## PATENT ASSIGNMENT

## Electronic Version v1.1

Stylesheet Version v1.1

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			This document serves as an Oath/Do	eclaration (37 CER 1,63).	
NAME OF SUBMITTER:			Woochoon William Park		
ATTORNEY DOCKET NUMBER:			PA0920-0		
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			nen the fax attempt is unsuccessful.		
Fax Number:	630908	7653			
CORRESPONDENCE	DATA				
Application Number:		136564	ł <i>31</i>		
Property Type		40050	Number		
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PROPERTY NUMBER	RS Total: 1				
State/Country:	KOREA, REPUBLIC OF				
City:	Daejeon				
Street Address:	161 Gajeong-dong, Yuseong-gu				
Name:	Electronics and Telecommunications Research Institute				
RECEIVING PARTY D	ΑΤΑ				
In Bok YOM				09/17/2012	
Jang Sup CHOI				09/17/2012	
Man Seok UHM				09/17/2012	
Chang Soo KWAK				09/17/2012	
Hong Yeol LEE			09/17/2012		
Name So Hyeun YUN			09/17/2012		
		Na	2000	Execution Date	
CONVEYING PARTY					
NATURE OF CONVEYANCE:		ASSIGNMENT			
	MISSION TYPE: NEW ASSIGNMENT		NEWASSIGNMENI		

Total Attachments: 6
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### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	ANTENNA APPARATUS	
Declaration	PCT/KR####################################	or or PCT international application number
Assignment	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s) [ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE] [151 Gejeong-dong, Yuseong-gu, Daejon, 305-350, Republic of Korea] and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, itile, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. I agree prompily upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related therefo and will pomptly execute and deliver to assignee(s) or obtain, maintain, issue and enforce said application, said invention and said Letters Patent and legal equivalents thereof w	
t opposed allocations of	Inventor Name (First LAST):	So Hyeun YUN
Legal Name Of Inventor	Inventor Signature:	<u>N</u> VT
	Date:	September 17, 2012

Client Ref. No.: IP20110735 (E-sang)

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	ANTENNA APPARATUS			
Declaration	PCT/KR####################################	or or PCT international application number		
	is acknowledge, and other good and assign and transfer unto said assigned [ELECTRONICS AND TELEC/ [161 Gajo Daejon, 30 and the heirs, successors, assigns a and exclusive right to the said inv possessions and in any and all forei	OMMUNICATIONS RESEARCH INSTITUTE] cong-dong, Yuseong-gu, 5-350, Republic of Korea] and legal representatives of the assignee(s) the full rention in the United States and in its territorial gn countries any and all improvements thereof, the		
Assignment	entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the sams, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.			
	I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney. Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.			
5	I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related therato and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.			
Legal Name Of Inventor	Inventor Name (First LAST):	Hong Yeol LEE		
	Inventor Signature:	a love in		
	Date:	September 17, 2012		

Client Ref. No.: IP20110735 (E-sang)

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As the below named inventor(s). I hereby declare that:

The declaration is directed to

I The attached application, or

The above-identified application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)

### [ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE]

|161 Gajeong-dong, Yuseong-gu,

Daejon, 305-350, Republic of Korea)

and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

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Inventor Name (First LAST):	Chang Soo KWAK
Inventor Signature:	Charington Warnels
Date:	September 17, 2012

Client Ref. No.: IP20110735 (E-sang).

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United States application or PCT international application number
PCT/KR########### filed on \_\_\_\_\_\_\_

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Inventor Name (First_LAST):	Man Seok UHM
Inventor Signature:	Caller and the second s
Date:	September 17, 2012

Client Ref, No.: IP20110735 (E-sang)

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Inventor Name (First LAST):	Jang Sup CHOI
Inventor Signature:	anton of
Date	September 17, 2012

Client Ref. No.: IP20110735 (E-sang)

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Inventor Name (First LAST):	In Bok YOM
Inventor Signature:	Committee
	September 17, 2012

Client Ref. No.: IP20110735 (E-sang)

## **RECORDED: 10/19/2012**