

05-01-2002

FORM PTO-1595
(REV 6-93)



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M COVER SHEET
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

ATTORNEY DOCKET NO. SAMS01-00160

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

1. Name of conveying party(ies):
Joseph R. Cleveland
Adnan Kavak

Additional name(s) of conveying party(ies) attached?

Yes No

4.22.02

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

Post Office Address: Same as above

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: January 17, 2002 and December 29, 2001, respectively

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

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

A. Patent Application No. 10/038,873

B. Patent No.(s)

Filed: December 31, 2001

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
Post Office Address: Same as above

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): 40.00

- Enclosed
- Any deficiencies or overpayments are authorized to be charged to or credited to deposit account

8. Deposit account number: 50-0208

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

William A. Munck, Registration No. 39,308

William A. Munck
Signature

April 12, 2002
Date

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

OMB No. 0651-0011

04/30/2002 DBYRNE 00000016 10038873
01 FC:581 40.00 DP

PATENT
REEL: 012836 FRAME: 0644

ASSIGNMENT

WHEREAS, We, Joseph R. Cleveland, resident of Richardson, Dallas County, Texas, citizen of the United States of America and Adnan Kavak, resident of Yarimca, Izmit, Turkey, citizen of Turkey, have invented certain new and useful improvements in a "PRACTICAL M-ARY DEMODULATOR AND METHOD OF OPERATION FOR USE IN A CDMA WIRELESS NETWORK BASE STATION" disclosed in an application for United States Letters Patent (Application No. 10/038,873, filed December 31, 2001), 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

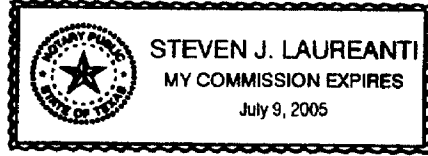
ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Joseph Cleveland
Joseph Cleveland

STATE OF TEXAS

COUNTY OF Dallas

§
§
§

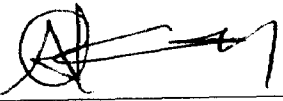


On this 17th day of JANUARY, ²⁰⁰²~~2001~~, before me, a Notary Public in and for the State and County aforesaid, personally appeared Joseph Cleveland, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

[Signature]
Notary Public, State of Texas

My Commission Expires:
7/9/05

Inventor:

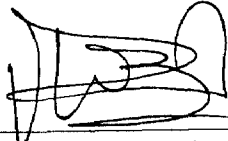


Adnan Kavak

12/29/2001

Date

Witness:



Signature of witness

Dr. Ismail ERTÜRK

(Printed Name)

Dep. of Elec. and Comp. Ed.

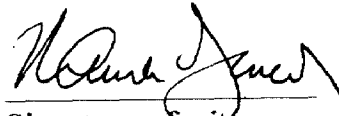
Kocaeli University

(Street Address)

Dimit 41300 TURKEY

(City, Country)

Witness:



Signature of witness

Dr. Namik YENER

(Printed Name)

Dept. of Elec. and Comp Ed.

Kocaeli University

(Street Address)

Izmit 41300 TURKEY

(City, Country)