

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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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>XIAOLAN WANG</td> <td>12/06/2013</td> </tr> <tr> <td>YU ZOU</td> <td>12/09/2013</td> </tr> <tr> <td>ADAM PETSCHKE</td> <td>12/09/2013</td> </tr> </tbody> </table> | | Name | Execution Date | XIAOLAN WANG | 12/06/2013 | YU ZOU | 12/09/2013 | ADAM PETSCHKE | 12/09/2013 | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, SHIBAURA 1-CHOME, MINATO-KU</td> </tr> <tr> <td>City:</td> <td>TOKYO</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table> | | Name: | KABUSHIKI KAISHA TOSHIBA | Street Address: | 1-1, SHIBAURA 1-CHOME, MINATO-KU | City: | TOKYO | State/Country: | JAPAN | Postal Code: | 105-8001 |
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| <table border="1"> <tr> <td>Name:</td> <td>TOSHIBA MEDICAL SYSTEMS CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1385, SHIMOISHIGAMI, OTAWARA-SHI</td> </tr> <tr> <td>City:</td> <td>TOCHIGI</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>324-8550</td> </tr> </table> | | Name: | TOSHIBA MEDICAL SYSTEMS CORPORATION | Street Address: | 1385, SHIMOISHIGAMI, OTAWARA-SHI | City: | TOCHIGI | State/Country: | JAPAN | Postal Code: | 324-8550 |
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| 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>14103137</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14103137 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 14103137 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| Correspondent Name: | OBLON, SPIVAK, ET AL. | | | | | | | | | | |
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| Address Line 4: | ALEXANDRIA, VIRGINIA 22314 | | | | | | | | | | |

OP \$40.00 14103137

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| ATTORNEY DOCKET NUMBER: | 418750US20SX |
| NAME OF SUBMITTER: | CHAI VANG |
| Signature: | /Chai Vang/ |
| Date: | 12/11/2013 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 3 source=418750USAssignment#page1.tif source=418750USAssignment#page2.tif source=418750USAssignment#page3.tif | |

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

| | |
|---------------------------|--|
| Title of Invention | REFERENCE CALIBRATION IN PHOTON COUNTING BASED SPECTRAL CT |
|---------------------------|--|

As the below named inventor, I hereby declare that:

This declaration The attached application, or

is directed to: United States application or PCT international application number _____ filed on _____

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.

WHEREAS, KABUSHIKI KAISHA TOSHIBA and TOSHIBA MEDICAL SYSTEMS CORPORATION (hereinafter referred to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan and 1385, Shimoishigami, Otawara-shi, Tochigi 324-8550, Japan, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

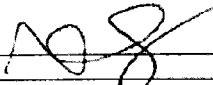
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Xiaolan WANG Date: 12/6/2013

Signature: 

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
 ATTORNEYS AT LAW
 1940 DUKE STREET
 ALEXANDRIA, VIRGINIA 22314

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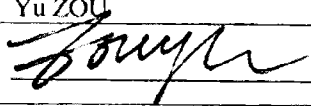
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LEGAL NAME OF INVENTOR

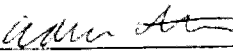
Inventor: Yu ZOU

Date: 12/9/2013

Signature: 

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
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| <p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Adam PETSCHKE</u> Date: <u>12/9/2013</u></p> <p>Signature: <u></u></p> | |

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