

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT								
NATURE OF CONVEYANCE:	Corrective Assignment to correct the location of the legal entity on the originally recorded assignment document to properly read Republic of Ireland previously recorded on Reel 022236 Frame 0877. Assignor(s) hereby confirms the the legal entity of the State of Delaware.								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>James Nicholas Watson</td><td>07/03/2009</td></tr><tr><td>Paul Stanley Addison</td><td>05/12/2009</td></tr></tbody></table>		Name	Execution Date	James Nicholas Watson	07/03/2009	Paul Stanley Addison	05/12/2009		
Name	Execution Date								
James Nicholas Watson	07/03/2009								
Paul Stanley Addison	05/12/2009								
RECEIVING PARTY DATA									
<table border="1"><tr><td>Name:</td><td>Nellcor Puritan Bennett Ireland</td></tr><tr><td>Street Address:</td><td>Michael Collins Road</td></tr><tr><td>City:</td><td>Mervue, Galway</td></tr><tr><td>State/Country:</td><td>IRELAND</td></tr></table>		Name:	Nellcor Puritan Bennett Ireland	Street Address:	Michael Collins Road	City:	Mervue, Galway	State/Country:	IRELAND
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PROPERTY NUMBERS Total: 2									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>61080897</td></tr><tr><td>Application Number:</td><td>12245435</td></tr></tbody></table>		Property Type	Number	Application Number:	61080897	Application Number:	12245435		
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CORRESPONDENCE DATA									
Fax Number: (203)492-8232 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 303-305-2400									
Email: eleanor.vigil@covidien.com									
Correspondent Name: Nellcor Puritan Bennett LLC									
Address Line 1: 60 Middletown Avenue									
Address Line 2: IP Legal									
Address Line 4: North Haven, CONNECTICUT 06473									
ATTORNEY DOCKET NUMBER:	H-RM-01259-02								
NAME OF SUBMITTER:	Thomas A. Dougherty								

CH \$80.00 61080897

500924555

PATENT
REEL: 023029 FRAME: 0656

Total Attachments: 15

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:NELLCOR PURITAN BENNETT L. COMPANY:60 MIDDLETOWN AV.UE

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.102/10/2009
500777811

SUBMISSION TYPE:	NEW ASSIGNMENT								
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CONVEYING PARTY DATA									
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Address Line 4: North Haven, CONNECTICUT 06473									
ATTORNEY DOCKET NUMBER:	H-RM-01259-02								
NAME OF SUBMITTER:	Thomas A. Dougherty								
Total Attachments: 3 source=H_RM_01259_02_AssgnX#page1.tif source=H_RM_01259_02_AssgnX#page2.tif									

CH \$80.00 61080897

:NELLCOR PURITAN BENNETT L. COMPANY:60 MIDDLETOWN AV. UE

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ASSIGNMENT

WHEREAS, we, the undersigned:

1. James Nicholas Watson of Dunfermline, UK; and
2. Paul Stanley Addison of Edinburgh, UK; and

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

"Signal Processing Systems And Methods Using Basis Functions And Wavelet Transforms"

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

NOW THEREFORE, we, the ASSIGNORS, in consideration of 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, does 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.

Additional Patent Application Information

U.S. Provisional Application Serial No. 61/080897 filed on July 15, 2008.

U.S. Non-Provisional Application Serial No. 12/245435, filed on October 3, 2008.

International Application Serial No. _____, filed on _____.

(Signature): 
Name: **James Nicholas Watson**

Date: 3 July 2009

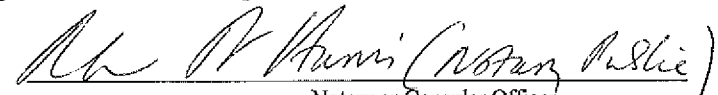
STATE OF EDINBURGH §

§ ss.

COUNTY OF WILKOTMAN § SCOTLAND

BEFORE ME, the undersigned authority, on this 3rd day of JULY, 2009, personally appeared **James Nicholas Watson** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

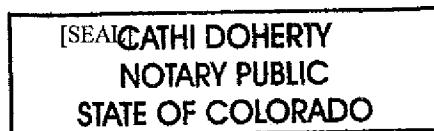

Notary or Consular Officer
ANDREW JOHN FORSYTH HARRIS
QUARTER MILE ONE, 15 LAVERISTON PLACE, EDINBURGH, EH3 9EP
My Commission Expires: _____

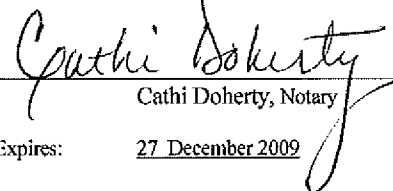
(Signature): 
Name: **Paul Stanley Addison**

Date: 12 MAY 2009

STATE OF COLORADO §
§ ss.
COUNTY OF BOULDER §

BEFORE ME, the undersigned authority, on this 12th day of May 2009 personally appeared **Paul Stanley Addison** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.




Cathi Doherty, Notary
My Commission Expires: 27 December 2009

MY COMMISSION EXPIRES (12-27-09)

ASSIGNMENT

WHEREAS, we, the undersigned:

1. James Nicholas Watson of Dunfermline, UK; and
2. Paul Stanley Addison of Edinburgh, UK; and

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

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NOW THEREFORE, we, the ASSIGNORS, in consideration of 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, does hereby:

SELL, ASSIGN AND TRANSFER to **Nelcor Puritan Bennett Ireland** (hereinafter, the "ASSIGNEE"), a legal entity of the ~~State of Delaware~~, ^{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;

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Name: **James Nicholas Watson**

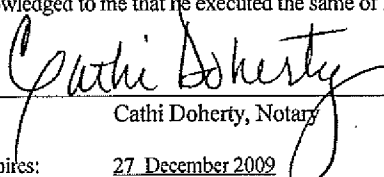
Date: 7 November 2008

STATE OF COLORADO §

§ ss.
COUNTY OF BOULDER §

BEFORE ME, the undersigned authority, on this 7th day of November, 2008, personally appeared **James Nicholas Watson** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

SEAL
CATHI DOHERTY
NOTARY PUBLIC
STATE OF COLORADO


Cathi Doherty, Notary
My Commission Expires: 27 December 2009

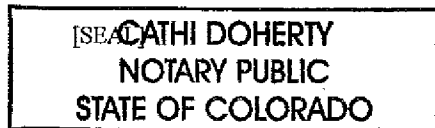
MY COMMISSION EXPIRES (12-27-09)

(Signature): *PSA*
Name: **Paul Stanley Addison**

Date: 7 NOV 2008

STATE OF COLORADO §
§ ss.
COUNTY OF BOULDER §

BEFORE ME, the undersigned authority, on this 7th day of November, 2008, personally appeared **Paul Stanley Addison** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Cathi Doherty
Cathi Doherty, Notary
My Commission Expires: 27 December 2009

MY COMMISSION EXPIRES (12-27-09)