

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
University of Virginia	06/01/2009
RECEIVING PARTY DATA	
Name:	University of Virginia Patent Foundation
Street Address:	250 West Main Street, Suite 300
City:	Charlottesville
State/Country:	VIRGINIA
Postal Code:	22902
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12516044
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NAME OF SUBMITTER:	Robert J. Decker
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ASSIGNMENT

WHEREAS, the **University of Virginia**, One Morton Drive, P. O. Box 400301, Charlottesville, Virginia 22904-4301 (the "Assignor") possesses the right, title and interest for and in an invention entitled

**"METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR THE
DETECTION OF PHYSICAL ACTIVITY BY CHANGES IN HEART RATE,
ASSESSMENT OF FAST CHANGING METABOLIC STATES, AND
APPLICATIONS OF CLOSED AND OPEN CONTROL LOOP IN DIABETES"**

described in U. S. Provisional Patent Application Serial No. 60/861,217, filed November 27, 2006, U.S. Provisional Patent Application Serial No. 60/919,103, filed March 20, 2007, U.S. Provisional Patent Application Serial No. 60/982,251, filed October 24, 2007; International Patent Application No. PCT/US2007/085588, filed November 27, 2007; U.S. Patent Application Serial No. 12/516,044, filed May 22, 2009, and any subsequent patent applications claiming priority thereto; and

WHEREAS, the **University of Virginia Patent Foundation**, a non-profit organization having a place of business at 250 West Main Street, Suite 300, Charlottesville, Virginia 22902 (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, Assignor has 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 Assignor a royalty free non-transferable license to make and use the Invention under the Rights for educational and research purposes, only. 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 Assignor hereby authorizes and requests 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 Assignor hereby represents, warrants and covenants that it has the full right to convey the entire interest herein assigned, that it has 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 Assignor further covenants and agrees 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 Assignor 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 Assignor further covenants and agrees that Assignor 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, said Assignor has hereunto set its hand and seal.

Signature of
Representative for Assignor:



David J. Hudson

Representative's Title:

Associate Vice President for Research
and Graduate Studies, University of Virginia

Place of Execution:

Charlottesville, Virginia

CITY OF CHARLOTTESVILLE)
) SS:
COMMONWEALTH OF VIRGINIA)

On this 1st day of June, 2009, before me, a Notary Public at large in and for the Commonwealth of Virginia, personally appeared David J. Hudson, to me known and known to be the Associate Vice President for Research and Graduate Studies of the University of Virginia, who executed the foregoing instrument in my presence, and acknowledged the same to be his and said organization's free act and deed.




Kathleen A. Moore, Notary Public
Notary Registration No.: 100647
My commission expires on July 31, 2012

PATENT

RECORDED: 06/03/2009

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