502458439 08/14/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yeonwoo CHO	06/14/2013
Yanggyu KIM	06/07/2013
Younseok LEE	06/07/2013

RECEIVING PARTY DATA

Name:	LG Electronics Inc.		
Street Address:	treet 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:	13914950

CORRESPONDENCE DATA

Fax Number: 7037663644

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Correspondent Name: KED & ASSOCIATES, LLP

Address Line 1: P.O. Box 8638

Address Line 4: Reston, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	HI-0822
NAME OF SUBMITTER:	Daniel Y.J. Kim
Signature:	/Daniel Y.J. Kim/
Date:	08/14/2013

Total Attachments: 2

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PATENT REEL: 031010 FRAME: 0270 OP \$40.00 13914950

Docket No.: HI-0822

Name:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Yeonwoo CHO	(4)	
(2)	Yanggyu KIM	(5)	
(3)	Younseok LEE	(6)	

who have made a certain new and useful invention, hereby sell, assign and transfer unto

LG ELECTRONICS INC. 20 Yeouido-dong, Yeongdeungpo-gu Seoul 150-721 Republic of Korea

	Republic of Korea
its successors and assigns (hereinafter designated "ASSIO of America as defined in 35 U.S.C. 100 in the invention e	GNEE") the entire right, title and interest for the United States ntitled
REFR	[GERATOR] June 11, 2013
(a) for which an application for United States Letters Pat	ent was filed on, and identified by United States Serial No.; or 13/914, 950
(b) for which an application for United States Letters Par	tent was executed on,
any and all United States Letters Patent which may be gra extensions, divisions, reissues, substitutes, renewals, cor priority thereto, and the right to all benefits under the Int	nited States Commissioner of Patents and Trademarks to issue unted therefor and/or that claim priority thereto and any and all atinuations, or continuations-in-part thereof and/or that claim ternational Convention for the Protection of Industrial Property ts successors, assigns and legal representatives; the undersigned hereafter act on behalf of said ASSIGNEE;
application for and obtaining original, divisional, reissued of the said ASSIGNEE, its successors, assigns and legal r improvements, and applications for patent based thereon	a like interest, and to render all necessary assistance in making dor extended Letters Patent of the United States, upon request epresentatives, and without further remuneration, in and to any, growing out of or related to the said invention; and to execute as and legal representatives, deemed essential to ASSIGNEE's ansferred.
AND the undersigned hereby grants the firm assignment any further identification that may be necessal authority, including the United States Patent and Tradema	of KED & ASSOCIATES, LLP the power to insert on this ary or desirable in order to comply with the rules of any issuing ark Office, for recordation of this document.
SIGNED on the dates indicated aside our signatures:	
INVENTORS 1) Name: Yeonwoo CHO	DATE SIGNED Sune (4, 2013
2)Name: Yanggyu KIM	
Name: Younseok LEE	
4) Name:	
5) Name:	

PATENT REEL: 031010 FRAME: 0271 Docket No.:

HI-0822

ASSIGNMENT

	Ιn	consideration	of the	premises	and	other	good	and	valuable	consideration	in	hand	paid,	the	receipt	and
sufficience	v c	of which is here	eby ack	nowledge	d, the	unde:	rsigned	l,								

(1)	Yeonwoo CHO	(4)	
(2)	Yanggyu KIM	(5)	
(3)	Younseok LEE	(6)	Ui-10-10-10-10-10-10-10-10-10-10-10-10-10-

who have made a certain new and useful invention, hereby sell, assign and transfer unto

LG ELECTRONICS INC. 20 Yeouido-dong, Yeongdeungpo-gu Seoul 150-721 Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

INVENTORS		DATE SIGNED
1)	OHO	
Name: Yeonwoo 2)	CHO (A)	2013. 6.7
Name: Yanggyu K	wi fer	2013.6.7
Name: Younseok	LEE	2013 /
4) Name:		
5) Name:		
6) Name:		

PATENT REEL: 031010 FRAME: 0272

RECORDED: 08/14/2013