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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas Redel	07/08/2013

RECEIVING PARTY DATA

Name:	Siemens Aktiengesellschaft	
Street Address:	Wittelsbacherplatz 2	
City:	Munich	
State/Country:	GERMANY	
Postal Code:	80333	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13937313

CORRESPONDENCE DATA

Fax Number: 7323213014

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 732-321-3026

Email: IPDadmin.us@siemens.com

Correspondent Name: SIEMENS CORPORATION INTELLECTUAL PROPERT

Address Line 1: 170 WOOD AVENUE SOUTH Address Line 4: ISELIN, NEW JERSEY 08830

ATTORNEY DOCKET NUMBER:	2012P16719US01
NAME OF SUBMITTER:	Karen Avant
Signature:	/ka/
Date:	07/09/2013

Total Attachments: 3

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> PATENT REEL: 030756 FRAME: 0224

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ASSIGNMENT

For good and valuable consideration, I (We),

Thomas Redel, residing at Reuthstr. 3c, Poxdorf, 91099, DE, citizen of DE

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

Hereby, (i) acknowledge having previously assigned, sold and transferred to Siemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Wittelsbacherplatz 2, Munich 80333, Germany, 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)

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Patent Application Title: Computation of Hemodynamic Quantities From

Angiographic Data

Internal Case Number(s): 2012P16719 US01

Patent Application Title: A System and Method for Estimation of Fractional Flow

Reserve (FFR) from Angiography Data

Appin No. 61/669,325 Filed: July 9, 2012

internal Case Number(s): 2012P16719 US

Patent Application Title: Fractional Flow Reserve From X-Ray Angiography

Appin No. 61/812,346 Filed: April 16, 2013

Internal Case Number(s): 2013P07750US

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 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.

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Witness Signature

LUR MECH GUNTER

printed name

Thomas Redel

8.7.20/3 Date

Companies Representative(s) Siemens Aktiengesellschaft

Signature	
Name	
Date	
Signature	
Name	
Date	

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RECORDED: 07/09/2013