

11-18-1998



Atty Ref/Docket No.: 600.416US1

100901340

To the Honorable Commissioner of Patents and Trademarks, please record the attached copy thereof.

1. Name of conveying party(ies):

Ahmed H. Tewfik, Mitchell D. Swanson, Bin Zhu and  
Laurence Boney

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

Name: Regents of the University of Minnesota

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

Street Address: Morrill Hall, 100 Church Street S.E.

3. Nature of conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name  
[ ] Other

City: Minneapolis State: MN ZIP: 55455

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

Execution Date: June 26, 1998

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)

B. Patent No.(s)

Serial No. 08/918,891, filed August 27, 1997

Additional numbers attached? [ ] Yes [X] No

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

Name: Michael A. Dryja

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[X] Enclosed  
[ ] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our  
Deposit account number: 19-0743

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.

Richard E. Billion/Reg. No. 32,836

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 9

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT  
REEL: 9582 FRAME: 0167

## ASSIGNMENT

WHEREAS, WE, Ahmed H. Tewfik, residing at 7317 Oaklawn Avenue, Edina, MN 55435, and Mitchell D. Swanson, residing at 3146 West Calhoun Blvd. #108, Minneapolis, MN 55414, and Bin Zhu, residing at 1269 Fifield Place, St. Paul, MN 55108, and Laurence Boney, residing at 12 rue due Marechal Foch, 4500 Orleans, ~~55435~~ France, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on August 27, 1997, which application was assigned U.S. patent application serial number 08/918,891, and is entitled METHOD AND APPARATUS FOR EMBEDDING DATA, INCLUDING WATERMARKS, IN HUMAN PERCEPTIBLE SOUNDS.

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at Morrill Hall, 100 Church Street S.E., Minneapolis, MN 55455, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26<sup>th</sup> day of June, 1998.

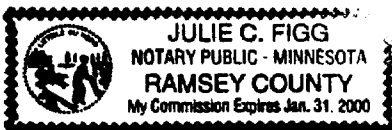
Ahmed H. Tewfik  
Ahmed H. Tewfik

STATE OF MINNESOTA)  
                                  )ss.  
COUNTY OF HENNEPIN)

On this 26 day of June, 1998 before me personally appeared Ahmed H. Tewfik to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Julie C. Figg  
Notary Public



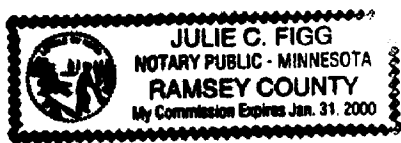
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26<sup>th</sup> day of June, 1998.

Mitchell D. Swanson  
Mitchell D. Swanson

STATE OF MINNESOTA)  
COUNTY OF HENNEPIN)<sup>ss.</sup>

On this 26 day of June, 1998 before me personally appeared Mitchell D. Swanson to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Julie C. Figg  
Notary Public

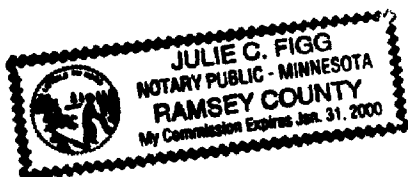
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of June, 1998.

Bin Zhu  
Bin Zhu

STATE OF MINNESOTA)  
COUNTY OF HENNEPIN)<sup>ss.</sup>

On this 26 day of June, 1998 before me personally appeared Bin Zhu to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Julie C. Figg  
Notary Public

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

[SEAL]

Notary Public

\* 33 rue Montorgueil, 78120 RAMBOUILLET

LB

### ASSIGNMENT

LB WHEREAS, WE, Ahmed H. Tewfik, residing at 7317 Oaklawn Avenue, Edina, MN 55435, and Mitchell D. Swanson, residing at 3146 West Calhoun Blvd. #108, Minneapolis, MN 55414, and Bin Zhu, residing at 1269 Fifield Place, St. Paul, MN 55108, and Laurence Boney, residing at \* 12 rue due Marechal Foch, 4500 Orleans, ~~55435~~ France, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on August 27, 1997, which application was assigned U.S. patent application serial number 08/918,891, and is entitled METHOD AND APPARATUS FOR EMBEDDING DATA, INCLUDING WATERMARKS, IN HUMAN PERCEPTIBLE SOUNDS.

