

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE				
CONVEYING PARTY DATA					
<table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>University of Virginia Patent Foundation</td><td>06/11/2009</td></tr></table>	Name	Execution Date	University of Virginia Patent Foundation	06/11/2009	
Name	Execution Date				
University of Virginia Patent Foundation	06/11/2009				
RECEIVING PARTY DATA					
Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government				
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)				
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980				
City:	Bethesda				
State/Country:	MARYLAND				
Postal Code:	20892-7980				
PROPERTY NUMBERS Total: 1					
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>12516044</td></tr></table>	Property Type	Number	Application Number:	12516044	
Property Type	Number				
Application Number:	12516044				
CORRESPONDENCE DATA					
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NAME OF SUBMITTER:	Director,DEITR,NIH				
Total Attachments: 1 source=12516044,LAB,09-20-2010#page1.tif					

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PATENT  
REEL: 025014 FRAME: 0633

# License to the United States Government

**Invention Title:** 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

**Inventor(s):** Boris P.Kovatchev and Marc D. Breton

**Patent Application Serial No.** 12/516,044 Filed on May 22, 2009

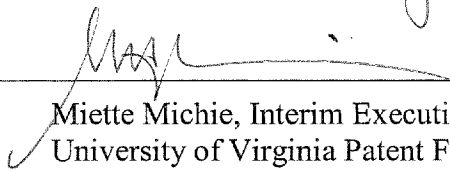
**Grant Identification Number(s):** RO1 DK51562

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14 or FAR 52.227-11**, which are included among the terms of the above-identified grant/contract award from the United States Government. This document is confirmatory of:

- I. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
- II. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations which are applicable to the award.

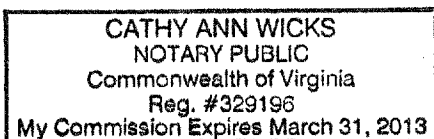
The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application

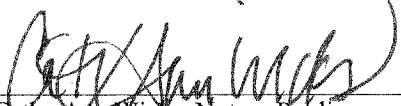
Signed this 14<sup>th</sup> day of June 2009.

By:   
Miette Michie, Interim Executive Director and CEO  
University of Virginia Patent Foundation  
250 West Main Street, Suite 300  
Charlottesville, VA 22902

CITY OF CHARLOTTESVILLE, COMMONWEALTH OF VIRGINIA

On this 14<sup>th</sup> day of June 2009, before me, a Notary Public for the Commonwealth of Virginia, personally appeared Miette Michie, to me well known, and known to be the Interim Executive Director and CEO of the University of Virginia Patent Foundation, a non-profit organization of the Commonwealth of Virginia and executed the foregoing instrument in my presence, and acknowledged the same to be his and said organization's free act and deed.



  
Cathy Ann Wicks, Notary Public  
My Commission Expires March 30, 2013

**PATENT**

**RECORDED: 09/20/2010**

**REEL: 025014 FRAME: 0634**