05-24-2006

Form PTO-1595 (Rev. 06/04)

| U.S. DEPARTMENT | OF COMMERCE |
|-----------------------|------------------|
| ted States Patent and | Trademark Office |

| RECC RECC | ited States Patent and Trademark O |
|---|--|
| | ease record the attached documents or the new address(es) below. |
| 1. Name of conveying party(ies)/Execution Date(s | |
| Michael L. Brobston Weon Ki Yoon | Name: Samsung Electronics Co., Ltd. |
| Steven Loh | Internal Address: |
| Seong Eun Kim | |
| Execution Date(s) 1/3/06, 1/4/06, 1/3/06, 5/10/06 | Charact Address at 16 No. 1 P. 111 |
| Additional name(s) of conveying party(ies) attached? Yes | Street Address: 416, Maetan-dong, Paldal-gu, No |
| 3. Nature of conveyance: | Suwon-city, Kyungki-do, Republic of Korea |
| Assignment Merger | City: |
| Security Agreement Change of Name | State: |
| Government Interest Assignment | |
| Executive Order 9424, Confirmatory License | Country:Zip: |
| Other | Additional name(s) & address(es) attached? Yes |
| 4. Application or patent number(s): | nis document is being filed together with a new application |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 11/326,124 | |
| OS DBYRNE 00000059 11326124 | |
| 40.00 QP Additional numbers | sattached? Tyes VNo. |
| 5. Name and address to whom correspondence | 6. Total number of applications and patents |
| concerning document should be mailed: | involved: 1 0 3 |
| Name: Docket Clerk | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 \$ |
| Internal Address: | Authorized to be charged by credit card |
| | Authorized to be charged to deposit account |
| Street Address: P.O. Drawer 800889 | Enclosed |
| | None required (government interest not affecting ti |
| City: Dallas | 8. Payment Information |
| State: Texas Zip: 75380 | a. Credit Card Last 4 Numbers Expiration Date |
| Phone Number: | b. Deposit Account Number 50-0208 |
| Fax Number: | |
| Email Address: | Authorized User Name John T. Mockler |
| 9. Signature: (olm J. Morkela | 18May 2996 Date |
| | |
| 9. Signature: John J. Workla Signature John T. Mockler, Reg. No. 39,775 | Total number of pages including cover |

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Name of Person Signing

PATENT REEL: 017910 FRAME: 0611

ASSIGNMENT

WHEREAS, We, Michael L. Brobston, resident of Allen, Collin County, Texas, citizen of United States of America, Steven Loh, resident of Plano, Collin County, Texas, citizen of Singapore, Seong Eun Kim, resident of Plano, Collin County, Texas, citizen of Korea, and Weon Ki Yoon, resident of Hillsboro, Washington County, Oregon, citizen of Korea, have invented certain new and useful improvements in a "VERSATILE SYSTEM FOR MULTIMODE, WIRELESS COMMUNICATION RECEIVER WITH ZIF AND NEAR-ZIF OPERATIONS" disclosed in an application for United States Letters Patent (Application No. 11/326,124, filed January 5, 2006), said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Paldal-gu, Suwoncity, Kyungki-do, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck or John T. Mockler of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful

L:\SAMS01\00426 - 1 -

PATENT REEL: 017910 FRAME: 0612 ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries. IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____3 day of Jan____, 2005. Whichael & Brother STATE OF TEXAS COUNTY OF Collin On this 2 day of January, 2006, before me, a Notary Public in and for the State and County aforesaid, personally appeared Michael L. Brobston, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed. MARY WHITE MY COMMISSION EXPIRES

oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said

My Contmission Expires:

line le 2009

- 2 -

| Date: | 1/4/ | 2006 | Los La | los locas | | |
|-------------|------|------|------------|-----------|--|--|
| | | | Steven Loh | | | |

| STATE OF TEXAS | |
|------------------|----------|
| COUNTY OF Collin | \ |

On this day of day of 2006, before me, a Notary Public in and for the State and County aforesaid, personally appeared Steven Loh, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

MARY WHITE
MY COMMISSION EXPIRES
June 6, 2009

Notary Public, State of Texas

My Commission Expires:

Jue 6 2009

| Date: <u>01-03</u> - 06 | 7838 | | |
|-------------------------|---------------|--|--|
| | Seong Fun Kim | | |

COUNTY OF Collin

On this 3 day of 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Seong Eun Kim, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

MARY WHITE MY COMMISSION EXPIRES June 6, 2009

L:\SAMS01\00426

Notary Public, State of Texas

My Commission Expires:

- 4 -

| Date: | 5 | -10 | | 2006 |
|-------|---|-----|--|------|
|-------|---|-----|--|------|

Woodn Ki Yoon

STATE OF OREGON

COUNTY OF Washington

, 2005, before me, a Notary Public in and for the On this 10 day of May State and County aforesaid, personally appeared Weon Ki Yoon, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.



My Commission Expires:

5/9/2010

L:\SAMS01\00426

RECORDED: 05/22/2006

PATENT REEL: 017910 FRAME: 0616