

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KEVIN WADDELL</td> <td>01/22/2014</td> </tr> <tr> <td>CHONG CAI</td> <td>12/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	KEVIN WADDELL	01/22/2014	CHONG CAI	12/10/2013
Name	Execution Date						
KEVIN WADDELL	01/22/2014						
CHONG CAI	12/10/2013						
RECEIVING PARTY DATA							
Name:	Vanderbilt University						
Street Address:	305 Kirkland Hall, 2201 West End Avenue						
City:	Nashville						
State/Country:	TENNESSEE						
Postal Code:	37240						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13998342</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13998342		
Property Type	Number						
Application Number:	13998342						
CORRESPONDENCE DATA							
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Phone:	(414)271-6560						
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ATTORNEY DOCKET NUMBER:	093386-9064-US01						
NAME OF SUBMITTER:	MICHAEL R. LANGER						
Signature:	/mrtanger/						
Date:	03/07/2014						
Total Attachments: 2 source=14654957_093386-9064-US01_As_Filed_Declaration_Assignment#page1.tif source=14654957_093386-9064-US01_As_Filed_Declaration_Assignment#page2.tif							

## COMBINATION ASSIGNMENT-STATEMENT

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention:

NMR SPECTROSCOPY AND MRI METHODS AND SYSTEMS

DECLARATION

As a below named inventor I hereby declare that:

- This declaration is directed to:
  - The attached application, or
  - United States application or PCT international application number 13/998,342 filed on October 23, 2013.
- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willfull false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS, Vanderbilt University having an office and place of business at 305 Kirkland Hall, 2201 West End Avenue, Nashville, Tennessee, 37240, USA, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, I, the INVENTOR, agree to assign and hereby do sell, assign and transfer unto said **VANDERBILT UNIVERSITY** the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the INVENTION possessed by the INVENTOR, including the right to bring suit for damages due to past infringements; the same for **VANDERBILT UNIVERSITY'S** legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, I hereby bind myself, my heirs, legal representatives, administrators and assign properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **VANDERBILT UNIVERSITY**, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world;

AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

## LEGAL NAME OF INVENTOR

Inventor: Kevin WaddellDate: 1/22/14Signature: Witness: Raúl ColónDate: 1/22/14Signature: 

PATENT

REEL: 032378 FRAME: 0401

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AND, I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

LEGAL NAME OF INVENTOR

Inventor: Chong Cai Date: 12/10/2013

Signature: [Handwritten Signature]

Witness: Bin Zhang Date: 12/10/2013

Signature: [Handwritten Signature]

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