

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Parmeshwar Khurd</td> <td>05/20/2013</td> </tr> <tr> <td>Ali Kamen</td> <td>05/20/2013</td> </tr> <tr> <td>Leo Grady</td> <td>02/21/2013</td> </tr> <tr> <td>Hari Sundar</td> <td>02/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Parmeshwar Khurd	05/20/2013	Ali Kamen	05/20/2013	Leo Grady	02/21/2013	Hari Sundar	02/21/2013
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Parmeshwar Khurd	05/20/2013										
Ali Kamen	05/20/2013										
Leo Grady	02/21/2013										
Hari Sundar	02/21/2013										
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>13810940</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13810940						
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Application Number:	13810940										
CORRESPONDENCE DATA											
Fax Number:	7323213014										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	732-321-3026										
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Address Line 4:	Iselin, NEW JERSEY 08830										
ATTORNEY DOCKET NUMBER:	2010P14821WOUS										
NAME OF SUBMITTER:	vrichman										
Signature:	/vr/										

Date:

06/19/2013

**Total Attachments: 7**

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**ASSIGNMENT**

For good and valuable consideration, I (We),

**Parmeshwar Khurd**, residing at 4301 Wessex Place, Princeton, NJ 08540, US, citizen of IN

**Ali Kamen**, residing at 15 La Costa Court, Skillman, NJ 08558, US, citizen of US

**Leo Grady**, residing at 1329 Lasuen Dr., Millbrae, CA 94030, US, citizen of US

**Hari Sundar**, residing at 516 Dawson Rd, #120, Austin, TX 78704, US, citizen of IN

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: Global Error Minimization In Image Mosaicking Using Graph Laplacians And Its Applications In Microscopy**  
International Filing Date (MM/DD/YYYY): 07/25/2011  
International Appl No.: PCT/US2011/045169  
US Filing Number: 13/810,940  
Internal Case Number(s): 2010P14821WOUS

**Patent Application Title: Global Error Minimization In Image Mosaicking Using Graph Laplacians And Its Applications In Microscopy**  
Filing Date (MM/DD/YYYY): 07/26/2010  
Filing Number: 61/367,484  
Internal Case Number(s): 2010P14821US

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.

Patent Application Title: **Global Error Minimization In Image Mosaicking Using Graph Laplacians And Its Applications In Microscopy**  
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(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

02/20/2013 ATILLA KIRALY  
printed name



Parmeshwar Khurd

02/20/2013  
Date

Angelika Formento  
Witness Signature

Ali Kamen  
Ali Kamen

Angelika Formento  
printed name

5/20/2013  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Leo Grady

\_\_\_\_\_  
printed name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Hari Sundar

\_\_\_\_\_  
printed name

\_\_\_\_\_  
Date

Companies Representative(s)  
Siemens Corporation

\_\_\_\_\_  
Signature  
Name Daniel J. Staudt

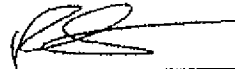
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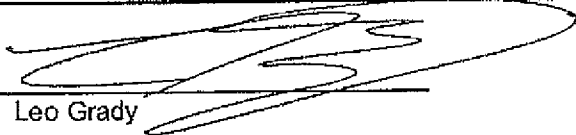
\_\_\_\_\_  
Ali Kamen

\_\_\_\_\_  
printed name

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Date

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Witness Signature

\_\_\_\_\_  


\_\_\_\_\_  
Leo Grady

\_\_\_\_\_  
Ronald Aron-Edwards  
printed name

\_\_\_\_\_  
2/21/13  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Hari Sundar

\_\_\_\_\_  
printed name

\_\_\_\_\_  
Date

Companies Representative(s)  
Siemens Corporation

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name Daniel J. Staudt

\_\_\_\_\_  
Date

Witness Signature

Parmeshwar Khurd

printed name

Date

Witness Signature

Ali Kamen

printed name

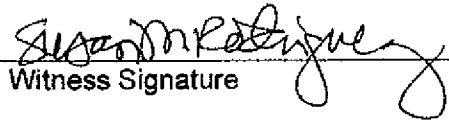
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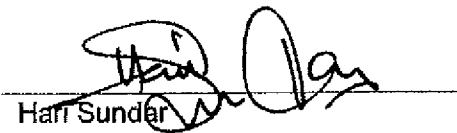
Leo Grady

printed name

Date

  
Witness Signature

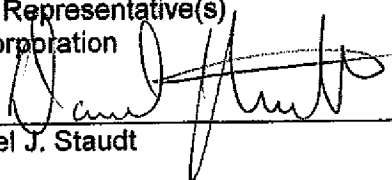
SUSAN M. RODRIGUEZ  
printed name

  
Hari Sunder

2/21/2013  
Date



Companies Representative(s)  
Siemens Corporation

Signature   
Name Daniel J. Staudt

Date June 19, 2013