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Form PTO-1595  
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jiann-An Tsai  
Cornelius van Rensburg

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: 416, Maetan-dong, Paldal-gu

Suwon-city, Kyungki-do

Republic of Korea

Street Address: Same as above

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

No

Execution Date: November 22, 2005, respectively

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

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

November 22, 2005,

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

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Docket Clerk

Internal Address: P.O. Drawer 800889

Dallas, Texas 75380

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

8. Deposit account number:

50-0208

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9. Signature.

John T. Mockler, Registration No. 39,775  
Name of Person Signing

*John T. Mockler*  
Signature

22 Nov. 2005  
Date

Total number of pages including cover sheet, attachments, and documents:  4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/28/2005 KBETEMAI 00000012 11285546

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PATENT  
REEL: 017273 FRAME: 0694

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**ASSIGNMENT**

WHEREAS, We, Jiann-An Tsai, resident of Richardson, Collin County, Texas, citizen of the United States of America, and Cornelius van Rensburg, resident of Dallas, Dallas County, Texas, citizen of the South Africa, have invented certain new and useful improvements in a "METHOD AND SYSTEM FOR GENERATING BEAM-FORMING WEIGHTS IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING NETWORK" disclosed in an application for United States Letters Patent (Application No. \_\_\_\_\_, filed \_\_\_\_\_), 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, Suwon-city, 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;

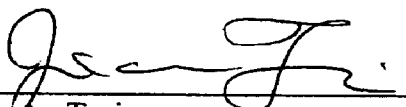
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and 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 oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said

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 22 day of Nov., 2005.

  
\_\_\_\_\_  
Jiann-An Tsai

STATE OF TEXAS

COUNTY OF Collin

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On this 22 day of November, 2005, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jiann-An Tsai, 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.



  
\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
June 6, 2009

Date: 11/22/2005

*Cornelius van Rensburg*  
Cornelius van Rensburg

STATE OF TEXAS

COUNTY OF Collin

§  
§  
§

On this 22 day of November, 2005, before me, a Notary Public in and for the State and County aforesaid, personally appeared Cornelius van Rensburg, 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*  
Notary Public, State of Texas

My Commission Expires:  
June 6, 2009