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at Morrill Hall, 100 Church Street S.E., Minneapolis, MN 55455, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 1998.

Ahmed H. Tewfik

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1998 before me personally appeared Ahmed H. Tewfik to  
me known and known to me to be the person described in and who executed the foregoing instrument,  
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein  
set forth.

[SEAL]

**Notary Public**

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 1998.

**Mitchell D. Swanson**

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1998 before me personally appeared Mitchell D. Swanson to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

**Notary Public**

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 1998.

---

Bin Zhu

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1998 before me personally appeared Bin Zhu to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 26<sup>th</sup> day of JUNE, 1998.

LBoney  
\_\_\_\_\_  
Laurence Boney

STATE OF \_\_\_\_\_ )  
REPUBLIC OF FRANCE CITY OF PARIS )  
EMBASSY OF THE UNITED STATES OF AMERICA ) SS  
COUNTY OF \_\_\_\_\_ )

On this 26<sup>th</sup> day of JUNE, 1998 before me personally appeared Laurence Boney to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Thomas E. Cairns  
\_\_\_\_\_  
Notary Public Thomas E. Cairns  
Consul of the United States of America

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Ahmed H. Tewfik et al. Examiner: Unknown  
Serial No.: 08/918,891 Group Art Unit: 2756  
Filed: August 27, 1997 Docket: 600.416US1  
Title: METHOD AND APPARATUS FOR EMBEDDING DATA, INCLUDING  
WATERMARKS, IN HUMAN PERCEPTIBLE SOUNDS  
Document ID No.: 100776861

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**COMMUNICATION RE: NOTICE OF NON-RECORDATION**

Attn:ASSIGNMENT BRANCH  
Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

In response to the Notice of Non-Recordation of Assignment Document mailed from the Patent Office on October 7, 1998 (copy enclosed), applicants hereby submit a cover sheet with the original Assignment. The Recordation Fee is not enclosed as it was previously paid.

Applicants assume the Assignment is now in proper order for recording and would appreciate a Notice of Recordation be sent to Applicants' Representatives at the address given below.

Respectfully submitted,

AHMED H. TEWFIK ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6977

Date 11/6/98

By Richard E. Billion

Richard E. Billion  
Reg. No. 32,836  
REBCMGT:tmp

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents, Washington, D.C. 20231, on 11/6/98.

Date of Deposit

Richard E. Billion

**RICHARD E. BILLION**

REGISTRATION # 32,836

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ahmed H. Tewfik et al.

Title: METHOD AND APPARATUS FOR EMBEDDING DATA, INCLUDING WATERMARKS, IN  
HUMAN PERCEPTIBLE SOUNDS

Docket No.: 600.416US1

Filed: August 27, 1997

Examiner: Unknown

Document ID No.: 100776861

Serial No.: 08/918,891

Due Date: n/a

Group Art Unit: 2756

Attn: ASSIGNMENT BRANCH

Hon. Commissioner of Patents and Trademarks

Washington, D.C. 20231

We are transmitting herewith the attached:

☒ Communication Re: Notice of Non-Recordation (1pg.)

☒ Copy of Notice of Non-Recordation (1 pg.)

☒ Assignment to Regents of the University of Minnesota (8 pgs.) and Recordation Coversheet (1 pg.)

☒ A return postcard.

☐ Other: \_\_\_\_.

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: ASSIGNMENT BRANCH, Hon. Commissioner of Patents and Trademarks, Washington, D.C. 20231, on this 6<sup>th</sup> day of November, 1998.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: 

Name: Richard E. Billion

Reg. No. 32,836

REB:CMG:tmp