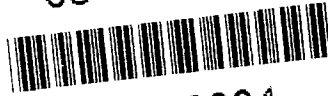


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Tab settings

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):
Nhut Nguyen
Matt Wu
8-13-04
Additional name(s) of conveying party(ies) attached? Yes No

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: 03/29/2004, respectively

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:
A. Patent Application No.(s) 10/810,302
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:
Street Address: P.O. Drawer 800889
City: Dallas State: TX Zip: 75380

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 at Deficiencies and overpayments only
8. Deposit account number:
50-0208

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9. Signature.
John T. Mockler, Reg. No. 39,775
Name of Person Signing
John T. Mockler
Signature
9 Aug 2004
Date

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

08/16/2004 LNUJELLER 00000028 10810302
01 FC:8021 40.00 DP

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

PATENT
REEL: 015672 FRAME: 0590

ASSIGNMENT

WHEREAS, We, Nhut Nguyen, resident of Richardson, Collin County, Texas, citizen of the Canada, and Matt Wu resident of Plano, Collin County, Texas, citizen of the United States, have invented certain new and useful improvements in a "APPARATUS AND METHOD FOR TESTING VOICE SYSTEMS IN A TELECOMMUNICATION NETWORK" disclosed in an application for United States Letters Patent (Application No. 10/810,302, filed March 26, 2004), 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.

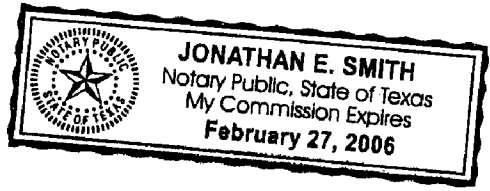
We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation,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

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 29th
day of March, 2004.

N. Nhut
Nhut Nguyen

STATE OF TEXAS §
COUNTY OF Collin §
§

On this 29 day of March, 2004, before me, a Notary Public in and for the State and County aforesaid, personally appeared Nhut Nguyen, 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.



Jonathan E. Smith
Notary Public, State of Texas
My Commission Expires:
Feb. 27, 2006

Date: 3-29-2004

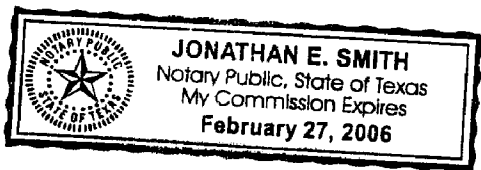
Matt Wu
Matt Wu

STATE OF TEXAS

§
§
§

COUNTY OF Collin

On this 29 day of March, 2004, before me, a Notary Public in and for the State and County aforesaid, personally appeared Matt Wu, 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.



Jonathan E. Smith
Notary Public, State of Texas

My Commission Expires:

Feb. 27, 2006