

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>Sajendra Nithiannanthan</td> <td>08/14/2012</td> </tr> <tr> <td>Jeffrey H. SIEWERDSEN</td> <td>08/14/2012</td> </tr> <tr> <td>Daniel J. Mirota</td> <td>08/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sajendra Nithiannanthan	08/14/2012	Jeffrey H. SIEWERDSEN	08/14/2012	Daniel J. Mirota	08/22/2012
Name	Execution Date								
Sajendra Nithiannanthan	08/14/2012								
Jeffrey H. SIEWERDSEN	08/14/2012								
Daniel J. Mirota	08/22/2012								
RECEIVING PARTY DATA									
Name:	THE JOHNS HOPKINS UNIVERSITY								
Street Address:	3400 North Charles Street								
City:	Washington DC								
State/Country:	DISTRICT OF COLUMBIA								
Postal Code:	21218								
PROPERTY NUMBERS Total: 2									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1237797</td> </tr> <tr> <td>Application Number:</td> <td>61485580</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1237797	Application Number:	61485580		
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PCT Number:	US1237797								
Application Number:	61485580								
CORRESPONDENCE DATA									
Fax Number: Email: mthicks@venable.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: VENABLE LLP Address Line 1: 575 7th Street Address Line 4: Washington DC, DISTRICT OF COLUMBIA 20043-9998									
ATTORNEY DOCKET NUMBER:	02240-330791								
NAME OF SUBMITTER:	Henry J. Daley								
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif									

CH \$80.00 US1237797

WORLDWIDE ASSIGNMENT

WHEREAS Jeffrey H. SIEWERDSEN, Sajendra NITHIANANTHAN and Daniel J. MIROTA, hereinafter (collectively) referred to as the Assignor, have invented a certain improvement relating to METHOD AND SYSTEM FOR REGISTERING IMAGES for which said Assignor has caused an application for United States Letters Patent to be prepared,

[] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the U.S. Patent and Trademark Office;

[X] said applications having been filed in the U.S. Patent and Trademark Office on May 12, 2011, and given Application No. 61/485,580;

[X] said application having been filed under the Patent Cooperation Treaty on May 14, 2012, and given PCT/US2012/037797, the United States of America having been designated.

WHEREAS, The Johns Hopkins University, having a principal place of business located at 3400 North Charles Street, Baltimore, Maryland 21218, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, any non-provisional application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

WORLDWIDE ASSIGNMENT

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this _____ day of _____, 2012.

ASSIGNOR: Jeffrey H. Siewerden

Signature: _____

WITNESS:

Signature: _____
Name: Joseph W. Stymur
Address: 304 Gittings Ave
Baltimore, MD 21212

EXECUTED this _____ day of _____, 2012.

ASSIGNOR: Sajendra Nithiannanthan

Signature: _____

WITNESS:

Signature: _____
Name: _____
Address: _____

(attached)

EXECUTED this _____ day of _____, 2012.

ASSIGNOR: Daniel J. Mirota

Signature: _____

WITNESS:

Signature: _____
Name: _____
Address: _____

(attached)

VENABLE LLP
Washington, D.C. 20004

WORLDWIDE ASSIGNMENT

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this _____ day of _____, 2012.

ASSIGNOR: Jeffrey H. Siewerdsen

WITNESS:

Signature: _____

Signature: _____

Name: _____

Address: _____

EXECUTED this 14th day of August, 2012.

ASSIGNOR: Sajendra Nithiannanthan

WITNESS:

Signature: Sajendra Nithiannanthan

Signature: P. Schaffer

Name: S. Schaffer

Address: _____

EXECUTED this 22nd day of August, 2012.

ASSIGNOR: Daniel J. Mirota

WITNESS:

Signature: Daniel Mirota

Signature: Deborah DeFord

Name: DEBORAH DEFORD

Address: 3400 N. CHARLES ST

NEB 224

BALTIMORE, MD 21218

VENABLE LLP
Washington, D.C. 20004