

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nellcor Puritan Bennett LLC	09/29/2012
RECEIVING PARTY DATA	
Name:	Covidien LP
Street Address:	15 Hampshire Street
City:	Mansfield
State/Country:	MASSACHUSETTS
Postal Code:	02048
PROPERTY NUMBERS Total: 45	
Property Type	Number
Application Number:	11698968
Patent Number:	6748254
Patent Number:	7113815
Application Number:	11482258
Patent Number:	7277741
Patent Number:	7016715
Application Number:	11247427
Patent Number:	7289837
Application Number:	11495413
Patent Number:	7190986
Application Number:	11715257
Application Number:	10796584
Patent Number:	7047056
Patent Number:	7142142
Patent Number:	7355539

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Patent Number:	7400919
Patent Number:	7190985
Application Number:	12172981
Patent Number:	7212847
Patent Number:	7120479
Patent Number:	7215985
Patent Number:	7120480
Patent Number:	7373192
Patent Number:	7194293
Patent Number:	7890154
Patent Number:	7474907
Patent Number:	7162288
Patent Number:	7209774
Patent Number:	7039538
Patent Number:	7096868
Application Number:	13619531
Application Number:	13618359
Application Number:	11453693
Patent Number:	7657163
Patent Number:	7706852
Patent Number:	7931599
Application Number:	12821018
Patent Number:	8255025
Patent Number:	8062221
Patent Number:	8229530
Application Number:	13547881
Application Number:	12165256
Application Number:	12399304
Patent Number:	8092379
Application Number:	13323570

CORRESPONDENCE DATA

Fax Number: 3033052224

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 303-305-2400

Email: ip.legal@covidien.com

PATENT
REEL: 029330 FRAME: 0562

Correspondent Name: Covidien LP
Address Line 1: 6135 Gunbarrel Avenue
Address Line 2: IP Legal
Address Line 4: Boulder, COLORADO 80301

NAME OF SUBMITTER:	Matthew D. Colagrosso
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Total Attachments: 116

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EXECUTION VERSION

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (this “Agreement”), dated as of September 29, 2012, is by and between Nellcor Puritan Bennett LLC (formerly known as Nellcor Puritan Bennett Inc.), a Delaware limited liability company (the “Assignor”) and Covidien LP (formerly known as Tyco Healthcare Group LP), a Delaware limited partnership (the “Assignee”).

WHEREAS, the Assignor and the Assignee are party to that certain Contribution Agreement, dated as of September 29, 2012 (the “Contribution Agreement”), pursuant to which the Assignor contributed to the Assignee certain assets, including all of its right, title and interest in and to certain of the patents and patent applications set forth on Schedule I hereto and all of its right, title and interest in and to certain of the trademark registrations and applications for registration set forth on Schedule II hereto and all goodwill associated therewith;

WHEREAS, the Assignor and the Assignee are party to that certain Assignment and Assumption Agreement, dated as of September 29, 2012 (the “Assignment and Assumption Agreement”), pursuant to which the Assignor transferred, assigned, conveyed and delivered to the Assignee certain assets and liabilities, including all of its right, title and interest in and to certain of the patents and patent applications set forth on Schedule I hereto and all of its right, title and interest in and to certain of the trademark registrations and applications for registration set forth on Schedule II hereto and all goodwill associated therewith; and

WHEREAS, the Assignor and the Assignee are entering into this Agreement for purposes of recording the contribution or transfer, assignment, conveyance and delivery, as applicable, from the Assignor to the Assignee of the patents and patent applications set forth on Schedule I hereto (the “Patents”) and the trademark registrations and applications for registration set forth on Schedule II hereto and all goodwill associated therewith (the “Trademarks”).

