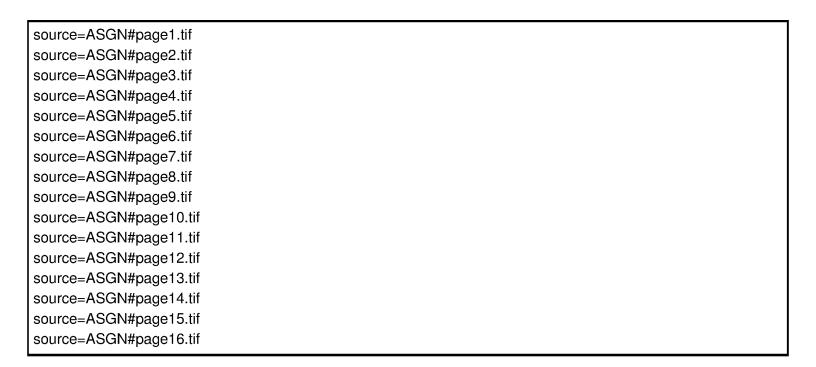
Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8736.01100.US24
NAME OF SUBMITTER:	YONG S. CHOI
SIGNATURE:	/Yong S. Choi/
DATE SIGNED:	12/11/2014

**Total Attachments: 16** 

REEL: 034481 FRAME: 0001

PATENT



#### DECLARATION AND ASSIGNMENT<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

# RECORDING MEDIUM CONTAINING MOVING PICTURE DATA AND ADDITIONAL INFORMATION THEREOF AND REPRODUCING METHOD AND APPARATUS OF THE RECORDING MEDIUM

This declaration is dir	rected to (check one):
	The attached application, or
$\boxtimes$	United States application no. 14/152,474 filed on January 10, 2014.

The above-identified application was made or authorized to be made by me.

As a below named inventor. I hereby declare that:

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to LG ELECTRONICS INC., 20, YOIDO-DONG, YOUNGDUNGPO-GU, SEOUL, REPUBLIC OF KOREA (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as

<sup>&</sup>lt;sup>1</sup> This form requires an ADS if one has not yet been filed.

#### **DECLARATION AND ASSIGNMENT**

described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license, agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in

Page 2 of 4

## **DECLARATION AND ASSIGNMENT**

order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Long Hui CHO Chois
Jang Hui CHO
February 19, 2014 Dated
Jea Yong YOO
Jea Yong YOO
February 19, 2014
Dated
Sung Wan PARK
Dated
2
Crip
Mi Hyun KiM
February 19, 2014
Dated
Kang Soo SEO
Dated

# **DECLARATION AND ASSIGNMENT**

Soung Hyun UM	Um
Soung Hyun UM	
February 19, 2014	
Dated	
Byung Jin KIM	
Dated	
2045653-2	

Page 4 of 4

#### DECLARATION AND ASSIGNMENT<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

# RECORDING MEDIUM CONTAINING MOVING PICTURE DATA AND ADDITIONAL INFORMATION THEREOF AND REPRODUCING METHOD AND APPARATUS OF THE RECORDING MEDIUM

As a below named inventor, I hereby declare that:			
This declar	ation is d	irected to (check one):	
		The attached application, or	
	$\boxtimes$	United States application no. 14/152,474 filed on January 10, 2014.	
The above	-identified	d application was made or authorized to be made by me.	
l boliova th	ant I am t	he original inventor or an original joint inventor of a claimed invention in th	

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to LG ELECTRONICS INC., 20, YOIDO-DONG, YOUNGDUNGPO-GU, SEOUL, REPUBLIC OF KOREA (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as

<sup>&</sup>lt;sup>1</sup> This form requires an ADS if one has not yet been filed.

#### **DECLARATION AND ASSIGNMENT**

described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license, agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in

Page 2 of 4

# **DECLARATION AND ASSIGNMENT**

order to comply with the rules of the U.S.	Patent and Tra	demark Office	for recordation of the	his
document.				
Jang Hui CHO	-			
-				
Dated	_			
Jea Yong YOO	-			
Dated	•			
Dated				
	-			
Sung WarrPARK				
Sung Warf PARK.  Theb. 14, 2014.				
Dated	<del></del>			
Mi Hyun KIM	<b>-</b>			
Dated	<del></del>			
Kang Soo SEO	-			
Dated				
Soung Hyun UM	-			

## **DECLARATION AND ASSIGNMENT**

Dated				
Byung Jin KIM		<del></del>		
Dated	·	ing garden de de la companya de la c	•	
2045853.2				

Page 4 of 4

#### DECLARATION AND ASSIGNMENT<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

# RECORDING MEDIUM CONTAINING MOVING PICTURE DATA AND ADDITIONAL INFORMATION THEREOF AND REPRODUCING METHOD AND APPARATUS OF THE RECORDING MEDIUM

As a below named inventor, I hereby declare that:		
This declaration is dir	ected to (check one):	
	The attached application, or	
$\boxtimes$	United States application no. 14/152,474 filed on January 10, 2014.	

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to LG ELECTRONICS INC., 20, YOIDO-DONG, YOUNGDUNGPO-GU, SEOUL, REPUBLIC OF KOREA (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as

<sup>1</sup> This form requires an ADS if one has not yet been filed.

## **DECLARATION AND ASSIGNMENT**

described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license, agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in

Page 2 of 4

# **DECLARATION AND ASSIGNMENT**

order to comply with the rules of the U.S. I document.	Patent and	Trademark	Office for	recordation of this
Jang Hui CHO	-			
Dated	-			
Jea Yong YOO	<b></b>			
Dated	-			
Sung Wan PARK	<b></b>			
Dated				
Mi Hyun KIM				
Dated				
Kang Soo SEO	<b></b>			
Jan. 14, 7814				
Soung Hyun UM	<del></del>			

# **DECLARATION AND ASSIGNMENT**

Dated		 
Byung Jin KIM	**************************************	 
Dated		
20.45050.0		
2045653.2		

Page 4 of 4

### **DECLARATION AND ASSIGNMENT<sup>1</sup>**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

# RECORDING MEDIUM CONTAINING MOVING PICTURE DATA AND ADDITIONAL INFORMATION THEREOF AND REPRODUCING METHOD AND APPARATUS OF THE RECORDING MEDIUM

As a below named in	/entor, i nereby declare that:
This declaration is dire	ected to (check one):
	The attached application, or
$\boxtimes$	United States application no. 14/152,474 filed on January 10, 2014.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge. I hereby confirm any prior assignment to LG ELECTRONICS INC., 20, YOIDO-DONG, YOUNGDUNGPO-GU, SEOUL, REPUBLIC OF KOREA (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as

<sup>&</sup>lt;sup>1</sup> This form requires an ADS if one has not yet been filed.

#### **DECLARATION AND ASSIGNMENT**

described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license, agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in

Page 2 of 4

## **DECLARATION AND ASSIGNMENT**

order to comply with the rules of the U.S.	Patent and T	rademark	Office for	recordation	of this
document.					
Jang Hui CHO					
Dated					
Dated					
Jea Yong YOO	-				
Dated					
Sung Wan PARK	<del>~~</del>				
Dated	~~~				
Mi Hyun KIM					
	<b></b>				
Dated					
Kang Soo SEO					
•					
Dated					
- DELOG					
Soung Hyun UM					

## **DECLARATION AND ASSIGNMENT**

Byung Jin KIM

2045653 2

Page 4 of 4

PATENT REEL: 034481 FRAME: 0018

**RECORDED: 12/11/2014**