


Client Code: CMUNI.001A

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>a. James Osborn b. Louis J. Denes c. Daniel Huber</p> <p>Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> Carnegie Mellon University <b>Street Address:</b> 5000 Forbes Avenue <b>City:</b> Pittsburgh <b>State:</b> PA <b>ZIP:</b> 15213</p> <p>Additional name(s) of receiving party(ies) attached? ( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>a. February 25, 2009 b. February 20, 2009 c. December 16, 2008</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 11/223,565 Filing Date: September 9, 2005</p> <p>Additional numbers attached? ( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> CMUNI.001A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40.00</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>Gregory Tse</u> Name of Person Signing</p> <p><u>63,119</u> Registration No.</p> <p><u></u> Signature</p> <p><u>3/9/09</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 5</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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**PATENT**  
**REEL: 022375 FRAME: 0639**

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Application No.: 11/223,565  
Filing Date: September 9, 2005

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### **ASSIGNMENT**

WHEREAS, We, James Osborn, a U.S. citizen, having a place of residence at 21 Oak Glen Drive, Oakmont, PA 15139, Louis J. Denes, a U.S. citizen, having a place of residence at 162 Del Rio Drive, Pittsburgh, PA 15236, and Daniel Huber, a U.S. citizen, having a place of residence at 1271 Beechwood Boulevard, Pittsburgh, PA 15206, along with other inventors, have invented certain new and useful improvements in a METHOD OF ASSESSING LOCALIZED SHAPE AND TEMPERATURE OF THE HUMAN BODY for which we have filed an application for Letters Patent in the United States, U.S. Patent Application No. 11/223,565, filed on September 9, 2005;

AND WHEREAS, Carnegie Mellon University (hereinafter "ASSIGNEE"), a corporation, with its principal place of business at 5000 Forbes Avenue, Pittsburgh, PA 15213-3890, desires to acquire our entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, James Osborn, Louis J. Denes, and Daniel Huber, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 60/608,507, filed September 9, 2004), and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.


AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Application No.: 11/223,565  
Filing Date: September 9, 2005

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25<sup>th</sup> day of February, 2009

  
James Osborn


STATE OF Pennsylvania }  
COUNTY OF Allegheny } ss.

On 25<sup>th</sup> of Feb., <sup>2009</sup>, before me, Emma Jean Harpley, notary public, personally appeared James Osborn who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

  
Notary Signature

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Emma Jean Harpley, Notary Public  
City of Pittsburgh, Allegheny County  
My Commission Expires Dec. 14, 2012  
Member, Pennsylvania Association of Notaries

Application No.: 11/223,565  
 Filing Date: September 9, 2005

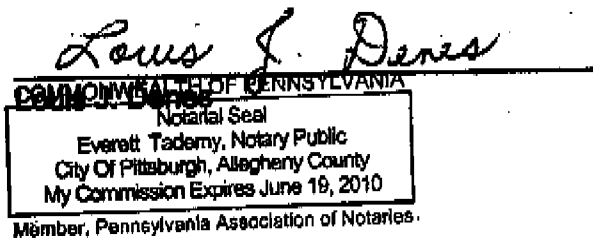
**PATENT**  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20th day of  
February, 2009.

STATE OF

COUNTY OF

ss.



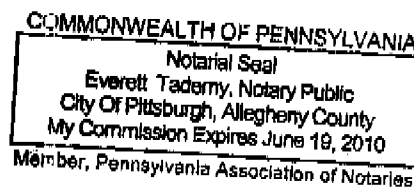
On 5 March 2009 before me, Everett Tademy, notary public,  
 personally appeared Louis J. Denes who proved to me on the basis of satisfactory evidence to  
 be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged  
 to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on  
 the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed  
 the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

Everett Tademy  
 Notary Signature



**PATENT**

REEL: 022375 FRAME: 0642

Application No.: 11/223,565  
Filing Date: September 9, 2005

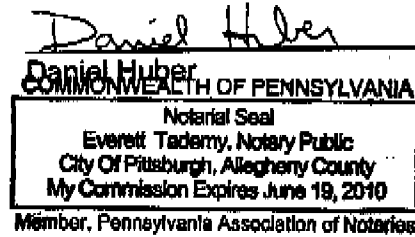
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16<sup>th</sup> day of December, 2008.

STATE OF

COUNTY OF

SS.



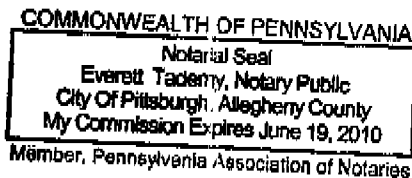
On 8 March 2009, before me, Everett Tadeny, notary public, personally appeared Daniel Huber who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

Everett Tadeny  
Notary Signature



ASSIGN2

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