# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Joon Kui AHN	03/19/2010
Nam Yul YU	03/22/2010
Young Woo YUN	03/22/2010
Ki Jun KIM	03/19/2010
Hyun Wook PARK	03/22/2010

#### RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	20 Yeouido-dong, Yeoungdeungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12680989

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 2101-3805

NAME OF SUBMITTER: Norman Lee

**PATENT** 

REEL: 024700 FRAME: 0770

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Total Attachments: 6

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PATENT REEL: 024700 FRAME: 0771

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### **ASSIGNMENT**

(1-8)	Insert Name(s) of Inventor(s)	(1) Joon Kui AHN (2) Nam Yul YU	(5) Hyun Wook PARK (6)
		(3) Young Woo YUN	(7)
		(4) Ki Jun KIM	(8)
		valuable considerations paid	one dollar (\$1.00) and other good and to each of the undersigned, the and hereby does assign, transfer and
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.	
(10)	Insert state of Incorporation of Assignee	(10) Korea	
(11)	Insert address of Assignee	(11) 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea	
(12)	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(hereinafter designated as the Assignation interest in the invention known as (12) FREQUENCY HOPPING PATTE TRANSMITTING UPLINK SIGNALS I	
		for which the undersigned has (have) the United States of America and all p corresponding thereto or based thereo	atent applications in foreign countries
(13)	Insert Date of Signing of Application	(13)	

- 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.

**REEL: 024700 FRAME: 0772** 

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.

1) Date:	19. March , 2010	Signature of Inventor
2) Date:		Signature of Inventor
3) Date:	=P, max 20/0	Signature of Inventor
4) Date:	IN Mase rain	Signature of Inventor 727 2
4) Date.	/ F 30 10 V. PO/ C	Signature of inventor
5) Date:		Signature of Inventor

#### **ASSIGNMENT**

(1-8)	Insert Name(s) of Inventor(s)	(2) Nam Yul YU (0 (3) Young Woo YUN (1	5) Hyun Wook PARK 6) 7) 8)
		In consideration of the sum of one valuable considerations paid to	e dollar (\$1.00) and other good and each of the undersigned, the dhereby does assign, transfer and
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.	
(10)	Insert state of Incorporation of Assignee	(10) Korea	
(11)	Insert address of Assignee	(11) 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea	
(12)	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(hereinafter designated as the Assignee) interest in the invention known as (12) FREQUENCY HOPPING PATTERN TRANSMITTING UPLINK SIGNALS USI	AND METHOD FOR
		for which the undersigned has (have) exe the United States of America and all pate corresponding thereto or based thereon.	
(13)	Insert Date of Signing of Application	(13)	

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1) Date:		Signature of Inventor
2) Date:	Mar. 22, 2010	Signature of Inventor Yu Namyu
		Signature of Inventor
·		Signature of Inventor
4) Date.	and the second s	
5) Date:		Signature of Inventor

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#### **ASSIGNMENT**

(1-8)	Insert Name(s) of Inventor(s)	<ul><li>(1) Joon Kui AHN</li><li>(2) Nam Yui YU</li><li>(3) Young Woo YUN</li><li>(4) Ki Jun KIM</li></ul>	(5) Hyun Wook PARK (6) (7) (8)
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2) Date:	Signature of Inventor
3) Date:	Signature of Inventor
4) Date:	Signature of Inventor
5) Date: <u>20/0. 3. ムム</u>	Signature of Inventor

**RECORDED: 07/16/2010**