PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEY	ANCE:	ASSIGNMENT	
CONVEYING PARTY D	ATA		
		Name	Execution Date
Hyun Soo KO			01/07/2011
Ја Но КОО			01/11/2011
Jae Hoon CHUNG			01/07/2011
Moon II LEE			01/07/2011
RECEIVING PARTY DA	ATA		
Name:	LG ELECTRONIC	BINC.	
Street Address:	20 Yeouido-dong,	reongdeungpo-gu	
City:	Seoul		
State/Country:	REPUBLIC OF KC	REA	
Postal Code:	150-721		
PROPERTY NUMBERS	S Total: 1		
Property Ty	ире	Number	
Application Number:	132)1214	13201214
CORRESPONDENCE I	ΟΑΤΑ		
Fax Number:	(213)623-22	1	\$40.00
		hen the fax attempt is unsuccessful.	\$4(
Phone:	213-623-222		ОР
Email:	patent@lhlav		\bullet
Correspondent Name:		DEGERMAN, KANG & WAIMEY	
Address Line 1: Address Line 2:	560 S. FIGU Suite 2300	ROA STREET	
Address Line 4:		ES, CALIFORNIA 90017	
ATTORNEY DOCKET I	NUMBER:	2101-5053	
NAME OF SUBMITTER		Harry S. Lee	
Total Attachments: 2 source=2101-5053-Assi source=2101-5053-Assi	gnment#page1.tif		

Docket No. 2101-5053

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1) KO, Hyun Soo	(5)
		(2) KOO, Ja Ho	(6)
		(3) CHUNG, Jae Hoon	(7)
		(4) LEE, Moon II	(8)
		considerations paid to each of the and hereby does assign, transfer a	one dollar (\$1.00) and other good and valuable undersigned, the undersigned agree(s) to assign, nd set over to
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.	
(10)	Insert state of Incorporation of Assignee	(10) Republic of Korea	
(11)	Insert address of Assignee	(11) 20 Yeouido-dong Yeoungdeu	ingpo-gu Seoul 150-721 Republic of Korea
		(hereinafter designated as the Assi in the invention known as	gnee) the entire worldwide right, title and interest
(12)	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(12) DATA TRANSMISSION N Antenna system	IETHOD AND APPARATUS IN MULTIPLE
		(Application Serial No. for which the undersigned has (hav States of America and all patent ap thereto or based thereon.) e) executed an application for patent in the United plications in foreign countries corresponding
(13)	Insert Date of Signing of Application	(13)	
		4 N A	

1) 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 separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) 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.

3) 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.

4) 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.

5) 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: Jan. 7. 2011.	Signature of Inventor
Date:	Signature of Inventor
Dater Jan. 7th, 2011 Date: Jan 7, 2011	Signature of Inventor

