505770068 11/13/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT A. MINTZER	04/23/2014
JAMES CHRISTOPHER ARNOTT	04/23/2014
MEHMET AYKAC	04/21/2014
SANGHEE CHO	04/23/2014
PETER HANSEN	04/23/2014
MACIEJ P. KAPUSTA	04/10/2014
JAMES L. CORBEIL	04/17/2014
NAN ZHANG	04/10/2014

RECEIVING PARTY DATA

Name:	SIEMENS MEDICAL SOLUTIONS USA, INC.
Street Address:	40 LIBERTY BLVD
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16596901

CORRESPONDENCE DATA

Fax Number: (610)448-6857

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Phone: 407-736-2472

Email: IPDSMS.func@siemens-healthineers.com

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ATTORNEY DOCKET NUMBER: 2013P07405US01

NAME OF SUBMITTER: SARA L. HUARD

SIGNATURE: /Sara L. Huard/

505770068 REEL: 050988 FRAME: 0875

PATENT

DATE SIGNED:	11/13/2019
Total Attachments: 7	
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ASSIGNMENT

For good and valuable consideration, I (We),

Robert A. Mintzer, residing at 817 Concord Farms Lane, Knoxville, TN 37934, US, citizen of US James Christopher Arnott, residing at 10841 Snapdragon Way, Knoxville, TN 37931, US, citizen of US

Sanghee Cho, residing at 1707 Breezy Ridge Trail, Knoxville, TN 37922, US, citizen of KR Mehmet Aykac, residing at 11224 Nautical Drive, Knoxville, TN 37922, US, citizen of TR Peter Hansen, residing at 329 McFee Road, Knoxville, TN 37934, US, citizen of US Maciej P. Kapusta, residing at 521 Hidden Grove Road, Knoxville, TN 37934, US, citizen of PL James L. Corbeil, residing at 700 Dawson Creek Lane, Knoxville, TN 37922, US, citizen of US Nan Zhang, residing at 821 Lourdes Lane, Knoxville, TN 37934, US, citizen of CA

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Medical Solutions USA, Inc.**, a corporation organized and existing under the laws of DELAWARE, having its principal place of business at 51 Valley Stream Parkway, Malvern, PA, 19355-1406, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of UNITED STATES OF AMERICA or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of UNITED STATES OF AMERICA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

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Patent Application Title: Silicon Photomultiplier Based TOF-PET Detector

Filing Date (MM/DD/YYYY): 04/03/2014

Filing Number: 14/244,312

Internal Case Number(s): 2013P07405 US

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

- (II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- (III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature

Joe H. Camp, Jr.

printed name

Robert A. Mintzer

Date

Saul & Tru Witness Signature

printed name Earl R. mellen III.

James Christopher Arnott

7/23/201

Date

	MALL
Witness Signature	Mehmet Aykac
mehnet Ay koc printed name	4/21/14 Date
Witness Signature	Sanghee Cho
printed name	Date
Witness Signature	Peter Hansen
printed name	Date
Witness Signature	Maciej P. Kapusta
printed name	Date

Witness Signature	James L. Corbeil
printed name	Date

Witness Signature	Mehmet Aykac
printed name	Date
Witness Signature	Sanghee Cho
Joe H. Camp, Jr. printed name	4/23/20/4 Date
Witness Signature Stolan Siegel printed name	Peter Hansen 4/23/2014 Date
Witness Signature	Maciej P. Kapusta
printed name	Date
Witness Signature	James L. Corbeil
printed name	Date

Witness Signature	Mehmet Aykac
printed name	Date
Witness Signature	Sanghee Cho
printed name	Date
Witness Signature	Peter Hansen
printed name	Date
Witness Signature WAN ZHANG printed name	Maciej P. Kapusta 2014 - 04 - 10 Date
Witness Signature	James L. Corbeil
printed name	Date

Witness Signature	Mehmet Aykac
printed name	Date
Witness Signature	Sanghee Cho
printed name	Date
Witness Signature	Peter Hansen
printed name	Date
Witness Signature	Maciej P. Kapusta
printed name,	Date
William Wille	James L. Corbeil
printed name	4/17/2014 Date

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Witness Signature

MACIET KAPUSTA

printed name

Nan Zhang

4/10/14

Date

Companies Representative(s)

Siemens Medical Solutions USA, Inc.

Signature

Name

Peter Kendall, IP Counsel

Date

5/20/14

RECORDED: 11/13/2019