

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 600.736US1

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):

Jang-Yeon Park, Steen Moeller, Ryan Chamberlain,
Michael G. Garwood

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

☐ Yes ☒ No

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

Name: Regents of the University of Minnesota

Street Address: 1000 Westgate Drive
Suite 160City: St. Paul State: MN Zip: 55114-8658Country: United States of America

3. Nature of conveyance:

Additional name(s) & address(es) attached? ☐ Yes ☒ No☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: July 12, 2011, July 12, 2011, July 12,
2011, July 12, 2011

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. 13/128,830, filed May 11, 2011

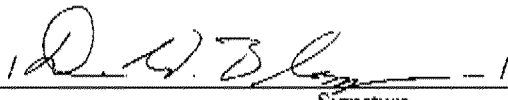
Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: David W. Black

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402-09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account
19-07438. 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
SignatureAugust 24, 2011
DateTotal number of pages including cover sheet: 7

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

Attorney Docket No. 600.736US1
Client Ref. No. Z09031

ASSIGNMENT

WHEREAS, We, **Jang-Yeon Park**, residing at 1370 Carling Dr. Apt. 306, St. Paul, MN 55108, and **Steen Moeller**, residing at 3337 26th Ave. N., Golden Valley, MN 55422, and **Ryan Chamberlain**, residing at 2175 Arcade St., Maplewood, MN 55109, and **Michael G. Garwood**, residing at 2867 Lakeshore Avenue, Medina, MN 55359, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on **May 11, 2011**, which application was assigned U.S. patent application serial number **13/128,830**, and is entitled SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI;

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"), an entity 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. 61/113,924, filed on November 12, 2008.

No U.S. Non-Provisional claim for priority is being made at this time.

PCT Application Serial No. PCT/US2009/064031, filed on November 11, 2009.

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

ASSIGNMENT

Client Ref. No. Z09031

Assignors: Jang-Yenn Park et al.

Title: SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI

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Docket No: 600,736US1

Serial Number: 13/128,830

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:

PATENT**REEL: 026813 FRAME: 0376**

ASSIGNMENT

Client Ref. No. Z09031

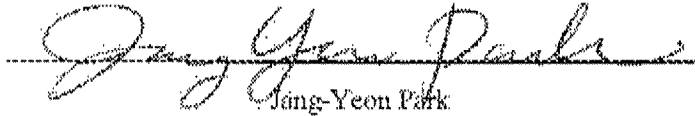
Assignors: Jang-Yeon Park et al.

Title: SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI

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Docket No: 600.7361/S1

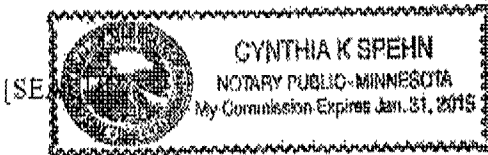
Serial Number: 137128,830

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day ofJuly, 2011.
Jang-Yeon ParkSTATE OF Minnesota

)ss

COUNTY OF Rice

On this 12th day of July, 2011 before me personally appeared Jang-Yeon Park, 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.


Notary Public

PATENT

REEL: 026813 FRAME: 0377

ASSIGNMENT

Client Ref. No. 209031

Assignors: Jang-Yoon Park et al.

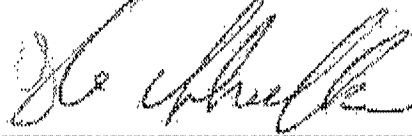
Title: SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI

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Docket No: 600,736,051

Serial Number: 13/128,830

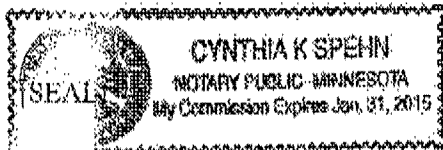
IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of July, 2011.



Steen Moeller

STATE OF Minnesota)
COUNTY OF Rice)ss

On this 12th day of July, 2012 before me personally appeared Steen Moeller, 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.




Notary Public



PATENT

REEL: 026813 FRAME: 0378

ASSIGNMENT

Client Ref. No. Z09031

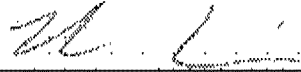
Assignors: Jung-Yoon Park et al.

Title: SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI

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Docket No: 600.736081

Serial Number: 13428,830

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day ofJuly, 20 11.

Ryan Chamberlain

STATE OF

Minnesota

)ss

COUNTY OF

Rice

On this 12th day of July, 20 11 before me personally appeared Ryan Chamberlain, 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.


Notary Public

PATENT

REEL: 026813 FRAME: 0379

ASSIGNMENT

Client Ref. No. 209031

Assignors: Jang-Yeon Park et al.

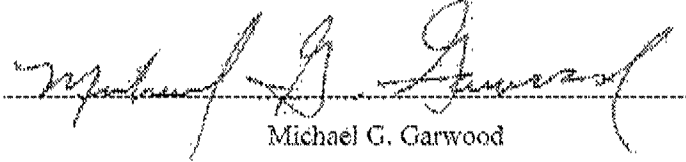
Title: SHORT TE 3D RADIAL SAMPLING SEQUENCE FOR MRI

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Docket No: 600,736(S1)

Serial Number: 13,128,830

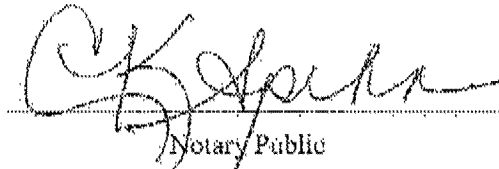
IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of July, 2011.


Michael G. Garwood

STATE OF MinnesotaCOUNTY OF Rice) ss

On this 12th day of July, 2011, before me personally appeared Michael G. Garwood, 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.




Notary Public

