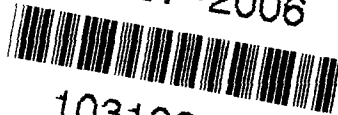


03-07-2006



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

3/6/6

103192073  
PATENT

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)/Execution Date(s):**

Joseph R. Cleveland  
Akshaya A. Trivedi

Execution Date(s) 11/18/2005, 02/13/2006

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: Samsung Electronics Co., Ltd.

Internal Address:

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

Suwon-city, Kyungki-do, Republic of Korea

City:

State:

Country:

Zip:

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)

11/285,780

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Docket Clerk

Internal Address:

Street Address: P.O. Drawer 800889

City: Dallas

State: Texas

Zip: 75380

Phone Number: 972-628-3600

Fax Number: 972-628-3616

Email Address:

**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 by credit card  
☒ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 50-0208

Authorized User Name John T. Mockler

**9. Signature:**

*John T. Mockler*  
Signature

2 March 2006  
Date

John T. Mockler, Reg. No. 39,775

Name of Person Signing

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

4

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

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PATENT  
REEL: 017630 FRAME: 0485

ASSIGNMENT

WHEREAS, We, Joseph R. Cleveland, resident of Murphy, Collin County, Texas, citizen of the United States of America, and Akshaya A. Trivedi, resident of Mountain View, Santa Clara, California, citizen of the United States of America, have invented certain new and useful improvements in a "APPARATUS AND METHOD FOR REDUCING THE PEAK-TO-AVERAGE POWER RATIO OF OFDM/OFDMA SIGNALS" disclosed in an application for United States Letters Patent (Application No. 11/285,780, filed November 22, 2005).

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 18<sup>th</sup> day of November, 2005.

Joseph R. Cleveland  
Joseph R. Cleveland

STATE OF TEXAS

COUNTY OF Collin


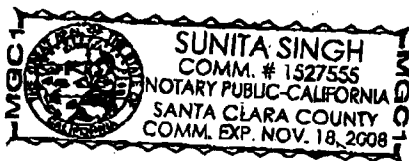
§  
§  
§

On this 18 day of November, 2005, before me, a Notary Public in and for the State and County aforesaid, personally appeared Joseph R. Cleveland, 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

Date: 2/13/2006  
Akshaya A. TrivediSTATE OF ~~TEXAS~~ <sup>3</sup> California §  
COUNTY OF Santa Clara §  
§  
§On this <sup>th</sup> 13 day of February, 2006<sup>8</sup>, before me, a Notary Public in and for the State and County aforesaid, personally appeared Akshaya A. Trivedi, 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-<sup>3</sup> CA

NOTARY

My Commission Expires: Nov 18, 2008.