

Form PTO-1595 (Rev. 01-09)
OMB No. 0851-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
 Ho-Min EUM (09/09/2010), Heung-Mook KIM (09/09/2010), Hyoung-Nam KIM (09/09/2010), and Yong-Gu JO (09/09/2010).
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: ELECTRONIC AND TELECOMMUNICATIONS RESEARCH INSTITUTE
 Internal Address: _____
 Street Address: _____

3. Nature of conveyance/Execution Date(s):
 Execution Date(s): In parenthesis after inventor names.
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other Correction of the fourth assignor's name recorded at Reel 025008 Frame 0154

161, GAJEONG-DONG, YUSEONG-GU
 City: DAEJEON
 State: _____
 Country: REPUBLIC OF KOREA Zip: 305-350
 Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
 12/884,805
 Additional numbers attached? Yes No

B. Patent No.(s)
 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Robert H. Berdo, Jr.
 RABIN & BERDO, PC
 Internal Address: Atty. Dkt.: SHIN-337
 Street Address: 1101 14th St., NW
 Suite 500
 City: Washington
 State: DC Zip: 20005
 Phone Number: (202) 371-8976
 Fax Number: (202) 408-0924
 Email Address: firm@rabinberdo.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 Deposit Account Number _____
 Authorized User Name _____

9. Signature: Robert Berdo February 3, 2011
 Signature Date
 Robert H. Berdo, Jr. - 38,075 Total number of pages including cover sheet, attachments, and documents: 10
 Name of Person Signing

OP \$40.00 12884805

RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Additional Assignees (2. Continued):

Assignee Name: INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PNU

Internal Address:

Street Address: 30 JANGJEON-DONG, GEUMJEONG-GU

City: BUSAN State: _____ Country: REPUBLIC OF KOREA Zip: 609-735

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes No

Applicant Reference No. IP20090974

1/05

Attorney Reference

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS: Ho-Min EUM; Heung-Mook KIM; Hyoung-Nam KIM; Yong-Gu JO

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to APPARATUS AND METHOD OF FEEDBACK CANCELLATION FOR RADIO SIGNAL

(X) the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [] said application having been filed in the United States Patent and Trademark Office on authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No.) the application serial number of said application when known;

AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of Daejeon, Republic of Korea; INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PNU of Busan, Republic of Korea hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 09 day of September, 2010.

WITNESSES:


Signature: [Handwritten Signature]
Name: Chang-Wook LEE
Address: Seoul, Republic of Korea

ASSIGNOR:

Signature: [Handwritten Signature]
Name: Ho-Min EUM

Applicant Reference No. IP20090974

WITNESSES:

Signature: 

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

ASSIGNOR:

Signature: 

Name: Heung-Mook KIM

WITNESSES:

Signature: _____

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

ASSIGNOR:

Signature: _____

Name: Hyung-Nam KIM

WITNESSES:

Signature: _____

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

ASSIGNOR:

Signature: _____

Name: Yong-Gu JO

Applicant Reference No. IP20090974

1/05

Attorney Reference

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS: Ho-Min EUM; Heung-Mook KIM; Hyoung-Nam KIM; Yong-Gu JO

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to APPARATUS AND METHOD OF FEEDBACK CANCELLATION FOR RADIO SIGNAL

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of Daejeon, Republic of Korea; INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PNU of Busan, Republic of Korea hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof; and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof; and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 09 day of September, 2010.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature _____

Name: Chang-Wook LEE

Name: Ho-Min EUM

Address: Seoul, Republic of Korea

Applicant Reference No. IP20090974

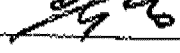
WITNESSES:

Signature: _____
Name: Chang-Wook LEE
Address: Seoul, Republic of Korea

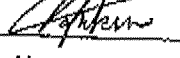
ASSIGNOR:

Signature _____
Name: Heung-Mook KIM


WITNESSES:

Signature: 
Name: Chang-Wook LEE
Address: Seoul, Republic of Korea

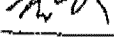
ASSIGNOR:

Signature 
Name: Hyoung-Nam KIM

WITNESSES:

Signature: 
Name: Chang-Wook LEE
Address: Seoul, Republic of Korea

ASSIGNOR:

Signature 
Name: Yong-Gui JO

RABIN & BERDO, P.C. COMPANY:1101 14TH ST. N.W.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



501294375A

SEPTEMBER 17, 2010

FTAS

RABIN & BERDO, P.C.
1101 14TH ST. N.W.
SUITE 500
WASHINGTON, DC 20005

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/17/2010

REEL/FRAME: 025006/0154
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: SHIN-337

ASSIGNOR:
EUM, HO-MIN

DOC DATE: 09/09/2010

ASSIGNOR:
KIM, HEUNG-MOOK

DOC DATE: 09/09/2010

ASSIGNOR:
KIM, HYOUNG-NAM

DOC DATE: 09/09/2010

ASSIGNOR:
JO, YONG- → GU

DOC DATE: 09/09/2010

ASSIGNEE:
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RESEARCH INSTITUTE
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:RABIN & BERDO, P.C. COMPANY:1101 14TH ST. N.W.

025006/0154 PAGE 2

ASSIGNEE:

INSTITUTE FOR RESEARCH & INDUSTRY
COOPERATION, PNU
30 JANGJEON-DONG, GEUMJEONG-GU
BUSAN, REPUBLIC OF KOREA 609-735

SERIAL NUMBER: 12884805

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: APPARATUS AND METHOD OF FEEDBACK CANCELLATION FOR RADIO SIGNAL

KIMBERLY WHITE, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

TO:RABIN & BERDO, P.C. COMPANY:1101 14TH ST. N.W.

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

09/17/2010
501294375

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ho-Min EUM	09/09/2010
Heung-Mook KIM	09/09/2010
Hyoung-Nam KIM	09/09/2010
Yong(Go)JO <i>GU</i>	09/09/2010

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
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Postal Code:	305-350

Name:	INSTITUTE FOR RESEARCH & INDUSTRY COOPERATION, PNU
Street Address:	30 Jangjeon-dong, Geumjeong-gu
City:	Busan
State/Country:	REPUBLIC OF KOREA
Postal Code:	609-735

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12884805

CORRESPONDENCE DATA

Fax Number: (202)408-0924
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 202-371-8976
 Email: firm@rabinberdo.com
 Correspondent Name: Rabin & Berdo, P.C.
 Address Line 1: 1101 14th St. N.W.

OP \$40.00 12884805

:RABIN & BERDO, P.C. COMPANY:1101 14TH ST. N.W.

Address Line 2: Suite 500	
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005	
ATTORNEY DOCKET NUMBER:	SHIN-337
NAME OF SUBMITTER:	Steven M. Rabin
Total Attachments: 4 source=SHIN-337-Assignments#page1.tif source=SHIN-337-Assignments#page2.tif source=SHIN-337-Assignments#page3.tif source=SHIN-337-Assignments#page4.tif	