

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>F. William Mauldin Jr.</td> <td>05/17/2012</td> </tr> <tr> <td>John A. Hossack</td> <td>05/16/2012</td> </tr> <tr> <td>Kevin Owen</td> <td>05/17/2012</td> </tr> </tbody> </table>	Name	Execution Date	F. William Mauldin Jr.	05/17/2012	John A. Hossack	05/16/2012	Kevin Owen	05/17/2012	
Name	Execution Date								
F. William Mauldin Jr.	05/17/2012								
John A. Hossack	05/16/2012								
Kevin Owen	05/17/2012								
RECEIVING PARTY DATA									
Name:	University of Virginia								
Street Address:	One Boar's Head Pointe								
City:	Charlottesville								
State/Country:	VIRGINIA								
Postal Code:	22904								
PROPERTY NUMBERS Total: 1									
Property Type	Number								
PCT Number:	US2012034945								
CORRESPONDENCE DATA									
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Correspondent Name:	University of Virginia Patent Foundation								
Address Line 1:	250 West Main Street, Suite 300								
Address Line 4:	Charlottesville, VIRGINIA 22902								
ATTORNEY DOCKET NUMBER:	01830-05								
NAME OF SUBMITTER:	Robert J. Decker								
Total Attachments: 4 source=Executed Assign-Invent to UVA (01830-05) (01097684)#page1.tif source=Executed Assign-Invent to UVA (01830-05) (01097684)#page2.tif source=Executed Assign-Invent to UVA (01830-05) (01097684)#page3.tif source=Executed Assign-Invent to UVA (01830-05) (01097684)#page4.tif									

CH \$40.00 US2012034945

ASSIGNMENT

WHEREAS, we, **F. William Mauldin, Jr., John A. Hossack, and Kevin Owen**, (the "Assignors"), have made an invention entitled

"BONE SURFACE IMAGE RECONSTRUCTION USING ULTRASOUND"

described in U. S. Patent Application Serial No. 61/479,072 filed on April 26, 2011; U.S. Patent Application Serial No. 61/547,175 filed on October 14, 2011; U.S. Patent Application Serial No. 61/569,685 filed on December 12, 2011; U.S. Patent Application Serial No. 61/597,317 filed on February 10, 2012; International Patent Application Serial No. PCT/US2012/034945 filed on April 25, 2012, and all subsequent patent applications claiming priority thereto; and

WHEREAS, the **University of Virginia**, One Boar's Head Pointe, P. O. Box 400301, Charlottesville, Virginia 22904-4301 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, including any tangible materials embodied in or encompassed by the invention and any trade secrets pertaining to the invention, and any improvements thereon, (the "Invention") and in and to said applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof (the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights, except that Assignee hereby grants back to the Assignors a royalty free non-transferable license to make and use the Invention under the Rights for educational and research purposes, only. If applicable, nothing herein shall be construed to affect or limit any pre-existing royalty-free rights required to be granted to the U.S. Government pursuant to 37 CFR part 401. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

AND Assignors hereby authorize and request the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said

invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

AND Assignors hereby represent, warrant and covenant that they have the full right to convey the entire interest herein assigned, that they have not executed and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignors further covenant and agree that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignors will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignors further covenant and agree that Assignors will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, Assignors have hereunto set their hands and seals.

Signature of Inventor / Date of Execution:

Inventor's Name:

Inventor's Resident Address:

F. William Mauldin, Jr. 5/17/12
F. William Mauldin, Jr., U.S. Citizen
760 Walker Square, Apt. 2C
Charlottesville, VA 22903

PLACE OF EXECUTION:

CHARLOTTESVILLE, VIRGINIA

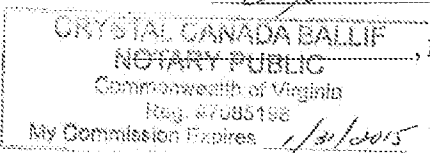
CITY OF CHARLOTTESVILLE)

) ss:

COMMONWEALTH OF VIRGINIA)

On this 17th day of May, 2012, before me, a Notary Public in and for the Commonwealth of Virginia, personally appeared F. William Mauldin, Jr., known to me (or proven by evidence of satisfactory identification) to be the person described in and who executed the foregoing instrument and acknowledged the same to be of their free act and deed for the uses and purposes therein set forth.

Crystal Canada Ballif [signature, please print name below]



Notary Public, my commission expires on 1/2/2015

PATENT

REEL: 028257 FRAME: 0527

Signature of Inventor / Date of Execution:

Inventor's Name:

Inventor's Resident Address:



John A. Hossack, U.S. Citizen

617 Davis Avenue

Charlottesville, VA 22901

PLACE OF EXECUTION:

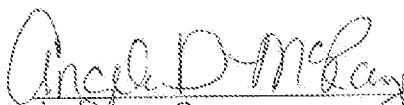
CHARLOTTESVILLE, VIRGINIA

CITY OF CHARLOTTESVILLE)

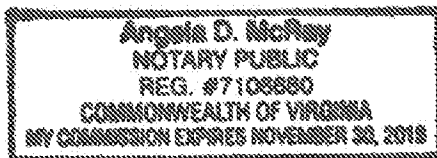
) ss:

COMMONWEALTH OF VIRGINIA)

On this 16 day of May, 2012, before me, a Notary Public in and for the Commonwealth of Virginia, personally appeared John A. Hossack, known to me (or proven by evidence of satisfactory identification) to be the person described in and who executed the foregoing instrument and acknowledged the same to be of their free act and deed for the uses and purposes therein set forth.



Angela D. McRay Notary Public; my commission expires on 11-30-2015



Signature of Inventor / Date of Execution: _____

Inventor's Name: _____

Inventor's Resident Address: _____

Kevin Owen, Citizen of United Kingdom

1304 Stonegate Ct.

Crozet, VA 22932

PLACE OF EXECUTION: _____

CHARLOTTESVILLE, VA

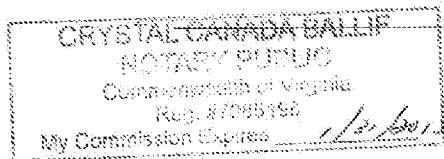
CITY OF CHARLOTTESVILLE)

) ss:

COMMONWEALTH OF VIRGINIA)

On this 17th day of May, 2012, before me, a Notary Public in and for the Commonwealth of Virginia, personally appeared Kevin Owen, known to me (or proven by evidence of satisfactory identification) to be the person described in and who executed the foregoing instrument and acknowledged the same to be of their free act and deed for the uses and purposes therein set forth.

Crystal Canada Ballif [signature, please print name below]

_____, Notary Public, my commission expires on 1/21/2015