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(Rev. 6-93)  
Olv 3 No. 0651 0011 (exp. 4/94)

R SHEET

U.S. DEPARTMENT OF COMMERCE  
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):

JACK, Clifford R.  
MANDUCA, Armando  
GRIMM, Roger  
WELCH, Edward B.

2-4-03

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

Name: Mayo Foundation for Medical Education and Research

Internal Address: \_\_\_\_\_

Street Address: 200 First Street SW

City: Rochester, MN Zip: 55905

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

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 22, 2003

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.(s)

10/258,268

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Barry E. Sammons

Internal Address: Quarles & Brady LLP

Street Address: 411 E. Wisconsin Avenue

City: Milwaukee State: WI Zip: 53202

6. Total number of applications and patents involved:

1

7. Total Fee (37 CFR 34) ..... \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number

17-0055

(Attach duplicate copy of this page if paying by deposit account)

05/02 2003 LLANDGRA 00000037 170055 10258268

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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.*

Barry E. Sammons  
Name of person signing

[Signature]  
Signature

04 February 2003  
Date

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

4

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

PATENT  
REEL: 014009 FRAME: 0980

ASSIGNMENT

WHEREAS, WE, CLIFFORD R. JACK, ARMANDO MANDUCA, ROGER GRIMM AND EDWARD B. WELCH, all of Rochester, Minnesota have made certain inventions which are described in an application for Letters Patent of the United States entitled "REDUCTION OF MOTION ARTIFACT IN NMR IMAGES USING SPHERICAL NAVIGATOR SIGNALS" executed by us on even dates herewith preparatory to obtaining United States Letters Patent therefore, and

WHEREAS, Mayo Foundation for Medical Education and Research (hereinafter referred to as said Company), a Minnesota corporation having a place of business at 200 First Street SW, Rochester Minnesota 55905 is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements,

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Company, its successors and assigns, the entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Company. We further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

We hereby warrant that we have the full right to make the conveyance herein, and we hereby covenant that we, our heirs, legal representatives and assigns, will when requested, communicate to said Company, its representatives, successors and assigns, all facts known respecting said inventions, execute all divisional, continuing, reissue, reexamination and foreign or international applications, together with individual assignments therefor, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said Company, its successors and assigns, in the obtaining of Letters Patent.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

Date: 1/22/03

Clifford R. Jack (SEAL)  
Clifford R. Jack

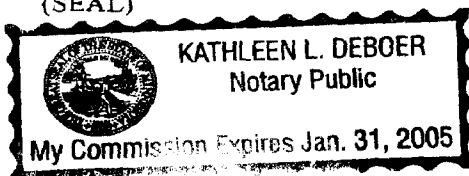
WITNESSES:

\_\_\_\_\_  
\_\_\_\_\_

STATE OF MINNESOTA )  
COUNTY OF Winnetka ) SS

Before me on this 22 day of JAN, 2003 came "Clifford R. Jack", to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.

(SEAL)



Kathleen L. DeBoer  
Notary Public,  
State of Minnesota  
My Commission: 1/31/05

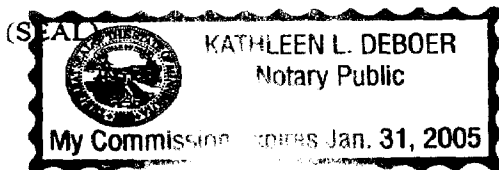
Date: 01/22/2003

Edward B. Welch (SEAL)  
Edward B. Welch

WITNESSES:

STATE OF MINNESOTA )  
COUNTY OF Olmsted ) SS

Before me on this 22 day of Jan, 2003 came "Edward B. Welch", to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.



Kathleen L. DeBoer  
Notary Public,  
State of Minnesota  
My Commission: 1/31/2005

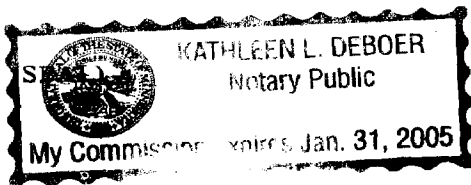
Date: 1/2/03

Armando Manduca (SEAL)  
Armando Manduca

WITNESSES:

STATE OF MINNESOTA )  
COUNTY OF Olmsted ) SS

Before me on this 22 day of JAN, 2003 came "Armando Manduca", to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.



Kathleen L. DeBoer  
Notary Public,  
State of Minnesota  
My Commission: 1/31/2005

Date: Jan 22, 2002

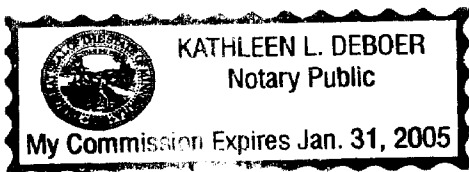
Roger Grimm (SEAL)  
Roger Grimm

WITNESSES:

STATE OF MINNESOTA )  
COUNTY OF Olmsted ) SS

Before me on this 22 day of JAN, 2003 came "Roger Grimm", to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.

(SEAL)



Kathleen L. DeBoer  
Notary Public,  
State of Minnesota  
My Commission: 1/31/2005