NOW, THEREFORE, in consideration of the mutual promises and covenants set forth in the Contribution Agreement and the Assignment and Assumption Agreement, and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Assignor and the Assignee, intending to be legally bound, hereby agree as follows:

SECTION 1. Assignment of Rights. The Assignor does hereby perpetually and irrevocably contribute or transfer, assign, convey and deliver to, as applicable, to the Assignee all of the Assignor’s entire right, title and interest in and to the Patents and the Trademarks, including, without limitation, the goodwill of the business symbolized by the Trademarks and the right to sue for past, present and/or future infringements, misappropriations, dilutions and other violations of the Patents and Trademarks, in each case, the same to be held and enjoyed by the

Assignee (and its successors and assigns) as fully and completely as by the Assignor had this Agreement not been made.

SECTION 2. Further Assurances. The Assignor agrees to execute and deliver all documents and assignments and to perform such other acts as the Assignee may reasonably request to secure to the Assignee the rights, titles and interests hereby contributed or transferred, assigned, conveyed and delivered, as applicable, to the Assignee.

SECTION 3. Recordation. The Assignor hereby requests and authorizes the United States Patent and Trademark Office, and any other applicable governmental entity, to record this Agreement and the Assignee as the owner of the Patents and Trademarks, as assignee of the entire right, title and interest in and to the same for the sole use and enjoyment of the Assignee (and its successors and assigns). The Assignee shall have the right to record this Agreement with all applicable governmental entities so as to record its ownership of the Patents and the Trademarks, and all goodwill associated therewith.

SECTION 4. Counterparts. This Agreement may be executed in two or more counterparts (which may be delivered by facsimile or similar electronic transmission). Each counterpart when so executed and delivered shall be deemed an original, and all such counterparts taken together shall constitute one and the same instrument.

SECTION 5. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to conflicts of law principles.

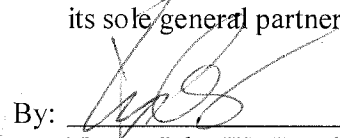
[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each of the Assignor and the Assignee has caused this Agreement to be signed by their respective officers thereunto duly authorized as of the date first written above.

ASSIGNEE:

TYCO HEALTHCARE GROUP LP

By: COVIDIEN INC.
its sole general partner

By: 
Name: John W. Kapples
Title: Vice President and Secretary

ASSIGNOR:

NELLCOR PURITAN BENNETT LLC

By: 
Name: John W. Kapples
Title: Vice President and Secretary

SCHEDULE I

Patents and Patent Applications

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	Fluid Warming System and Technique for Using the Same	9/26/06	11/527069	2/2/10	7657163
Granted	US	System and Method for Detection of Unstable Oxygen Saturation	1/30/06	11/343147	4/27/10	7706852
Granted	US	FETAL PULSE OXIMETRY APPARATUS AND METHOD OF USE	3/17/95	08/406761	4/28/98	5743260
Granted	US	CONDENSED OXIMETER SYSTEM WITH NOISE REDUCTION SOFTWARE	4/8/94	08/225486	7/9/96	5533507
Granted	US	CONDENSED OXIMETER SYSTEM WITH NOISE REDUCTION SOFTWARE	5/23/95	08/447665	11/26/96	5577500
Granted	US	MEDICAL SENSOR WITH AMPLITUDE INDEPENDENT OUTPUT	9/9/96	08/709884	10/5/99	5961450
Granted	JP	PULSE OXIMETER USING A VIRTUAL TRIGGER FOR HEART RATE SYNCHRONIZATION	9/28/94	7-511845	8/25/04	3559284
Granted	US	PULSE OXIMETER USING A VIRTUAL TRIGGER FOR HEART RATE SYNCHRONIZATION	10/8/93	08/134572	1/23/96	5485847
Granted	US	PULSE OXIMETER USING A VIRTUAL TRIGGER FOR HEART RATE SYNCHRONIZATION	10/5/95	08/539579	4/28/98	5743263
Granted	JP	METHOD AND APPARATUS FOR REDUCING AMBIENT NOISE EFFECTS IN ELECTRONIC MONITORING INSTRUMENTS	9/24/93	6-511053	5/18/07	3958353
Granted	US	METHOD FOR REDUCING AMBIENT NOISE EFFECTS IN ELECTRONIC MONITORING INSTRUMENTS	10/23/92	07/965684	11/29/94	5368224
Granted	US	METHOD AND APPARATUS FOR REDUCING AMBIENT NOISE EFFECTS IN ELECTRONIC MONITORING INSTRUMENTS	8/24/94	08/295349	9/17/96	5555882
Granted	US	METHOD AND APPARATUS FOR REDUCING AMBIENT NOISE EFFECTS IN ELECTRONIC MONITORING INSTRUMENTS	4/18/96	08/637002	2/3/98	5713355
Granted	US	OXIMETER WITH MOTION DETECTION FOR ALARM MODIFICATION	3/26/93	08/037953	11/29/94	5368026
Granted	US	MEDICAL SENSOR WITH MODULATED ENCODING SCHEME	12/17/93	08/168449	7/8/97	5645059
Granted	US	MEDICAL SENSOR WITH MODULATED ENCODING SCHEME	5/26/95	08/451630	7/14/98	5779630
Granted	US	MEDICAL SENSOR WITH MODULATED ENCODING SCHEME	5/6/98	09/073361	3/28/00	6044283
Granted	US	METHOD AND APPARATUS FOR REMOVING ARTIFACT AND NOISE FROM PULSE OXIMETRY	6/14/95	08/490315	7/8/97	5645060
Granted	US	ELECTRONIC PROCESSOR FOR PULSE OXIMETER	3/31/93	08/040839	9/20/94	5348004
Granted	US	ELECTRONIC PROCESSOR FOR PULSE OXIMETER	3/31/94	08/525591	10/14/97	5676141

