502584186 11/26/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2630274

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUCKCHEL YANG	10/15/2013
MINGYU KIM	11/13/2013
JOONKUI AHN	10/15/2013
DONGYOUN SEO	10/15/2013

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:	14122125

CORRESPONDENCE DATA

Fax Number: (703)205-8050 **Phone**: (703)205-8000

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Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ATTORNEY DOCKET NUMBER:	0465-4063PUS1
NAME OF SUBMITTER:	KLEITHON SAYSON
Signature:	/kleithon sayson/
	PATENT

502584186 REEL: 031682 FRAME: 0165

OP \$40,00 14122125

Date:	11/26/2013
Total Attachments: 4 source=2013-11-26_ASSIGNMENT_0465-4063PUS1#page1.tif source=2013-11-26_ASSIGNMENT_0465-4063PUS1#page2.tif source=2013-11-26_ASSIGNMENT_0465-4063PUS1#page3.tif source=2013-11-26_ASSIGNMENT_0465-4063PUS1#page4.tif	

PATENT REEL: 031682 FRAME: 0166

KBK Ref.: OPP-TZ-2012-0230-US-00

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

ASSIGNMENT

Application No.	14/122,125	·	Filed _	November 25, 2013
Insert Name(s) of Inventor(s)	**	*(Given Name FAMILY NAME (ALL CA	PS))***
V. 2 (0)		, , ,	-	oonkui and SEO, Dongyoun (hereinaften new and useful improvements in:
Insert Title of Invention	SAME for which an applicati		nited S	RMATION AND APPARATUS FOR tates of America has been executed by the
Insert Date	on	10/15/2013; 11/13	-	
of Signing of Application Insert Name of Assignee Insert Address	CTRONICS INC. , Yeongdeungpo-gu, Seoul 15	50-721 I	Republic of Korea	
of Assignee CHECK BOX	desirous of acquiring	the entire right, title and interegranted therefor in the United S	st in and	nereinafter designated as the Assignee) in dit to said invention and in and to any Letter of America and
IF APPROPRIATE	paid, the receipt of vundersigned has (have transfer unto said As America, its territorie any and all Letters)	which is hereby acknowledge ve) sold, assigned and transfe signee the full and exclusive ss, dependencies and possession Patent(s) which may be gran	d, and our red, and right to ons and the	Dollars (\$10.00) to the undersigned in hamother good and valuable consideration, that by these presents does sell, assign and the said invention in the United States of the entire right, title and interest in and the trefor in the United States of America, it above is designated, in any and all foreign
		ivisions, reissues, continuation ch the same may be granted.	ns, conv	versions and extensions thereof for the fu

Attorney Docket No.: 0465-4063PUS1

12FCCM582US02

KBK Ref.: OPP-TZ-2012-0230-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 Letter 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 Patents 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	2013.10.15	Name of Inventor	me
			(signature) YANG, Suckchel
Date		Name of Inventor	(signature) KIM, Mingyu
Date	2013,10,15	Name of Inventor	(signature) AHN, Joonkui
Date	2013.00.16	Name of Inventor	(signature) SEO. Dongyoun

Attorney Docket No.: 0465-4063PUS1

12FCCM582US02

KBK Ref.: OPP-TZ-2012-0230-US-00

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UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.	14/122,125	Filed	November 25, 2013	
Insert Name(s) of Inventor(s)	***(Given Name FAMII	LY NAME (ALL CA)	PS))***	
,	WHEREAS, YANG, Suckehel, KIM, Mesignated as the undersigned) has (have	Mingyu, AHN, Jo) invented certain n	onkui and SEO, Dongyoun (hereinafter ew and useful improvements in:	
Insert Title of Invention	METHOD FOR TRANSMITTING C SAME	ONTROL INFO	RMATION AND APPARATUS FOR	
	for which an application for Letters Pater undersigned (except in the case of a provis		ates of America has been executed by the	
Insert Date of Signing of	on10/15/2013;	11/13/2013	; and	
Application Insert Name of Assignee	WHEREAS, LG ELECTRONICS INC.			
Insert Address	of 20 Yeouido-dong, Yeongdeungpo-g	u, Seoul 150-721 F	Republic of Korea	
of Assignee CHECK BOX	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			
IF APPROPRIATE		f the sum of Ten I	Pollars (\$10.00) to the undersigned in hand	
	paid, the receipt of which is hereby ac undersigned has (have) sold, assigned transfer unto said Assignee the full and America, its territories, dependencies an any and all Letters Patent(s) which me	knowledged, and of and transferred, are exclusive right to d possessions and ay be granted the	other good and valuable consideration, the ad by these presents does sell, assign and the said invention in the United States of the entire right, title and interest in and to refor in the United States of America, its above is designated, in any and all foreign	
	and to any and all divisions, reissues, of term or terms for which the same may be		versions and extensions thereof for the full	

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

Date	Name of Inventor	(signature) YANG, Suckchel
Date	Name of Inventor	(signature) KIM, Mingyu
Date	Name of Inventor	(signature) AHN, Joonkui
Date	Name of Inventor	(signature) SEO, Dongyoun

Birch, Stewart, Kolasch & Birch, LLP