

03-08-2004

Q77018

MODIFIED Form PTO-1595

(Rev. 10/02)

RE

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office



PATENT 102687083

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Kyun-hyon TCHAN  
 Ki-soo CHANG  
 Doo-seop EOM  
 Tae-jin LEE  
 Jong-hun PARK  
 Jong-soo OH  
 Yang-ick Joo

## 2. Name and address of receiving party(ies):

SAMSUNG ELECTRONICS CO., LTD.  
 416, Maetan-dong, Yeongtong-gu  
 Suwon-si, Gyeonggi-do  
 Republic of Korea

22856 U.S. PTO  
 10788316  
 030104

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: February 10, 2004

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 10, 2004

A. Patent Application No.(s)  
 Unknown

10788316

B. Patent No.(s)  
 Not yet assigned

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed.  
☐ Authorized to be charged to Deposit Account No. 19-4880.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

## 8. Deposit Account Number:

19-4880

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

*Darryl Mexic*  
 Darryl Mexic

Reg. No. 23,063

March 1, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

MAIL STOP ASSIGNMENT RECORDATION SERVICES

Director of the U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

03/05/2004 MBETACHE 00000128 10788316

01 FC:8021

40.00 DP

PATENT  
 REEL: 015032 FRAME: 0840

## Assignment



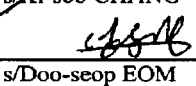


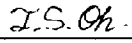
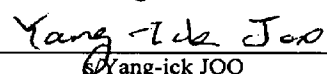
Whereas, I/We, Kyun-hyon TCHAN, Ki-soo CHANG, Doo-seop EOM, Tae-jin LEE, Jong-hun PARK, Jong-soo OH, Yang-ick JOO of Electronics Engineering Department of Korea University, 1, 5ga, Anam-dong, Sungbuk-gu, Seoul, Korea, 103-1502, Hyundai I-PARK Apartment, Mangfo-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Korea, Electronics Engineering Department of Korea University, 1, 5ga, Anam-dong, Sungbuk-gu, Seoul, Korea, 148-901, Hanil Town, 881, Jowon-dong, Jangan-gu, Suwon-si, Gyeonggi-do, Korea, 306-206, Hansol Apartment, Ilwonbon-dong, Gangnam-gu, Seoul, Korea, Electronics Engineering Department of Korea University, 1, 5ga, Anam-dong, Sungbuk-gu, Seoul, Korea, Electronics Engineering Department of Korea University, 1, 5ga, Anam-dong, Sungbuk-gu, Seoul, Korea, respectively, hereinafter called assignor(s), have invented certain improvements in WIRELESS COMMUNICATION APPARATUS AND METHOD USING AN ADAPTIVE CREDIT REDISTRIBUTION ALGORITHM and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date:	 s/Kyun-hyon TCHAN	February 10, 2004
Date:	 s/Ki-soo CHANG	February 10, 2004
Date:	 s/Doo-seop EOM	February 10, 2004
Date:	 s/Tai-jin LEE	February 10, 2004
Date:	 s/Jong-hun PARK	February 10, 2004
Date:	 s/Jong-soo OH	February 10, 2004
Date:	 s/Yang-ick JOO	February 10, 2004

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)