

PATENT ASSIGNMENT

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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>Wen Wu</td> <td>10/16/2012</td> </tr> <tr> <td>Terrence Chen</td> <td>11/06/2012</td> </tr> <tr> <td>Dorin Comaniciu</td> <td>10/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wen Wu	10/16/2012	Terrence Chen	11/06/2012	Dorin Comaniciu	10/23/2012
Name	Execution Date								
Wen Wu	10/16/2012								
Terrence Chen	11/06/2012								
Dorin Comaniciu	10/23/2012								
RECEIVING PARTY DATA									
Name:	Siemens Corporation								
Street Address:	170 Wood Avenue South								
City:	Iselin								
State/Country:	NEW JERSEY								
Postal Code:	08830								
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>13622426</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13622426				
Property Type	Number								
Application Number:	13622426								
CORRESPONDENCE DATA									
Fax Number:	7323213014								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7323213026								
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Correspondent Name:	Sandra Baker								
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Address Line 4:	Iselin, NEW JERSEY 08830								
ATTORNEY DOCKET NUMBER:	2011P21057US01								
NAME OF SUBMITTER:	Karen Avant								
Total Attachments: 3 source=Corp Assignment#page1.tif source=Corp Assignment#page2.tif source=Corp Assignment#page3.tif									

CH \$40.00 13622426

ASSIGNMENT

For good and valuable consideration, I (We),

Wen Wu, residing at 69 Princeton Arms North, East Windsor, NJ 08512, US, citizen of CN

Terrence Chen, residing at 18 Scarlet Oak Drive, Princeton, NJ 08540, US, citizen of US

Dorin Comaniciu, residing at 2 Stuart Lane West, Princeton Junction, NJ 08550, US, citizen of RO

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

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Corporation**, a corporation organized and existing under the laws of Delaware, having its principal place of business at 170 Wood Avenue South, Iselin, New Jersey, 08830, 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)

Patent Application Title: **Method and System for Tracking Catheters in 2D**

X-Ray Fluoroscopy Using a Graphics Processing Unit

Filing Date: 09/19/2012

Appln No. 13/622,426

Internal Case Number(s): 2011P21057 US01

Patent Application Title: **Method and System for Tracking Catheters in 2D X-Ray Fluoroscopy Using a Graphics Processing Unit**

Filing Date: 09/19/2011

Appln No. 61/536,109

Internal Case Number(s): 2011P21057 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

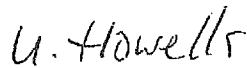
(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



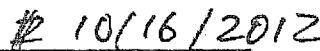
Witness Signature



Wen Wu



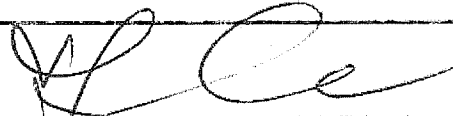
printed name



Date




Witness Signature



Terrence Chen



printed name



Date

W. Howells
Witness Signature

Dorin Comaniciu
Dorin Comaniciu

W. Howells
printed name

10/23/12
Date

Companies Representative(s)
Siemens Corporation

Daniel J. Staudt
Signature
Name
Daniel J. Staudt, Vice President

11/7/12
Date