502013997 08/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Eun Sun KIM	07/16/2012
Yong Ho SEOK	07/03/2012
Byeong Woo KANG	07/02/2012
Dae Won LEE	07/02/2012

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:	13577210		

CORRESPONDENCE DATA

Fax Number:

213-623-2221 Phone: uspto@lhlaw.com Email:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

LEE, HONG, DEGERMAN, KANG & WAIMEY Correspondent Name:

Address Line 1: 660 S. FIGUEROA STREET

Suite 2300 Address Line 2:

Address Line 4: LOS ANGELES, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER: 2101-5304 NAME OF SUBMITTER: Harry S. Lee

PATENT

REEL: 028723 FRAME: 0885

Total Attachments: 4

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ASSIGNMENT

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(1-8)	Insert Name(s) of Inventor(s)	(1) 1	(IM, Eun Sun	(5)	e⊀ ,	
		(2)	SEOK, Yong Ho	(6)		
		(3) !	(ANG, Byeong Woo	(7)		
		(4)	.EE, Dae Won	(8)		
		con and	onsideration of the sum siderations paid to each o hereby does assign, trans	of the undersigner ofer and set over t	d, the undersigned ag	
(9)	Insert name of Assignee		LG ELECTRONICS INC	<u> </u>		
(10)	Insert state of Incorporation of Assignee	(10)	Republic of Korea			
(11)	Insert address of Assignee	(11)	20 Yeouido-dong, Yeou	ngdeungpo-gu, S	eoul 150-721 Republi	c of Korea
			einafter designated as the e invention known as	: Assignee) the er	ntire worldwide right, ti	itle and interest
(12) Insert identification of Invention, such as Title, Case Number or			(12) CHANNEL ACCESS METHOD AND APPARATUS IN WIRELESS LOCAL AREA NETWORK SYSTEM			
	Foreign Application Number	for v Stat	olication Serial No. which the undersigned has es of America and all pate eto or based thereon.) s (have) executed ent applications in	an application for pat foreign countries con	ent in the United responding
(13)	Insert Date of Signing of Application	(13)				
and assig	The undersigned continuing United States and nments in connection with such	foreign	o execute all papers nece applications for the abo ons as the Assignee may i	ive-identified inve	ention and also to e	eissue, divisional execute separate
decia in obt	The undersigned ared concerning this application taking evidence and going forward poing forward.	or continu	o execute all papers nece lation or division thereof a luch interference.	ssary in connecti and to cooperate v	on with any interferen vith the Assignes in e	ice which may be very way possible
in cor	3) The undersigned annection with claims or provision	igree(s) to	n execute all papers and criternational Convention fo	locuments and pe or Protection of In	irform any act which n dustrial Property or sii	nay be necessary milar agreements.
Unite	4) The undersigned d States patent to the Assigned		o perform all affirmative a	cts which may be	necessary to obtain	a grant of a valid
said intere The this	5) The undersigned into of the United States resulting Assignee, as Assignee of the cest herein assigned, and that he undersigned hereby appoint assignment any further identifulated States Patent and Transport	g from sa entire inte has (the) s the Att ification i	rest, and hereby covenan rhave) not executed any : orne ys Associated wi which may be necessar	sion or divisions of ts that he has (if agreement in cont th Customer N y or desirable in	or continuing application to have) full right to flict herewith. o. 035864 the power torder to comply with the comply with the power to comply with the complex the complex with the	ons thereof to the convey the entire er to insert on
Date:	Sign	ature of I	ventor			
Date	July \$3, 2012. Sign	ature of I	rventor 42			nicolina de la companya de la compa
Date			rventor			·····
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(1-8)	Insert Name(s) of Invent	or(s) (1) k	IM, Eun Son. , Soc. e -	(5)	
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			ANG, Byeong Woo	² (7)	
		707 7	.EE, Dae Won	(8)	
		*	······		
		cons		of the undersigned, th	and other good and valuable e undersigned agree(s) to assign,
(9)	Insert name of Assignee	(9)	LG ELECTRONICS IN	C.	
(10)	Insert state of Incorporat Assignee	ion of (10)	Republic of Korea		
(11)	Insert address of Assign	99 (11)	20 Yeouido-dong, Yeo	ungdeungpo-gu, Seoui	150-721 Republic of Korea
			einafter designated as th e invention known as	e Assignee) the entire	worldwide right, title and interest
(12)	Insert identification of Inv such as Title, Case Num Foreign Application Num	beror ARE	CHANNEL ACCESS MI A NETWORK SYSTEM		TUS IN WIRELESS LOCAL
	r Oreign rippiodalist (vaid	(App	dication Serial No.)	
		for w	hich the undersigned ha	is (have) executed an a	application for patent in the United sign countries corresponding
		then	ato or hinerica and an hai ato or based thereon	isin appiications in nois	ign commission contemporating
(13)	insert Date of Signing of	116	one i propins		
	Application	1	JECK Yorld No.		
and assig	The undersig continuing United States nments in connection with	and foreign a	applications for the ab	ove-identified inventio	ath any original, reissue, divisions n and also to execute separati pedient
decla	2) The undersig	ned agree(s) to ation or continu	execute all papers nec ation or division thereof	essary in connection v	vith any interference which may be the Assignee in every way possible
in cor	The undersig inection with claims or pro	ned agree(s) to visions of the tr	execute all papers and itemational Convention i	documents and perform for Protection of Indust	n any act which may be necessar riat Property or similar agreements
Unite	The undersig States patent to the Ass		perform all effirmative	acts which may be nee	cessary to obtain a grant of a valid
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said :	nts of the United States re Assignee, as Assignee of ast herein assigned, and th	sulting from sa the entire inter lat he has (they	id application or any divi est, and hereby covena have) not executed any	ision or divisions or co nts that he has (they t agreement in conflict)	Patents to issue any and all Letter ntinuing applications thereof to the nave) full right to convey the entire nerewith.
The	undersigned hereby app	ooints the Atti	orneys Associated W which may be necesso	ntn Customer No. V nv or desirable in om	35884 the power to insert on ler to comply with the rules of
the L	Inited States Patent and	d Trademark (Office for recordation of es of Action and Millia.	of this document.	
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Date	16/09/2012	Signature of 3	ventor/_######	y	
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ASSIGNMENT (5) (1-8) Insert Name(s) of Inventor(s) (1) KIM, Eun Sun $\{6\}$ (2) SEOK, Yong Ho (7)(3) KANG, Byeong Woo (8) (4) LEE, Dae Won-In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign. and hereby does assign, transfer and set over to Insert name of Assignee (9) LG ELECTRONICS INC. (9)(10) Insert state of Incorporation of (10) Republic of Korea Assignee (11) Insert address of Assignee (11) 20 Yeouido-dona, Yeounadeunapo-au, Seoul 150-721 Republic of Korea (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as (12) CHANNEL ACCESS METHOD AND APPARATUS IN WIRELESS LOCAL Insert identification of Invention, AREA NETWORK SYSTEM such as Title, Case Number or Foreign Application Number (Application Serial No. for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon. (13) Insert Date of Signing of (13) Application The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional