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	CA	METHOD AND APPARATUS FOR ADAPTIVELY AVERAGING DATA SIGNALS	3/21/97	2283858	7/26/05	2283858
Granted	CA	METHOD AND APPARATUS FOR HARMONICALLY FILTERING DATA	3/21/97	2283856	11/22/05	2283856
Granted	DE	Method and Apparatus for Harmonically Filtering Data	3/21/97	97906324.5	10/15/03	69725622.7
Granted	FR	Method and Apparatus for Harmonically Filtering Data	3/21/97	97906324.5	10/15/03	1006864
Granted	GB	Method and Apparatus for Harmonically Filtering Data	3/21/97	97906324.5	10/15/03	1006864
Granted	IT	Method and Apparatus for Harmonically Filtering Data	3/21/97	97906324.5	10/15/03	1006864
Granted	JP	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	3/21/97	2009-116451	8/20/10	4571220
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	3/22/04	10/806647	1/1/08	7315753
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	6/7/96	08/660510	12/29/98	5853364
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	8/20/98	09/137479	7/4/00	6083172
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	11/5/99	09/435143	6/25/02	6411833
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	6/6/01	09/876004	4/13/04	6721584
Granted	US	METHOD AND APPARATUS FOR ESTIMATING PHYSIOLOGICAL PARAMETERS USING MODEL-BASED ADAPTIVE FILTERING	2/5/02	10/072589	12/28/04	6836679
Granted	US	PULSE OXIMETER WITH PARALLEL SATURATION CALCULATION MODULES	1/19/05	11/039529	11/27/07	7302284
Granted	US	Pulse oximeter with parallel saturation calculation modules	4/18/06	11/406188	2/26/08	7336983
Granted	US	PULSE OXIMETER SENSOR OFF DETECTOR	2/9/04	10/775497	10/31/06	7130671
Granted	US	METHOD AND APPARATUS FOR ESTIMATING A PHYSIOLOGICAL PARAMETER	10/12/04	10/964249	1/4/11	7865224
Published	US	METHOD AND APPARATUS FOR ESTIMATING A PHYSIOLOGICAL PARAMETER	11/23/10	12/953262		
Granted	US	METHOD AND APPARATUS FOR ESTIMATING A PHYSIOLOGICAL PARAMETER	3/1/05	11/070629	4/26/11	7931599
Granted	CA	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	2186225	10/12/10	2186225
Granted	DE	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	95915494.9	8/2/00	69518235.8
Granted	DE	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	99125853.4	1/12/05	P069533927.3
Granted	FR	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	95915494.9	8/2/00	0754007
Granted	FR	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	99125853.4	1/12/05	0992214
Granted	GB	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	95915494.9	8/2/00	0754007
Granted	GB	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	99125853.4	1/12/05	0992214

