

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 600.737US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ahmed H. Tewfik, Dan Wang, Timothy Kinney

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

[] Yes [X] No

3. Nature of conveyance:

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

Execution Date: November 5, 2010, November 4, 2010, August 30, 2010

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

Name: Regents of the University of Minnesota

Street Address: 1000 Westgate Drive
Suite 160

City: St. Paul State: MN Zip: 55114-8658
Country: United States of America

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

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. 12/822,065, filed June 23, 2010

Additional numbers attached? [] Yes [X] No

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

Name: David W. Black

Address:

Swegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938

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
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 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.

David W. Black/Reg. No. 42,331

Name of Person Signing



Signature

February 24, 2011

Date

Total number of pages including cover sheet: 6

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

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

CH \$40.00 190743 12822065

Attorney Docket No. 600.737US1
Client Ref. No. 20090032/UM20100004

ASSIGNMENT

WHEREAS, We, Ahmed H. Tewfik, residing at 7317 Oaklawn Avenuc, Edina, MN 55435, and Dan Wang, residing at 1062D 27th Ave. SE, Minneapolis, MN 55414, and Timothy Kinney, residing at 10 Red Cedar Ln, Minneapolis, MN 55410, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on June 23, 2010, which application was assigned U.S. patent application serial number 12/822,065, and is entitled TRACKING AND REPRESENTATION OF MULTI-DIMENSIONAL ORGANS;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Regents of the University of Minnesota (the "Assignee"), a corporation of the State of Minnesota, having a place of business at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/220,888, filed on June 26, 2009.

No International or foreign claim for priority is being made at this time.

ASSIGNMENT

Client Ref. No. 20090032/UJ20100004

Assignors: Ahmed H. Tewfik et al.

Title: TRACKING AND REPRESENTATION OF MULTI-DIMENSIONAL ORGANS

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Docket No: 600.737US1

Serial Number: 12/822,065

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Client Ref. No. 20090032/UM20100004

Assignors: Ahmed H. Tewfik et al.

Title: TRACKING AND REPRESENTATION OF MULTI-DIMENSIONAL ORGANS

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Docket No: 600,737US1

Serial Number: 12/822,065

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5th day of November, 2010.

Ahmed H. Tewfik
Ahmed H. Tewfik

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 20____ 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



ASSIGNMENT

Client Ref. No. 20090032/UM20100004

Assignors: Ahmed H. Tewfik et al.

Title: TRACKING AND REPRESENTATION OF MULTI-DIMENSIONAL ORGANS

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Docket No: 600.737US1

Serial Number: 12/822.065

IN TESTIMONY WHEREOF, I have hereunto set my hand this 04 day of November, 2010

Dan Wang

Dan Wang

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared Dan Wang, 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

ASSIGNMENT

Client Ref. No. 20090032A/M20100004

Assignors: Ahmed H. Tewfik et al.

Title: TRACKING AND REPRESENTATION OF MULTI-DIMENSIONAL ORGANS

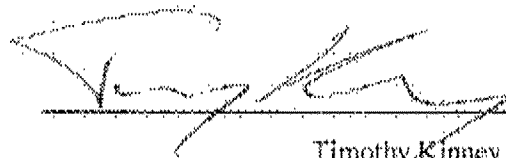
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Docket No. 600.737US1

Serial Number: 12/822,065

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of

Aug 20 10



Timothy Kinney

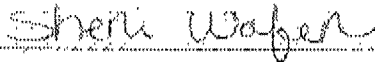
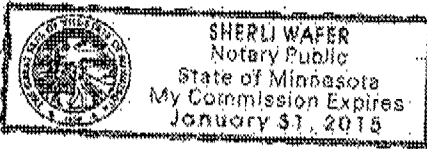
STATE OF Minnesota)

)ss

COUNTY OF Hennepin)

On this 30th day of August, 20 10 before me personally appeared Timothy Kinney, 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