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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER KRAEMER	07/18/2018
MICHAEL MEYER	07/19/2018
MARTIN SEIFERT	07/17/2018

RECEIVING PARTY DATA

Name:	SIEMENS HEALTHCARE GMBH
Street Address:	HENKESTR. 127
City:	ERLANGEN
State/Country:	GERMANY
Postal Code:	91052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15980792

CORRESPONDENCE DATA

Fax Number: (703)668-8200

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ATTORNEY DOCKET NUMBER:	MBER: 32860HC-002833-US	
NAME OF SUBMITTER:	DONALD J DALEY, REG. NO. 34,313	
SIGNATURE:	/Donald J. Daley/	
DATE SIGNED:	08/22/2018	

Total Attachments: 6

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ASSIGNMENT

For good and valuable consideration, I (We),

Bernd Hofmann, residing at Egidienstr. 58, Erlangen, 91058, DE, citizen of DE

Christian Ullrich, residing at Mögeldorfer Hauptstraße 31, Nürnberg, 90482, DE, citizen of DE

Harald Graupner, residing at Kunigundenstr. 27, Erlangen, 91056, DE, citizen of DE

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

Hereby, (I) acknowledge having previously assigned, sold and transferred to Siemens Healthcare GmbH, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Henkestr. 127, Erlangen, 91052, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY 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 GERMANY 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)

Patent Application Title: OUTPUT OF POSITION INFORMATION OF A MEDICAL

INSTRUMENT

Filing Date: 01 Jun 2018 Filing Number: 15/995,194

Internal Case Number(s): 2017P06537 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;

IDNR: 1930 / 21.05.2015

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(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 agre conveyed has been made to others by the undersi herein expressed is possessed by the undersigned	gned, and that full right to convey the same as
Witness Signature	Bernd Hofmann
Christophe Della Honta	
Witness/Signature	Christian Ullrich
Rarin Rauwolf printed name	Date 7 19/4 10/5
Witness Signature	Harald Graupner
printed name	Date

Page 3 of 3

Companies Re Siemens Health	epresentative(s) ncare GmbH	. ;\$
Signature(s):	- 1V. B/CL	<u> </u>
Name(s):	Niewalda	Wolfram
Title:	Both Authorized Officers	
Date:	25 JUL 2018	

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Bernd Hofmann, residing at Egidienstr. 58, Erlangen, 91058, DE, citizen of DE

Christian Ullrich, residing at Mögeldorfer Hauptstraße 31, Nürnberg, 90482, DE, citizen of DE

Harald Graupner, residing at Kunigundenstr. 27, Erlangen, 91056, DE, citizen of DE

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

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Healthcare GmbH**, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Henkestr. 127, Erlangen, 91052, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY 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 GERMANY 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)

Patent Application Title: OUTPUT OF POSITION INFORMATION OF A MEDICAL

INSTRUMENT

Filing Date: **01 Jun 2018** Filing Number: **15/995,194**

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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;

IDNR: 1930 / 21.05.2015

Page 2 of 3

(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	Bernd Hofmann
printed name	Date
Witness Signature	Christian Ullrich
printed name	Date //
////////////////////////////////////	Harald Graupner
Vuerstle Maximilian printed name	2018 -07 - 17 Date

Page 3 of 3

Companies Rep Siemens Healtho		V. V.
Signature(s): _		<u> </u>
Name(s):	Niewalda	Wolfram
Title:	Both Authorized Officers	
Date:	25 JUL 2018	

PATENT REEL: 046658 FRAME: 0143

RECORDED: 08/22/2018