**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINWEI WENG</td>
<td>12/01/2011</td>
</tr>
<tr>
<td>JAMES OCHS</td>
<td>03/07/2012</td>
</tr>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>NELLCOR PURITAN BENNETT LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>6135 GUNBARREL AVENUE</td>
</tr>
<tr>
<td>City:</td>
<td>BOULDER</td>
</tr>
<tr>
<td>State/Country:</td>
<td>COLORADO</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>80301</td>
</tr>
</tbody>
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### PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>14273355</td>
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### CORRESPONDENCE DATA

Fax Number:  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Email: ip.legal@covidien.com  
Correspondent Name: COVIDIEN LP ATTN: IP LEGAL  
Address Line 1: 6135 GUNBARREL AVENUE  
Address Line 4: BOULDER, COLORADO 80301

### ATTORNEY DOCKET NUMBER:  
H-RM-02590-1CON/CVDN29CON

### NAME OF SUBMITTER:  
ALEXANDER SHVARTS

### SIGNATURE:  
/Alexander Shvarts/

### DATE SIGNED:  
07/16/2014

Total Attachments: 3
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**EPAS ID: PAT2941757**

**502895160 07/16/2014**
ASSIGNMENT

WHEREAS, I (we), the undersigned

1. Binwei Weng of Boulder CO 80301;
2. James Ochs of Seattle WA 98109

(herinafter, 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 DETECTING ARRHYTHMIA FROM A
PHYSIOLOGICAL SIGNAL

and which may be further identified below (herinafter, 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 LLC (herinafter, the
“ASSIGNEE”), a legal entity of the State of Delaware, having a place of business at 6135
Gunbarrel Avenue, Boulder, Colorado 80301, 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,
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;

AUTHORIZED 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;

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

AUTHORIZED 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.

Additional Patent Application Information

U.S. Provisional Application Serial No. ______________, filed on ______________.
U.S. Non-Provisional Application Serial No. 13/307927, filed on November 30, 2011.
International Application Serial No. ______________, filed on ______________.

(Signature): ___________________________ Name: Binwei Weng
Date: ______________

STATE OF COLORADO $ ss.
COUNTY OF BOULDER $ ss.

BEFORE ME, the undersigned authority, on this 1st day of December, 2011, personally appeared Binwei Weng 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.

CATHI DOHERTY
NOTARY PUBLIC
STATE OF COLORADO
Notary Public
My Commission Expires 12/27/13

Version 1
12/1/2011 BDI.

PATENT
REEL: 033328 FRAME: 0252
STATE OF COLORADO §
COUNTY OF BOULDER § ss.

BEFORE ME, the undersigned authority, on this 7th day of March, 2012, personally appeared James Ochs 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.

CATHI DOHERTY
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 12/27/2013