10/28/2014 503038366

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3084965

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seungwook PARK	05/12/2014
Jaehyun LIM	05/12/2014
Yongjoon JEON	05/12/2014
Chulkeun KIM	05/12/2014
Jungsun KIM	05/24/2014
Naeri PARK	05/22/2014
Hendry HENDRY	05/22/2014
Byeongmoon JEON	05/23/2014
Joonyoung PARK	08/05/2014

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:	14356314

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: (617) 542-5070 Email: apsi@fr.com

Correspondent Name: INDRANIL SARKAR

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 21613-0118US1	
NAME OF SUBMITTER:	PAMELA J. MORRIS

SIGNATURE:	/Pamela J. Morris/	
DATE SIGNED:	10/28/2014	
Total Attachments: 12		
source=0118US1_ExecutedAssignment#page1.tif		
source=0118US1_ExecutedAssignment#page2.tif		
source=0118US1_ExecutedAssignment#page3.tif		
source=0118US1_ExecutedAssignment#page4.tif		
source=0118US1_ExecutedAssignment#page5.tif		
source=0118US1_ExecutedAssignment#page6.tif		
source=0118US1_ExecutedAssignment#page7.tif		
source=0118US1_ExecutedAssignment#page8.tif		
source=0118US1_ExecutedAssignment#page9.tif		
source=0118US1_ExecutedAssignment#page10.tif		
source=0118US1_ExecutedAssignment#page11.tif		
source=0118US1_ExecutedAssignment#page12.tif		

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM, YONGJOON

JEON, CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY,

BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG

Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu. Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

and	Date: 2014. 5.12
Seungwook PARK	
- Agrican	Date: 2014, 5.12
Jaehyun LIM	
1 h	Date: 2014.5./2
Yongjoon JEON	
	Date: 20/4. 5. 12
Chulkeun KIM	
W	Date:
Jungsun KIM	
	Date:
Naeri PARK	
***************************************	Date:
Hendry HENDRY	
	Date:
Byeongmoon JEON	
***************************************	Date:
Joonyoung PARK	
The Assignee hereby ac	knowledges and accepts the foregoing assignment.
Assignee: LG ELECTR	ONICS INC.
Signature:	Me M2 Date: August 11, 2014
Name: Sungsam	
Title: /P MANA	GER

41002820.doc

Assignment Page 2 of 2

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM, YONGJOON JEON, CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY,

BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG

Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Seungwook PARK	Date:
Jaehyun LIM	Date:
	_
Yongjoon JEON	Date:
	Date:
Chulkeun KIM	
hit h	Date: 2014, 5.24
Jungsun KIM	
Naeri PARK	Date:
110027.72 (1886)	
Hendry HENDRY	Date:
	Date:
Byeongmoon JEON	
Joonyoung PARK	Date:
erri A ' N S 3 N S	
The Assignee hereby acknowledges an	id accepts the foregoing assignment.
Assignee: LG ELECTRONICS INC.	
Signature: M M NZ	Date: August 11, 2014
Signature: M M MZ Name: Sungsam Suh	20000000000000000000000000000000000000
Title: IP MANAGER	

41002820.doc

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM, YONGJOON JEON, CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY,

BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG

Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Seungwook PARK	Date:
Jaehyun LIM	Date:
Yongjoon JEON	Date:
Chulkeun KIM	Date:
Jungsun KIM	Date:
Naeri PARK	Date:
Hendry HENDRY	Date:
Byeongmoon JEON	Date:
Joonyoung PARK	Date:
Assignee: LG ELECTRO	Suh Date: August 11, 2014
41002820.doc	

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM. YONGJOON JEON.

CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY.

BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG

Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

иниппиничення при	Date:
Seungwook PARK	
	Date:
Jaehyun LIM	
_	Date:
Yongjoon JEON	
	Date:
Chulkeun KIM	
Jungsun KIM	Date:
Jungsun Kiivi	
Naeri PARK o	Date:
	Date: May 22, 2014
Hendry HENDRY	Date:
	Date:
Byeongmoon JEON	
	Date:
Joonyoung PARK	
The Assignee hereby ac	thowledges and accepts the foregoing assignment.
Assignee: LG ELECTR	ONICS INC.
Signature:	M M Date: August 11, 2014
Name: Sungsam	Suh
Title: /P MANA	YER

41002820.doc

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM, YONGJOON JEON, CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY,

BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG

Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	Date:
Seungwook PARK	
	Date:
Jaehyun LIM	
	Date:
Yongjoon JEON	
C) 21 TYY 5	Date:
Chulkeun KIM	
Jungsun KIM	Date:
	D. d. v.
Naeri PARK	Date:
	Date:
Hendry HENDRY	
Byeongmoon JEON	Date: 2014, 5. 23
Byeongmoon JEON	
Joonyoung PARK	Date:
300nyoung 121.cm	
The Assignee hereby acl	mowledges and accepts the foregoing assignment.
Assignee: LG ELECTRO	
Signature:	Mb M2 Date: August 11, 2014
Name: Sungsam	Suh
Title: /P MANA	4ER

41002820.doc

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEUNGWOOK PARK, JAEHYUN LIM, YONGJOON JEON, CHULKEUN KIM, JUNGSUN KIM, NAERI PARK, HENDRY HENDRY, BYEONGMOON JEON, and JOONYOUNG PARK, each individually assign to LG Electronics Inc., a corporation formed under the laws of Korea and having a principal place of business at 20 Yeouido-dong Yeongdeungpo-gu, Seoul 150-721 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE INFORMATION", and was filed in the United States Patent and Trademark Office on May 5, 2014, as application 14/356,314 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	Date:
Seungwook PARK	***************************************
	Date:
Jaehyun LIM	
Yongjoon JEON	Date:
NOAt noolgno t	
Chulkeun KIM	Date:
I WYN (Date:
Jungsun KIM	
Naeri PARK	Date:
Tr. J. DENTODAZ	Date:
Hendry HENDRY	
Byeongmoon JEON	Date:
Jodnyoung PARK	Date: Aug 5. 2014
Joonyoung rack	J
The Assignee hereby acknowledges and ac	ecents the foregoing assignment
Assignee: LG ELECTRONICS INC.	soopio nio lorogonig ossignistin
Signature: M M MZ	Date: August 11, 2014
Name: Sungsam Suh	44444444000000445**********************
Title: IP MANAGER	TO THE RESIDENCE AND A THE
41002820.doc	

RECORDED: 10/28/2014