

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hyung-Jin CHOI</td><td>09/23/2011</td></tr><tr><td>Jun-Hee JANG</td><td>09/23/2011</td></tr><tr><td>Jung-Su HAN</td><td>09/23/2011</td></tr></tbody></table>		Name	Execution Date	Hyung-Jin CHOI	09/23/2011	Jun-Hee JANG	09/23/2011	Jung-Su HAN	09/23/2011				
Name	Execution Date												
Hyung-Jin CHOI	09/23/2011												
Jun-Hee JANG	09/23/2011												
Jung-Su HAN	09/23/2011												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>SUNGKYUNKWAN UNIVERSITY Foundation for Corporate Collaboration</td></tr><tr><td>Street Address:</td><td>300 Sungkyunkwan Univ.</td></tr><tr><td>Internal Address:</td><td>Cheoncheon-dong, Jangan-gu, Suwon-si</td></tr><tr><td>City:</td><td>Gyeonggi-do</td></tr><tr><td>State/Country:</td><td>KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF</td></tr><tr><td>Postal Code:</td><td>440-746</td></tr></table>		Name:	SUNGKYUNKWAN UNIVERSITY Foundation for Corporate Collaboration	Street Address:	300 Sungkyunkwan Univ.	Internal Address:	Cheoncheon-dong, Jangan-gu, Suwon-si	City:	Gyeonggi-do	State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	Postal Code:	440-746
Name:	SUNGKYUNKWAN UNIVERSITY Foundation for Corporate Collaboration												
Street Address:	300 Sungkyunkwan Univ.												
Internal Address:	Cheoncheon-dong, Jangan-gu, Suwon-si												
City:	Gyeonggi-do												
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF												
Postal Code:	440-746												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13319691</td></tr></tbody></table>		Property Type	Number	Application Number:	13319691								
Property Type	Number												
Application Number:	13319691												
CORRESPONDENCE DATA													
Fax Number: (713)228-8778													
Phone: 713-228-8600													
Email: mcfadden@oshaliang.com													
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name: Robert P. Lord													
Address Line 1: TWO HOUSTON CENTER													
Address Line 2: 909 FANNIN, SUITE 3500													
Address Line 4: HOUSTON, TEXAS 77010													
ATTORNEY DOCKET NUMBER:	37816/008001 (BCM)												
NAME OF SUBMITTER:	Robert P. Lord												
Total Attachments: 2 source=008001_assignment_20111108143721#page1.tif source=008001_assignment_20111108143721#page2.tif													

OP \$40.00 13319691

501719473

PATENT
REEL: 027205 FRAME: 0444

OSHALIANG

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SUNGKYUNKWAN UNIVERSITY Foundation for Corporate Collaboration
having the following address:

300 Sungkyunkwan Univ., Cheoncheon-dong, Jangan-gu, Suwon-si,
Gyeonggi-do, 440-746 Rep. of Korea

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

INTER-CELL INTERFERENCE MITIGATION METHOD USING SPATIAL COVARIANCE MATRIX ESTIMATION METHOD FOR INTER-CELL INTERFERENCE MITIGATION OF MIMO ANTENNA OFDM SYSTEM

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA • LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHALIANG

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

Sept. 23, 2011

Date

1st Inventor Signature: Hyung Jin Choi

Print or Type Name: CHOI, Hyung Jin

9 / 23 . 2011

Date

2nd Inventor Signature: Jun Hee Jang

Print or Type Name: JANG, Jun-Hee

9 / 23 . 2011

Date

3rd Inventor Signature: Jung Su Han

Print or Type Name: HAN, Jung-Su

This Assignment may be signed before either:

(a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:

NOTARY PUBLIC

State of _____
County of _____

Before me personally appeared:

1st Inventor

2nd Inventor

3rd Inventor

4th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: _____

Notary Public

My commission expires: _____

WITNESSES

Date

Signature of Witness: _____

Print or Type Name: _____

Date

Signature of Witness: _____

Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 13/319,691

Filing Date: November 10, 2011