502209372 01/28/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jin Young Chun	12/29/2012
Jin Sam Kwak	12/29/2012
Wook Bong Lee	12/29/2012
Bin Chul Ihm	01/24/2013

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:	13807703

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NAME OF SUBMITTER:	Harry S. Lee

Total Attachments: 2

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PATENT REEL: 029703 FRAME: 0139 .00 1380770

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ASSIGNMENT

(1-8)	Insert Name(s) of Invento	or(s) (1) CHUN, Jin Yo	ung	(5)	•
		(2) KWAK, Jin Sa	m	(6)	
		(3) LEE, Wook Bo	ong	(7)	
		(4) IHM, Bin Chul		(8)	
		considerations pa and hereby does	id to each of t assign, transfe	he undersigned, the t	and other good and valuable undersigned agree(s) to assign,
(9)	Insert name of Assignee	• •	RONICS INC.		
(10)	Insert state of Incorporati Assignee	on of (10) Republic of	Korea		
(11)	Insert address of Assigne	ee (11) 20 Yeouido	-dong, Yeoung	deungpo-gu, Seoul 18	50-721 Republic of Korea
		(hereinafter desig		ssignee) the entire wo	orldwide right, title and interest
(12)	Insert identification of Inv such as Title, Case Num Foreign Application Num	ber or WIRELESS COM			NIDAMBLE SIGNALS IN
	, or organization	(Application Seria for which the und	ersigned has (and all patent	nave) executed an app	olication for patent in the United n countries corresponding
(13)	Insert Date of Signing of Application	(13)			
and assig	continuing United States	ned agree(s) to execute all and foreign applications such applications as the As	for the above	-identified invention	n any original, reissue, divisiona and also to execute separat dient.
decla	red concerning this applica	ned agree(s) to execute all, ation or continuation or divis forward with such interferer	ion thereof and	ary in connection with I to cooperate with the	n any interference which may be Assignee in every way possible
	3) The undersid	ned agree(s) to execute all t	papers and do	cuments and perform a Protection of Industria	any act which may be necessar I Property or similar agreements
Unite	The undersig d States patent to the Ass	ned agree(s) to perform all gnee.	affirmative act	s which may be nece	ssary to obtain a grant of a vali
said a interest The this a	nts of the United States re Assignee, as Assignee of est herein assigned, and th undersigned hereby app assignment any further i	sulting from said application the entire interest, and here at he has (they have) not ex points the Attorneys Ass	or any division or any division of the covenants ecuted any ago ociated with enecessary	n or divisions or conti that he has (they have reement in conflict her Customer No. 035 or desirable in order	tents to issue any and all Letter nuing applications thereof to the ye) full right to convey the entire ewith. 1884 the power to insert on to comply with the rules of
	The moist most?			2	
Date:	Dec. 29th, 2012	Signature of Inventor			
Date:		Signature of Inventor	لين سرد	47	-
Date	bei 24th WIL	Signature of Inventor	063	<u>l</u>	
Date		Signature of Inventor			
			the second secon		

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1) CHUN, Jin Young	(5)
		(2) KWAK, Jin Sam	(6)
		(3) LEE, Wook Bong	(7)
		(4) IHM, Bin Chul	(8)

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

(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, Yeoungdeungpo-gu, Seoul 150-721 Republic of Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number

(12) METHOD AND DEVICE FOR TRANSMITTING MIDAMBLE SIGNALS IN WIRELESS COMMUNICATION SYSTEM

(Application Serial No. 13 / 08 17. 1703)

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 Application (13)

- 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,
- 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 Attorney's Associated with Customer No. 035884 the cover to insert on

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:	Dec. 29, 20/2	Signature of Inventor
Date:		Signature of Inventor
Date:	17 Jan 2013	Signature of Inventor Of Ul 22

1