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	IT	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	95915494.9	8/2/00	0754007
Granted	IT	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	99125853.4	1/12/05	0992214
Granted	LI	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	95915494.9	8/2/00	0754007
Granted	LI	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	99125853.4	1/12/05	0992214
Granted	NZ	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	283905	3/23/98	283905
Granted	SG	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/31/95	9611525-8	2/22/99	34647
Granted	US	PULSE OXIMETER SENSOR OPTIMIZED FOR LOW SATURATION	4/1/94	08/221911	6/6/95	5421329
Granted	US	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	3/30/95	08/413578	7/21/98	5782237
Granted	US	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	1/6/98	09/003413	8/7/01	6272363
Granted	US	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	6/14/01	09/882371	12/9/03	6662033
Granted	US	PULSE OXIMETER AND SENSOR OPTIMIZED FOR LOW SATURATION	10/30/03	10/698962	5/20/08	7376454
Granted	US	PULSE OXIMETER SENSOR OPTIMIZED FOR LOW SATURATION	2/23/07	11/710084	8/19/08	7415298
Granted	US	Pulse Oximeter and Sensor Optimized for Low Saturation	4/19/06	11/407771	3/25/08	7349726
Published	CA	ENDOTRACHEAL TUBE HAVING IMPROVED SUCTION LUMEN	5/11/05	2566259		
Published	US	ENDOTRACHEAL TUBE HAVING IMPROVED SUCTION LUMEN	6/22/10	12/821018		
Granted	US	BRONCHIAL OR TRACHEAL TISSULAR WATER CONTENT SENSOR AND SYSTEM	6/9/06	11/449928	8/28/12	8255025
Published	TW	Sensor for Tissue Gas Detection and Technique for Using the Same	9/29/06	095136344		
Granted	US	Sensor for Tissue Gas Detection and Technique for Using the Same	9/30/05	11/241842	11/22/11	8062221
Granted	US	System and Method for Detection of Venous Pulsation	3/9/07	11/716263	7/24/12	8229530
Pending	US	System and Method for Detection of Venous Pulsation	7/12/12	13/547881		
Published	US	METHOD FOR IMPROVED OXYGEN SATURATION ESTIMATION IN THE PRESENCE OF NOISE	6/30/08	12/165256		
Published	US	REDUCING NUISANCE ALARMS	3/6/09	12/399304		
Published	EP	Method and System for Determining When to Reposition a Physiological Sensor	9/29/06	06815679.3		
Granted	US	Method and System for Determining When to Reposition a Physiological Sensor	9/29/05	11/240441	1/10/12	8092379

