503299225 05/08/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3345843

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAE WON LEE	09/11/2009
BONG HOE KIM	09/11/2009
YOUNG WOO YUN	09/11/2009
KI JUN KIM	09/11/2009
DONG WOOK ROH	09/11/2009
SUK HYON YOON	09/17/2009
JOON KUI AHN	09/11/2009
DONG YOUN SEO	09/11/2009
HAK SEON KIM	09/17/2009
JUNG HOON LEE	09/10/2009
EUN SUN KIM	09/11/2009
SUNG DUK CHOI	09/13/2009

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.	
Street Address:	128, YEOUI-DAERO	
Internal Address:	YEONGDEUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	150-721	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14707670

CORRESPONDENCE DATA

Fax Number: (202)496-7756

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: 202.496.7500

Email: mlapto@mckennalong.com

Correspondent Name: MCKENNA LONG & ALDRIDGE LLP

Address Line 1: 1900 K STREET, NW

PATENT

503299225 REEL: 035598 FRAME: 0652

Address Line 4: WAS	SHINGTON, D.C. 20006	
ATTORNEY DOCKET NUMBER:	8737.00240.US26	
NAME OF SUBMITTER:	MARK R. KRESLOFF	
SIGNATURE:	/Mark R. Kresloff, Reg. No. 42,766/	
DATE SIGNED:	05/08/2015	
Total Attachments: 9 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif		
source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page8.tif		

PATENT REEL: 035598 FRAME: 0653

Assignment of Application

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provements in:	
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NG ACK/NACK SI NICATION SYSTE	IGNAL IN MOBILE M
ent was executed on	
1	ICATION SYSTE

(Application No.	, Filed), and
WHEREAS,	LG ELECTRONICS INC.	
(hereinafter referre	d to as "ASSIGNEE") having a place of business at:	
20, Yoido-dong, Y	Coungdungpo-gu, Seoul 150-721, Republic of Korea	

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.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and

Page 1 of 3

TZ08-41(08FCCM057)

enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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:	
	(Signature of Inventor)
	LEE, Dae Won
	· ·
Date:	
Date.	(Signature of Inventor)
	KIM, Bong Hoe
Date:	(Signature of Inventor)
	YUN, Young Woo
Date:	
	(Signature of Inventor)
	KIM, Ki Jun
	A
Date: Sep11, 2009	Dongwoode Roh
Date.	(Signature of Viryentor)
	KUH, Dong Wook
	ROH, Dong Wook
	ROH, Dong Wook
	KOH, Dong Wook
Date:	
Date:	(Signature of Inventor)
Date:	
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor) YOON, Suk Hyon
	(Signature of Inventor) YOON, Suk Hyon (Signature of Inventor)
	(Signature of Inventor) YOON, Suk Hyon
	(Signature of Inventor) YOON, Suk Hyon (Signature of Inventor)
	(Signature of Inventor) YOON, Suk Hyon (Signature of Inventor)
Date:	(Signature of Inventor) YOON, Suk Hyon (Signature of Inventor)
	(Signature of Inventor) YOON, Suk Hyon (Signature of Inventor)

Page 2 of 3

TZ.08-41(08FCCM057)	
Dute:	(Signature of Inventor)
	KIM, Hak Seong
Date: 09/10/2069	2/4
	(Signature of Inventor) LEE, Jung Hoon
Date:	
Dutc.	(Signature of Inventor) KIM, Eun Sun
Date:	(Signature of Inventor)
	CHOI, Sung Duk

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

Assignment of Application

WHEREAS, I (WE) LEE, Dae Won; KIM, Bong Hoe; YUN, Young Woo; KIM, Ki Jun; ROII, Dong Wook; YOON, Suk Hyon; AHN, Joon Kui; SEO, Dong Youn; KIM, Hak Seong; LEE, Jung Hoon; KIM, Eun Sun and CHOI, Sung D			n; ig;				
		<u> </u>				, respe	ctively,
have invented cert	ain new a	and useful improvem	ents in:				
A METI	IOD FO	R RECEIVING AC COMMUNICATI			IN M	OBILE	
for which an appli	cation for	r Letters Patent was o	executed	on			
(Application No.			, Filed), and
WHEREAS,	LG EL	ECTRONICS INC.					
(hereinafter referre	ed to as ".	ASSIGNEE") having	a place	of business	s at:		
20. Yoido-dong,	Youngdu	ngpo-gu, Seoul 150-	721, Rep	oublic of K	orea		

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Date:	SEP 11, 2009	(Signature of Inventor) LEE, Dae Won
Date:	SEP 11, 2009	(Signature of Inventor) KIM, Bong Hoe
Date:	SEP 11. 200)	(Signature Inventor) YUN, Young Woo
Date:	Sep. 11, 200 f	(Signature of Inventor) KIM, Ki Jun
Date:	· · · · · · · · · · · · · · · · · · ·	(Signature of Inventor) ROH, Dong Wook
Date:	Sep. 17. 2009	(Signature of Inventor) YOON, Suk Hyon
Date:	Sep. 11, 2009	(Signature of twentor). AHN, Joon Kui
Date:	Seg. 11. 2009	(Signature of Inventor) SEO, Dong Youn

Page 2 of 3

1208-41(08FCCM057) Date: 200 P. 17	(Signature of Inventor)
Date:	KIM, Hak Seong (Signature of Inventor)
Date: Sep. 11 . 2009	LEE, Jung Hoon
	(Signature of Inventor) KIM, Eun Sun
Date:	(Signature of Inventor) CHOI, Sung Duk

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

Assignment of Application

WHEREAS,	I (WE)	LEE, Dae Won; KIM, Bong Hoe; YUN, Young Woo; KIM, Ki Jun; ROH, Dong Wook; YOON, Suk Hyon; AIIN, Joon Kui; SEO, Dong Youn; KIM, Hak Seong; LEE, Jung Hoon; KIM, Eun Sun and CHOI, Sung Duk			
					, respectively,
have invented cert	ain new a	and useful improvement	nts in:		
A METI	IOD FOI	R RECEIVING ACK COMMUNICATIO			MOBILE
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(Atiti NI-	·				
(Application No.			, Filed), and
WHEREAS,	LG EL	ECTRONICS INC.			
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Date:	
	(Signature of Inventor) LEE, Date Work
Date:	
	(Signature of Inventor) KIM, Bong Hoe
Date:	(Signature of Inventor)
	YUN, Young Woo
Date:	
	(Signatura of Inventor) KIM, Ki Jun
Date:	
	(Signature of liventor) ROH, Dong Wook
Date:	
	(Signature of idventors). YOON, Suk Hyon
Date:	
	(Signature of Inventor) AHN, Joon Kuir
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Date:	일본 기술에 되었다. 그렇게 되었다.
	(Signature of Inventor) SEO, Dong Youn

Page 2 of 3

TZ08-41(08FCCM057)	
Date:	
	(Signature of Inventor) KIM, Hak Seong
Date:	
	(Signature of Inventor) LEE, Jung Hoon
Date;	<u></u>
	(Signature of faventor) KIM, Eun Sun
Date: 09 -/3 - 2009	Jan
	(Signature of Inventor) CHOL Strate Disk

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

Page 3 of 3