

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Paul S. Addison</td> <td>11/14/2011</td> </tr> <tr> <td>James Watson</td> <td>10/07/2011</td> </tr> </tbody> </table>		Name	Execution Date	Paul S. Addison	11/14/2011	James Watson	10/07/2011
Name	Execution Date						
Paul S. Addison	11/14/2011						
James Watson	10/07/2011						
RECEIVING PARTY DATA							
Name:	Nelcor Puritan Bennett Ireland						
Street Address:	Michael Collins Road						
City:	Mervue, Galway						
State/Country:	IRELAND						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13243619</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13243619		
Property Type	Number						
Application Number:	13243619						
CORRESPONDENCE DATA							
Fax Number:	(303)305-2224						
Phone:	303-305-2400						
Email:	ip.legal@covidien.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Nelcor Puritan Bennett LLC						
Address Line 1:	6135 Gunbarrel Avenue						
Address Line 2:	IP Legal						
Address Line 4:	Boulder, COLORADO 80301						
ATTORNEY DOCKET NUMBER:	H-RM-02502						
NAME OF SUBMITTER:	Sean O. Christofferson						
Total Attachments: 3 source=HRM02502ASSGNX#page1.tif source=HRM02502ASSGNX#page2.tif source=HRM02502ASSGNX#page3.tif							

CH \$40.00 13243619

PATENT

**ASSIGNMENT**

WHEREAS, I (we), the undersigned

1. Paul S. Addison of Edinburgh Midlothian UK;
2. James Watson of Dunfermline, Fife UK

(hereinafter, individually referred to as "ASSIGNOR" and collectively referred to "ASSIGNORS" ) am (are) inventor(s) of the subject matter which is claimed and for which a patent is sought based on the patent application entitled:

**SYSTEMS AND METHODS FOR ANALYZING A  
PHYSIOLOGICAL SENSOR SIGNAL**

and which may be further identified below (hereinafter, the "Patent Application").

NOW THEREFORE, I (we), the ASSIGNOR(S), in consideration of my (our) past and/or present relationship with the ASSIGNEE (defined below) or an affiliate thereof, and for other good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, do(es) hereby:

SELL, ASSIGN AND TRANSFER to **Nellcor Puritan Bennett Ireland** (hereinafter, the "ASSIGNEE"), a legal entity of the Republic of Ireland, having a place of business at **Michael Collins Road, Mervue, Galway, Ireland**, the entire right, title and interest for the United States and all foreign countries in and to any invention(s) and all improvements which are disclosed in the Patent Application and all divisional, continuation, continuation-in-part, substitute, renewal, reissue, re-examinations, and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries relating to such inventions and improvements; all original and reissued or re-examined patents which have been or shall be issued in the United States and all foreign countries for such invention(s) and improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on the Patent Application, and the right to sue for past, present and future infringement of any patents issuing from the Patent Application;

AUTHORIZE AND REQUEST ASSIGNEE, its successors and assigns, or any attorney it may properly designate and/or to insert into this assignment additional information, such as that listed below, identifying the Patent Applications after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on the Patent Application to the ASSIGNEE,


AUTHORIZE the ASSIGNEE to apply for such patents for the invention in its own name;

WARRANT AND COVENANT that no assignment, grant, mortgage, lien, license or other encumbrance or agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the ASSIGNOR(S);

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuation, continuation-in-part, substitute, renewal, reissue, re-examinations, and all other patent applications based on the Patent Application, including any and all such invention(s) and improvements entitled; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers relating to the foregoing; (3) communicate to the ASSIGNEE all facts known to the undersigned relating to the Patent Application, including any and all invention(s) and improvements disclosed therein and the history relating thereto; (4) cooperate with the ASSIGNEE in any interference, opposition, dispute, or litigation involving any of the applications or patents for such invention(s) and improvements, including but not limited to testifying; and (5) generally do everything possible which the ASSIGNEE shall consider desirable for vesting title to such invention(s) and improvements in the ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for such inventions(s) and improvements; and

AGREES THAT THIS ASSIGNMENT IS BINDING upon the heirs, assigns, representatives and successors of the undersigned and extends to the successors, assigns and nominees of the ASSIGNEE.

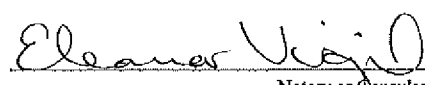
<u>Additional Patent Application Information</u>	
U.S. Provisional Application Serial No. _____	filed on _____
U.S. Non-Provisional Application Serial No. <u>13/243619</u>	filed on <u>September 23, 2011</u>
International Application Serial No. _____	filed on _____

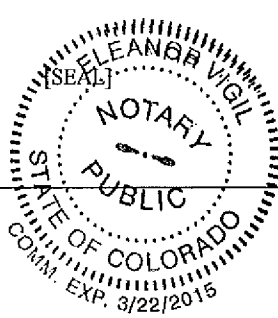
(Signature):   
Name: **Paul S. Addison**

Date: 14 November 2011

STATE OF Colorado §  
COUNTY OF Boulder § ss.  
§

BEFORE ME, the undersigned authority, on this 14th day of November, 2011, personally appeared **Paul S. Addison** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

  
Notary or Consular Officer



(Signature): *[Signature]*  
Name: James Watson

Date: 7 October 2011

STATE OF Colorado §  
COUNTY OF Boulder § ss.  
§

BEFORE ME, the undersigned authority, on this 7<sup>th</sup> day of October, 2011, personally appeared James Watson known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

ISEACATHI DOHERTY  
NOTARY PUBLIC  
STATE OF COLORADO

*[Signature]*  
Notary or Consular Officer

My Commission Expires 12/27/13