- and continuing United States and foreign applications for the above-identified invention and also to execute segarate 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 or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 patent to the Assignee.
- The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints the Attorneys Associated with Customer No. 035884 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 United States Patent and Trademark Office for recordation of this document.

Date:	Signature of Inventor
Date:	Signature of Inventor
Date: 2/7/2012	Signature of Inventor
Date:	Signature of Inventor

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ASSIGNMENT

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(1-8)	Insert Name(s) of Inventor(s) (1) KIM, E	un Sun	(5)		
		(2) SEOK,	Yong Ho	(6)		
		(3) KANG,	Byeong Woo	(7)		
		(4) LEE, D	ae Won	(8)		
(9) (10)	Insert name of Assignee Insert state of Incorporation	considerat and hereb (9) LG E		the undersigned, the u fer and set over to	and other good and valuable indersigned agree(s) to assign,	
(11)	Assignee Insert address of Assignee	(11) 20 Y	'eouido-dong, Yeour	ngdeungpo-gu, Seoul 15	i0-721 Republic of Korea	
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			ntion known as	Assignee) the entire wo	rldwide right, title and interest	
(12)	Insert identification of Invent such as Title, Case Number Foreign Application Number	or AREA NE	(12) CHANNEL ACCESS METHOD AND APPARATUS IN WIRELESS LOCAL AREA NETWORK SYSTEM (Application Serial No.)			
		for which t States of A	he undersigned has		olication for patent in the United a countries corresponding	
(13)	Insert Date of Signing of Application	(13)				
		d foreign applica	ations for the abov	re-identified invention	any original, reissue, divisiona and also to execute separate dient.	
		n or continuation (or division thereof ar		any interference which may be Assignee in every way possible	
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Unite	4) The undersigned d States patent to the Assigne		orm all affirmative ac	ts which may be neces	sary to obtain a grant of a valid	
said A intere The u this a	its of the United States result Assignee, as Assignee of the st herein assigned, and that h undersigned hereby appoir	ing from said app entire interest, a e has (they have) its the Attorney stification which	dication or any division of hereby covenant into executed any airs Associated with may be necessary	on or divisions or conting that he has (they have greement in conflict here here he Customer No. 035 or desirable in order		
Date:	Sig	nature of Invento	T	***************************************		
Date:	Sig	nature of Invento	r			
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Date:	July 02,2012 sig	mature of invento	r <i>Demon</i>	<u></u>		

PATENT REEL: 028723 FRAME: 0890

RECORDED: 08/03/2012