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	Method and System for Determining When to Reposition a Physiological Sensor	12/12/11	13/323570		
Granted	US	Folding Medical Sensor and Technique for Using the Same	9/30/05	11/241014	6/30/09	7555327
Published	US	FOLDING MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	5/26/09	12/472212		
Published	EP	Carbon Dioxide Detector Having Borosilicate Substrate	9/24/07	07861362.7		
Published	US	Carbon Dioxide Detector Having Borosilicate Substrate	9/25/06	11/526369		
Published	US	Carbon Dioxide Detector Having Borosilicate Substrate	9/25/06	11/526834		
Published	US	Carbon Dioxide Detector Having Borosilicate Substrate	9/25/06	11/526393		
Published	US	Carbon Dioxide Detector Having Borosilicate Substrate	9/25/06	11/526417		
Published	US	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	12/21/07	12/005023		
Published	US	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	12/21/07	12/004816		
Granted	US	DETECTION OF OXIMETRY SENSOR SITES BASED ON WAVEFORM CHARACTERISTICS	3/9/07	11/716437	7/17/12	8221326
Pending	US	DETECTION OF OXIMETRY SENSOR SITES BASED ON WAVEFORM CHARACTERISTICS	6/18/12	13/526287		
Granted	US	Adjusting Parameters Used in Pulse Oximetry Analysis	6/12/09	12/483810	8/7/12	8238994
Pending	US	Adjusting Parameters Used in Pulse Oximetry Analysis	7/12/12	13/548008		
Pending	US	Adjusting Parameters Used in Pulse Oximetry Analysis	7/12/12	13/548021		
Granted	US	SYSTEM AND METHOD FOR VENOUS PULSATION DETECTION USING NEAR INFRARED WAVELENGTHS	3/9/07	11/716132	2/7/12	8109882
Published	US	SYSTEM AND METHOD FOR REDUCING MOTION ARTIFACTS IN A SENSOR	12/22/08	12/340955		
Granted	US	Method for Enhancing Pulse Oximetry Calculations in the Presence of Correlated Artifacts	3/3/05	11/072682	6/24/08	7392075
Published	US	Method for Enhancing Pulse Oximetry Calculations in the Presence of Correlated Artifacts	6/20/08	12/143358		
Granted	US	SYMMETRIC LED ARRAY FOR PULSE OXIMETRY	9/29/06	11/541287	11/29/11	8068891
Granted	US	SYMMETRIC LED ARRAY FOR PULSE OXIMETRY	9/29/06	11/540174	5/8/12	8175667
Granted	US	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	5/2/06	11/415642	1/13/09	7477924
Granted	US	CLIP-STYLE MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	5/2/06	11/415717	12/6/11	8073518
Published	US	CLIP-STYLE MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	11/7/11	13/290957		

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Published	US	COAXIAL LED LIGHT SOURCES	12/24/08	12/343763		
Granted	US	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	5/2/06	11/415711	4/21/09	7522948
Published	US	RETRACTABLE SENSOR CABLE FOR A PULSE OXIMETER	3/27/09	12/412990		
Published	US	VISUAL MEDICAL SENSOR INDICATOR	6/1/06	11/444725		
Granted	US	Mucosal sensor for the assessment of tissue and blood constituents and technique for using the same	9/30/05	11/241724	7/31/12	8233954
Pending	US	Mucosal sensor for the assessment of tissue and blood constituents and technique for using the same	7/2/12	13/540301		
Granted	US	METHOD FOR DETECTION OF ABERRANT TISSUE SPECTRA	3/9/07	11/716777	10/2/12	8280469
Pending	US	METHOD FOR DETECTION OF ABERRANT TISSUE SPECTRA	8/29/12	13/598312		
Pending	IN	METHOD FOR EVALUATING EXTRACELLULAR WATER CONCENTRATION IN TISSUE	5/7/08	3928/DELNP/2008		
Granted	US	METHOD FOR EVALUATING EXTRACELLULAR WATER CONCENTRATION IN TISSUE	11/18/05	11/283506	2/2/10	7657292
Granted	US	SIGNAL DEMODULATION	12/13/07	11/955824	6/19/12	8204567
Pending	US	SIGNAL DEMODULATION	6/4/12	13/488072		
Published	US	Pathlength-Corrected Medical Spectroscopy	9/25/08	12/237539		
Granted	US	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	2/20/09	12/389746	10/12/10	7811276
Granted	US	Pulse Oximetry Sensor and Technique for Using the Same on a Distal Region of a Patient's Digit	3/31/05	11/096009	6/16/09	7548771
Granted	US	Clip-style Medical Sensor and Technique for Using the Same	9/30/05	11/239809	2/1/11	7881762
Granted	US	Bi-Stable Medical Sensor and Technique for Using the Same	8/8/05	11/199525	9/15/09	7590439
Granted	US	Medical Sensor Having a Deformable Region and Technique for Using the Same	7/28/06	11/495493	4/6/10	7693559
Granted	US	Unitary Medical Sensor Assembly and Technique for Using the Same	7/28/06	11/495392	2/2/10	7657296
Published	US	BI-STABLE MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	8/21/09	12/545691		

