

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| | |
|---|-----------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Harry K. Charles Jr. | 08/20/2009 |
| Russell P. Cain | 08/20/2009 |
| RECEIVING PARTY DATA | |
| Name: | Johns Hopkins University |
| Street Address: | 34th and Charles Street |
| City: | Baltimore |
| State/Country: | MARYLAND |
| Postal Code: | 21218 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12503600 |
| CORRESPONDENCE DATA | |
| Fax Number: | (240)228-5254 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 240-228-5640 |
| Email: | Julia.Borchers@jhuapl.edu |
| Correspondent Name: | Francis A. Cooch |
| Address Line 1: | 11100 Johns Hopkins Rd. |
| Address Line 2: | MS 7-151 |
| Address Line 4: | Laurel, MARYLAND 20723-6099 |
| ATTORNEY DOCKET NUMBER: | 2626-SPL |
| NAME OF SUBMITTER: | Francis A. Cooch |
| Total Attachments: 2 source=2626SPLAssign#page1.tif source=2626SPLAssign#page2.tif | |

CH \$40.00 12503600

500943071

PATENT
REEL: 023130 FRAME: 0571

ASSIGNMENT

WHEREAS, Harry K. Charles, Jr. and Russell P. Cain, hereinafter referred to as the ASSIGNORS, have made an invention as described in a United States patent application no. 12/503,600, filed July 15, 2009, entitled:

Apparatus and Methods for Monitoring Physiological Functions

which application was executed by them on 03/20/2009 and 03/20/2009, respectively; and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of their employment by ASSIGNEE, the ASSIGNORS do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNORS had this agreement not been made.

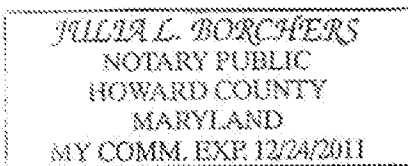
THE ASSIGNORS here further agree to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

THE ASSIGNORS hereby covenant that they have the right to grant the foregoing assignment.

Harry K. Charles, Jr. SEAL 8/20/09 DATE
Harry K. Charles, Jr.
STATE OF MARYLAND
COUNTY OF Howard

On this 20 day of August, 2009, before me, the undersigned officer, personally appeared the above-named Harry K. Charles, Jr., known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.



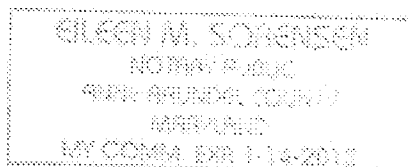
Julia L. Borchers
Signature
Julia L. Borchers
Printed Name

Notary Public
My Commission expires 12/24/2011

Russell P. Cain SEAL 8/20/09 DATE
Russell P. Cain
STATE OF MARYLAND
COUNTY OF Anne Arundel

On this 20th day of August, 2009, before me, the undersigned officer, personally appeared the above-named Russell P. Cain, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.



Eileen M. Sorensen
Signature
EILEEN M. SORENSSEN
Printed Name

Notary Public
My Commission expires 01/14/2012