

## 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>BUB-JOO KANG</td><td>02/05/2009</td></tr><tr><td>CHANG-JOO KIM</td><td>02/05/2009</td></tr><tr><td>MYUNG-SUN SONG</td><td>02/05/2009</td></tr><tr><td>GWANG-ZEEN KO</td><td>02/05/2009</td></tr><tr><td>SUNG-HYUN HWANG</td><td>02/05/2009</td></tr><tr><td>HYUNG-RAE PARK</td><td>02/05/2009</td></tr></tbody></table>	Name	Execution Date	BUB-JOO KANG	02/05/2009	CHANG-JOO KIM	02/05/2009	MYUNG-SUN SONG	02/05/2009	GWANG-ZEEN KO	02/05/2009	SUNG-HYUN HWANG	02/05/2009	HYUNG-RAE PARK	02/05/2009	
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RECEIVING PARTY DATA															
Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE														
Street Address:	161 GAJEONG-DONG, YUSEONG-GU														
City:	DAEJEON														
State/Country:	KOREA, REPUBLIC OF														
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>12376657</td></tr></tbody></table>	Property Type	Number	Application Number:	12376657											
Property Type	Number														
Application Number:	12376657														
CORRESPONDENCE DATA															
Fax Number:	(312)427-6663														
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NAME OF SUBMITTER:	Woochoon W. Park														

CH \$40.00 12376657

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PATENT  
REEL: 022219 FRAME: 0735

Total Attachments: 2

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**PATENT**

**REEL: 022219 FRAME: 0736**

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**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

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WHEREAS:

**Bub-Joo KANG**  
#103-1001 Hanmaru Apt., Dunsan-dong, Seo-gu  
Daejeon 302-120, Republic of Korea

**Chang-Joo KIM**  
#105-1502 Expo Apt., Jeonmin-dong, Yuseong-gu  
Daejeon 305-761, Republic of Korea

**Myung-Sun SONG**  
#102-1402 Hanbit Apt., Boeun-dong, Yuseong-gu  
Daejeon 305-755, Republic of Korea

**Gwang-Zeen KO**  
#B-407, 80, Anam-dong 3-ga, Seongbuk-gu  
Seoul 136-073, Republic of Korea

**Sung-Hyun HWANG**  
#410-1103 Hwaseo Jugong Apt., Hwaseo-dong, Paldal-gu  
Suwon-si, Gyeonggi-do 442-150, Republic of Korea

**Hyung-Rae PARK**  
#115-1902 Samsung Apt., Madu 1-dong, Ilsandong-gu  
Goyang-si, Gyeonggi-do 410-351, Republic of Korea

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled: **METHOD FOR MANAGING MULTIPLE FREQUENCY ASSIGNMENT USING TERMINAL'S RECEIVED PERFORMANCE IN OFDMA WRAN SYSTEM** for which application for Letters Patent for the United States has been designated under the Patent Cooperation Treaty as International Application No. PCT/KR2007/003817 filed 08 August 2007,

WHEREAS:

**ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE**  
161, Gajcong-dong, Yuseong-gu  
Daejeon 305-350, Republic of Korea

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention in the United States and the Letters Patent to be obtained therefore;

**PATENT**

**REEL: 022219 FRAME: 0737**

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN; Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and the Letters Patent to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, we have set our hand and seal

February 5, 2009  
Date

Kang, Bub-Joo  
Bub-Joo KANG

Feb. 5, 2009  
Date

Chang-Joo KIM  
Chang-Joo KIM

Feb. 5, 2009  
Date

Myung-Sun SONG  
Myung-Sun SONG

Feb. 5, 2009  
Date

Gwang-Zeen KO  
Gwang-Zeen KO

February 5, 2009  
Date

Sung-Hyun HWANG  
Sung-Hyun HWANG

February 5, 2009  
Date

Hyung-Rae PARK  
Hyung-Rae PARK