504157954 12/29/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOON YOUNG PARK	03/05/2015
SEUNG WOOK PARK	03/03/2015
JAE HYUN LIM	03/03/2015
JUNG SUN KIM	03/23/2015
YOUNG HEE CHOI	03/12/2015
BYEONG MOON JEON	03/19/2015
YONG JOON JEON	03/03/2015

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:	15393716

CORRESPONDENCE DATA

Fax Number:

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: 202-4967500

Email: mlaip@dentons.com

Correspondent Name: DENTONS US LLP

Address Line 1: 1900 K STREET, N.W.

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8736.01240.US23
NAME OF SUBMITTER:	YONG S. CHOI
SIGNATURE:	/Yong S. Choi/
DATE SIGNED:	12/29/2016

PATENT REEL: 040803 FRAME: 0780

Total Attachments: 10 source=873601240US23_Assignment#page1.tif source=873601240US23_Assignment#page2.tif source=873601240US23_Assignment#page3.tif source=873601240US23_Assignment#page4.tif source=873601240US23_Assignment#page5.tif source=873601240US23_Assignment#page6.tif source=873601240US23_Assignment#page7.tif source=873601240US23_Assignment#page8.tif source=873601240US23_Assignment#page9.tif source=873601240US23_Assignment#page9.tif

PATENT REEL: 040803 FRAME: 0781

WHEREAS,	I (WE)	LIM, Jae E		K, Seung Wook; g Sun; CHOI, Yo IEON, Yong Joo	€)Çş
					, respe	ctively,
have invented cert	ain new a	nd useful im	provements in:			
for which an appli	***************************************	US	SING SAME	PREDICTOR ANI	DEVIC	Œ
(Application No.	14/673,0)29	, Filed	March 30, 2015	***************************************), and
WHEREAS,	LG ELI	ECTRONIC	S INC.	печенения попечения попечения попечения в попе	-Ai-H-i-dinananananan	1
(hereinafter referre 128, Yeoui-daero,						

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Mar 4. 2019.	
	(Signature of Inventor) PARK, Joon Young
Date:	(Signature of Inventor)
	PARK, Seung Wook
Date:	
	(Signature of Inventor)
	LIM, Jae Hyun
Date:	
	(Signsture of Inventor)
	KIM, Jung Sun
	•
Date:	
	(Signature of inventor)
	CHOI, Young Hee
Date:	
## \$65.4.5	(Signature of Inventor)
	JEON, Byeong Moon
Date:	
Walve .	(Signature of Inventor)
	JEON, Vang Jaan

McKenna Long & Aldridge LLP Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

e e e e e e e e e e e e e e e e e e e	JEON, Byed	ong Moon and J	EUN, Yong Joor	n, respectively,
1	1 1			, respectively,
nave invented cert	tain new and useful imp	rovements in:		
METHOD F	OR SELECTING MOT	ION VECTOR P	REDICTOR AND	DEVICE
	US	ING SAME		
for which an appli	cation for Letters Paten	it was executed or	1	*******************************
(Application No.	14/673,029	, Filed	March 30, 2015), and
WHEREAS,	LG ELECTRONICS	SINC.		MANA didirecta de la constanta de la constant
	ed to as "ASSIGNEE") Yeongdeungpo-gu, Sec			

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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Date:	
SKRIGKINIMAAAAKKI ********************************	(Signature of Investor)
	PARK, Joon Young
Date: 2015, 3, 3	(Signature of Inventor)
	PARK, Seung Wook
Date: 2015.3.3	LANDA .
L/ 666%3	(Signature of Inventor)
	LIM, Jae Hyun
	*
Date:	
	(Signature of Inventor) KIM, Jung Sun
Date:	
	(Signature of Inventor)
	CHOI, Young Hee
Date:	(Signature of Inventor)
	JEON, Byeong Moon
Date: % (5 . 3 . 3	
	(Signature of Inveptor) IFON Vong Joon
	RECEDIN VANO SAAN

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

WHEREAS,	L	IM, Jae Hyun;	KIM, Jung	I, Seung Wook; Sun; CHOI, Yo EON, Yong Joo		e;
		:нининининийниниййнинининиййгүчдэг;	**************************************		, respec	tively,
have invented cert	ain new and	useful improver	ments in:		4	
for which an appli		USING	SAME	REDICTOR ANI	D DEVIC	·E

(Application No.	14/673,029		, Filed	March 30, 2015	,)), and
WHEREAS,	LG ELEC	TRONICS INC	~**		<u>innananananananan</u>	
(hereinafter referre 128, Yeoui-daero,						***************************************

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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Date:	
	(Signature of Inventor) PARK, Joon Young
Date:	(Signature of Inventor) PARK, Seung Wook
Date:	(Signature of Inventor)
Date: 3/23/2015	LIM, Jae Hyun (Signature of liventor)
Daic:	KIM, Jung Sun (Signature of Inventor)
Date:	CHOI, Young Hee (Signature of Investor) JEON, Byeong Moon
Date:	(Signature of Inventor) JEON, Yong Jeon

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

Page 2 of 2

WHEREAS,	I (WE)	E) PARK, Joon Young; PARK, Seung Wook; LIM, Jae Hyun; KIM, Jung Sun; CHOI, Young Hee; JEON, Byeong Moon and JEON, Yong Joon				
		- COLUMN	***************************************		, respectively,	
have invented cert	ain new a	ınd useful im	provements in:		dannan dan dan dan dan dan dan dan dan d	
for which an appli		U	TION VECTOR P SING SAME ent was executed o) DEVICE	
(Application No.	14/673,0	29	, Filed	March 30, 2015), and	
WHEREAS,	LGEL	ECTRONIC	CS INC.	waw na waka na kana ka		
(hereinafter referre 128, Yeoui-daero,) having a place or eoul, 150-721, Rep			

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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Date:		
	(Signature of Inventor) PARK, Joon Young	
Date:	(Signature of Inventor) PARK, Seung Wook	
Date:	(Signature of Inventor) LIVI, Jac Hyun	
Date:	(Signature of Inventor) KIM, Jung Sun	
Date: 12th Mar. 2015	Signature of Inventor) CHOI, Young Hee	
Date:	(Signature of Inventor) JEON, Byeong Moon	
Date:	(Signature of inventor) JEON, Yong Joon	

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

WHEREAS,	` ´ 1	LIM, Jae l	on Young; PARI Hyun; KIM, Jung eong Moon and J	g Sun; CHOI, Yo	
					, respectively,
have invented cert	ain new an	d useful im	provements in:		<u> </u>
METHOD F	OR SELEC		TION VECTOR F SING SAME	REDICTOR ANI) DEVICE
for which an appli	cation for I	Letters Pate	ent was executed o	on	
(Application No.	14/673,029	9	, Filed	March 30, 2015), and
WHEREAS,	LG ELE	CTRONIC	S INC.		
(hereinafter referre	ed to as "A!	SSIGNEE') having a place o	f business at:	***********************************

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128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea

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Date:	
	(Signature of Inventor) PARK, Joon Young
Date:	(Signature of Inventor)
	PARK, Seung Wook
Date:	(Signature of Inventor) LIM, Jae Hyun
Date;	(Signature of Inventor) KIM, Jung Sun
Date:	(Signature of Inventor)
Date: March. 1946. 2015	CHOI, Young Hee
Date:	JEON, Byeging Moon (Signature of laventor)
	JEON, Yong Joon

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2