PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jangwoong PARK	04/01/2013
Beomjin JEON	03/29/2013
Minsup LEE	04/04/2013

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:	13878390		

CORRESPONDENCE DATA

Fax Number: 7032058050

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

Phone: (703)205-8000

Email: mailroom@bskb.com, Kleithon.G.Sayson@bskb.com

Correspondent Name: Birch, Stewart, Kolasch & Birch, LLP

Address Line 1: P.O. Box 747

Address Line 4: Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	0465-3729PUS1
NAME OF SUBMITTER:	Kleithon Sayson
Signature:	/kleithon sayson/
Date:	04/09/2013

502304484 REEL: 030181 FRAME: 0219

P \$40.00 1387839

Total Attachments: 6

source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page1.tif source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page2.tif source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page3.tif source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page4.tif source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page5.tif source=2013-04-09_ASSIGNMENT_0465-3729PUS1#page6.tif

PATENT REEL: 030181 FRAME: 0220

LG Ref. : 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application N	o.:	13/878,390 Filed: April 8, 2013
insert Name(s) of inventor(s)	⇒	***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, PARK, Jangwoong; JEON, Beomjin and LEE, Minsup (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:
nsert Title of nvention	⇨	THREE-DIMENSIONAL GLASSES, THREE-DIMENSIONAL IMAGE DISPLAY APPARATUS, AND METHOD FOR DRIVING THE THREE-DIMENSIONAL GLASSES AND THE THREE-DIMENSIONAL IMAGE DISPLAY APPARATUS
		for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)
nsert Date of Signing of Appln.	⇒	on
nsert Name of Assignee	⇔	WHEREAS, LG ELECTRONICS INC.
nsert Address of Assignee	⇒	of 20, Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea,
		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	⇒	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

BIRCH, STEWART, KOLASCH & BIRCH, LLP

terms for which the same may be granted.

Page 1

LG Ref.: 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	4/1/2-013	Name of Inventor	(Signature) PARK, Jangwoong
Date		Name of Inventor	(Signature) JEON, Beomjin
Date		Name of Inventor	(Signature) LEE, Minsup

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Page 2

LG Ref. : 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application N	o.:	o.: 13/878,390 Filed:	April	8,	2013
nsert Name(s) of nventor(s)	⇒	***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, PARK, Jangwoong; JEON, Beomjin and LEE, Minsu (hereinafter designated as the undersigned) has (have) invented		w an	d useful improvements in:
nsert Title of invention	⇒	⇒ THREE-DIMENSIONAL GLASSES, THREE-DIMENSIONAL IMAGE FOR DRIVING THE THREE-DIMENSIONAL GLASSES AND THE APPARATUS			
		for which an application for Letters Patent of the United Statundersigned (except in the case of a provisional application)	tes of Ame	erica	has been executed by the
nsert Date of Signing of Appln.	⇒	⇒ on03/29/2013; 04/01/2013; 04	/04/20	13	; and
nsert Name of Assignee	⇒	⇒ WHEREAS, LG ELECTRONICS INC.			
nsert Address of Assignee	⇒	⇒ of 20, Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republi	ic of Korea,	•	
		its heirs, successors, legal representatives and assigns (hereinaft of acquiring the entire right, title and interest in and to said inv that may be granted therefor in the United States of America and	ention and		
Check Box if Appropriate	⇒	⇒ in any foreign countries.			
		NOW, THEREFORE, for good and valuable consideration, the the undersigned has (have) sold, assigned and transferred, an and transfer unto said Assignee the full and exclusive right to America, its territories, dependencies and possessions and the eand all Letters Patent(s) which may be granted therefor in the dependencies and possessions, and if the box above is designate any and all divisions, reissues, continuations, conversions an	d by these the said ir entire right e United Si ed, in any a	pres vent , title tates and a	sents does (do) sell, assign tion in the United States of e and interest in and to any of America, its territories, all foreign countries; and to

BIRCH, STEWART, KOLASCH & BIRCH, LLP

terms for which the same may be granted.

Page 1

LG Ref.: 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _		Name of Inventor	(Signature) PARK, Jangwoong	
Date _	Mar. 29-1. 2013	Name of Inventor	(Signature) JEON, Beomjin	
Ďate _	· · · · · · · · · · · · · · · · · · ·	Name of Inventor	(Signature) LEE, Minsup	

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Page 2

LG Ref. : 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application N	o.:	13/878,390	Filed:	April 8	3, 2013
Insert Name(s) of Inventor(s)	⇒	***(Given Name FAMILY NAME (ALL CAPS))' WHEREAS, PARK, Jangwoong; JEON, Beomji (hereinafter designated as the undersigned) ha	in and LEE, Mi		and useful improvements in:
Insert Title of Invention	➾	THREE-DIMENSIONAL GLASSES, THREE-DIM FOR DRIVING THE THREE-DIMENSIONAL GLAPPARATUS			
		for which an application for Letters Patent undersigned (except in the case of a provision			ca has been executed by the
Insert Date of Signing of Appln.	⇒	on03/29/2013; 04/	01/2013;	04/04/2013	3; and
Insert Name of Assignee	⇒	WHEREAS, LG ELECTRONICS INC.			
Insert Address of Assignee	⇒	of 20, Yeouido-dong, Yeongdeungpo-gu, Seou	ıl 150-721, Rep	ublic of Korea,	
		its heirs, successors, legal representatives and of acquiring the entire right, title and interest that may be granted therefor in the United Sta	in and to said	invention and i	
Check Box if Appropriate	⇒	in any foreign countries.			
		NOW, THEREFORE, for good and valuable of the undersigned has (have) sold, assigned an and transfer unto said Assignee the full and America, its territories, dependencies and pos and all Letters Patent(s) which may be grant dependencies and possessions, and if the box any and all divisions, reissues, continuation	nd transferred, exclusive right sessions and the ed therefor in above is desig	and by these put to the said involved in the said involved in the entire right, the United States and the United states and the united, in any and the entire in the entir	presents does (do) sell, assign ention in the United States of itle and interest in and to any tes of America, its territories, d all foreign countries; and to

BIRCH, STEWART, KOLASCH & BIRCH, LLP

terms for which the same may be granted.

Page 1

LG Ref.: 11FCVL318US02 KBK No. OPP-WZ-2011-0036-US-00

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Name of Inventor	(Signature) PARK, Jangwoong
Date		Name of Inventor	(Signature) JEON, Beomjin
Date	April 4. 2013	Name of Inventor	(Signature) LEPE, Minsup

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Page 2

BSKB-ASSIGN-SINGLE (09-12) EHC/EHC/jdb

RECORDED: 04/09/2013