PATENT REEL: 026738 FRAME: 0596

Docket No. 2101-5053

			ASSIGNM	ENT	
(1-8)	Insert Name(s) of Inventor(s)	(1) K	O, Hyun Soo	(5)	
		(2) K	00, Ja Ho	(6)	
		(3) C	HUNG, Jae Hoon	(7)	
		(4) LI	EE, Moon II	(8)	
		consi	iderations paid to ea		00) and other good and valuable the undersigned agree(s) to assign
(9)	Insert name of Assignee	(9)	LG ELECTRONICS	INC.	
(10)	Insert state of Incorporation of Assignee	' (10)	Republic of Korea		
(11)	Insert address of Assignee	(11)	20 Yeouido-dong Y	eoungdeungpo-gu Seou	150-721 Republic of Korea
			inafter designated as invention known as	the Assignee) the entir	e worldwide right, title and interest
(12)	Insert identification of Inventio			SSION METHOD AND	APPARATUS IN MULTIPLE
	such as Tille, Case Number o Foreign Application Number	r ANTI	ENNA SYSTEM		
	r ocogn ngpination seamrai	for w. State			application for patent in the United reign countries corresponding
(13)	Insert Date of Signing of Application	(13)			
	 The undersigned a 	igree(s) to	execute all papers r	ecessary in connection	with any original, reissue, division
assig decla	continuing United States and inments in connection with such 2) The undersigned a	foreign a application agree(s) to or continue	pplications for the is as the Assignee m execute all papers r ition or division there	above-identified invent ay deem necessary or i ecessary in connection	ion and also to execute separat
assig decla in obl	continuing United States and mments in connection with such 2) The undersigned a red concerning this application taining evidence and going forw 3) The undersigned a	foreign a application agree(s) to or continua ard with su agree(s) to	pplications for the ts as the Assignee n execute all papers r ition or division there ich interference. execute all papers a	above-identified invent ay deem necessary or i ecessary in connection of and to cooperate with nd documents and perfo	ion and also to execute separal expedient. with any interference which may b
assig decla in obl in cor	continuing United States and mments in connection with such 2) The undersigned a ared concerning this application taining evidence and going forw 3) The undersigned a nnection with claims or provision	foreign a application or continua ard with su agree(s) to as of the In agree(s) to	pplications for the ts as the Assignee n execute all papers n ition or division there ich interference. execute all papers a ternational Conventio	above-identified invent ay deem necessary or i ecessary in connection of and to cooperate with nd documents and perfo in for Protection of Indu	ion and also to execute separat expedient. with any interference which may b in the Assignee in every way possible orm any act which may be necessar
assig decta in obl in con Unite Pater Said Intere The this a	continuing United States and imments in connection with such 2) The undersigned a ared concerning this application taining evidence and going forw 3) The undersigned a nnection with claims or provision 4) The undersigned a d States patent to the Assignee 5) The undersigned f ints of the United States resultin Assignee, as Assignee of the e ast herein assigned, and that he undersigned hereby appoints	foreign a application or continue ard with so ard with so ard with so area (s) to bas of the In agree(s) to bas of the In agree(s) to bas of the In agree(s) to the so (the y is the Atto fication w	pplications for the is as the Assignee in execute all papers in the interference. execute all papers a ternational Convention perform all affirmation iorize(s) and request d application or any est, and hereby cover have) not executed a rneys Associated hich may be neces	above-identified invent ay deem necessary or in eccessary in connection of and to cooperate with and documents and perfor- in for Protection of Indu- ve acts which may be n (s) the Commissioner of division or divisions or of nants that he has (they ny agreement in conflic with Customer No. sary or desirable in o	ion and also to execute separal expedient. with any interference which may be in the Assignee in every way possible orm any act which may be necessal strial Property or similar agreement ecessary to obtain a grant of a vali ecessary to obtain a grant of a vali ecessary to obtain a grant of a vali f Patents to issue any and all Letter continuing applications thereof to the have) full right to convey the entiti
assig decta in obt in con Unite Said , intere The L this ; the L	continuing United States and imments in connection with such 2) The undersigned a ared concerning this application taining evidence and going forw 3) The undersigned a nnection with claims or provision 4) The undersigned a d States patent to the Assignee 5) The undersigned f hits of the United States result Assignee, as Assignee of the e ast herein assigned, and that he undersigned hereby appoints assignment any further ident United States Patent and Tra	foreign a application or continua ard with su agree(s) to agree(s) to bis of the In agree(s) to digree(s) to	pplications for the ts as the Assignee n execute all papers n ition or division there ich interference. execute all papers a ternational Convention perform all affirmation iorize(s) and request d application or any isst, and hereby cover have) not executed a rneys Associated hich may be necess ffice for recordation	above-identified invent ay deem necessary or in eccessary in connection of and to cooperate with nd documents and perfor on for Protection of Indu- ve acts which may be n (s) the Commissioner of division or divisions or of nants that he has (they ny agreement in conflic with Customer No. sary or desirable in o n of this document.	ion and also to execute separat expedient. with any interference which may be in the Assignee in every way possible orm any act which may be necessar strial Property or similar agreement ecessary to obtain a grant of a val of Patents to issue any and all Letter continuing applications thereof to the have) full right to convey the anti- therewith. 035684 the power to insert on rider to comply with the rules of
assig decta in obt in cor Unite Pater said , Intere The the L the L	continuing United States and mments in connection with such 2) The undersigned a ared concerning this application taining evidence and going forw 3) The undersigned a nnection with claims or provision 4) The undersigned a d States patent to the Assignee 5) The undersigned f assignee, as Assignee of the e ast herein assigned, and that he undersigned hereby appoints assignment any further identi United States Patent and Tra	foreign a application or continue and with su agree(s) to agree(s) to agree(s) to bas of the In agree(s) to bas of the In agree(s) to bas of the In agree(s) to bas of the Atto fication w demark O ature of In	pplications for the ts as the Assignee n execute all papers n ition or division there ich interference. execute all papers a ternational Convention perform all affirmation iorize(s) and request d application or any isst, and hereby cover have) not executed a rneys Associated hich may be necess ffice for recordation	above-identified invent ay deem necessary or in eccessary in connection of and to cooperate with nd documents and perfor on for Protection of Indu- ve acts which may be n (s) the Commissioner of division or divisions or of nants that he has (they ny agreement in conflic with Customer No. sary or desirable in o n of this document.	ion and also to execute separat expedient. with any interference which may be in the Assignee in every way possible orm any act which may be necessar strial Property or similar agreement ecessary to obtain a grant of a val of Patents to issue any and all Letter continuing applications thereof to the have) full right to convey the anti- therewith. 035684 the power to insert on rider to comply with the rules of
assig decta in obl in con Unite Pater Said , Intere The 1 The 1 Unite Cate:	continuing United States and mments in connection with such 2) The undersigned a ared concerning this application taining evidence and going forw 3) The undersigned a nnection with claims or provision 4) The undersigned a d States patent to the Assignee 5) The undersigned f assignee, as Assignee of the e ast herein assigned, and that he undersigned hereby appoints assignment any further identi Jnited States Patent and Tra <u>sign</u> <u>list. Jan. 201</u> Sign	foreign a application or continua ard with su agree(s) to agree(s) to agree(s) to baree(s) to baree(s) to baree(s) to dereby auti- g from said intire intere- has (they is s the Atto fication w demark O ature of inter- ature of inter-	pplications for the ts as the Assignee m execute all papers r ation or division there ich interference. execute all papers a ternational Convention perform all affirmation torize(s) and request d application or any - isst, and hereby cover have) not executed a rneys Associated hich may be necess ffice for recordation ventor	above-identified invent ay deem necessary or i ecessary in connection of and to cooperate with nd documents and perfo in for Protection of Indu ve acts which may be n (s) the Commissioner or division or divisions or of nants that he has (they ny agreement in conflic with Customer No. sary or desirable in o n of this document.	ion and also to execute separal expedient. with any interference which may be in the Assignee in every way possible orm any act which may be necessar strial Property or similar agreement eccessary to obtain a grant of a vali eccessary to obtain a grant of a vali f Patents to issue any and all Letter continuing applications thereof to the have) full right to convey the enti- t herewith. 035684 the power to insert on rder to comply with the rules of

PATENT REEL: 026738 FRAME: 0597

RECORDED: 08/11/2011