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Published	US	LED Drive Circuit and Method for Using Same	12/24/08	12/343799		
Granted	MX	Medical Sensor and Technique for Using the Same	8/7/06	MX/a/2008/001889	5/3/11	286278
Granted	US	Medical Sensor and Technique for Using the Same	8/8/05	11/199524	2/2/10	7657295
Granted	US	Medical Sensor and Technique for Using the Same	7/28/06	11/495490	6/15/10	7738937
Granted	US	Medical Sensor and Technique for Using the Same	7/28/06	11/494838	3/23/10	7684843
Pending	IN	System and Method to Assess One or More Body Fluid Metrics	5/13/08	4071/DELNP/2008		
Published	JP	System and Method to Assess One or More Body Fluid Metrics	5/16/08	2008-541346		
Granted	US	Systems and Methods to Assess One or More Body Fluid Metrics	11/18/05	11/282947	3/13/12	8135448
Granted	US	Medical Sensor and Technique for Using the Same	9/29/05	11/241424	3/1/11	7899510
Published	EP	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	9/29/06	06815800.5		
Published	TW	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	9/28/06	095136076		
Granted	US	Medical Sensor for Reducing Motion Artifacts and Technique For Using the Same	8/1/06	11/497089	11/15/11	8060171
Granted	US	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	8/1/06	11/496869	1/19/10	7650177
Granted	US	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	9/29/05	11/241375	1/11/11	7869850
Published	US	Medical Sensor for Reducing Motion Artifacts and Technique For Using the Same	10/6/11	13/267681		
Granted	US	SYSTEM AND METHOD FOR MITIGATING INTERFERENCE IN PULSE OXIMETRY	9/28/06	11/529081	2/15/11	7890153
Published	US	SYSTEM AND METHOD FOR MITIGATING INTERFERENCE IN PULSE OXIMETRY	2/4/11	13/021441		
Granted	US	Medical Sensor and Technique for Using the Same	8/30/06	11/512497	6/1/10	7729736
Granted	US	Medical Sensor and Technique for Using the Same	9/29/05	11/241508	3/8/11	7904130
Granted	US	Medical Sensor and Technique for Using the Same	8/30/06	11/512488	3/9/10	7676253
Published	US	Medical Sensor and Technique for Using the Same	2/7/11	13/022465		
Published	EP	Medical Device Tube Having a Flange with Opposing Support Ears for Improved Alignment and Retention of an Inner Cannula in an Outer Cannula	9/28/06	06815525.8		
Published	TW	Medical Device Tube Having a Flange with Opposing Support Ears for Improved Alignment and Retention of Inner Cannula in an Outer Cannula	9/27/06	095135840		

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Granted	US	Medical Device Tube Having a Flange With Opposing Support Ears for Improved Alignment and Retention of an Inner Cannula in an Outer Cannula	9/28/05	11/237168	1/19/10	7647929
Granted	US	MEDICAL DEVICE TUBE HAVING A FLANGE WITH OPPOSING SUPPORT EARS FOR IMPROVED ALIGNMENT AND RETENTION OF AN INNER CANNULA IN AN OUTER CANNULA	12/4/09	12/631015	4/3/12	8146598
Published	US	MEDICAL DEVICE TUBE HAVING A FLANGE WITH OPPOSING SUPPORT EARS FOR IMPROVED ALIGNMENT AND RETENTION OF AN INNER CANNULA IN AN OUTER CANNULA	3/5/12	13/412397		
Granted	MX	Compliant Diaphragm Medical Sensor and Technique for Using the Same	8/7/06	MX/a/2008/001888	5/3/11	286277
Granted	US	Compliant Diaphragm Medical Sensor and Technique for Using the Same	8/8/05	11/199345	2/2/10	7657294
Granted	US	Compliant Diaphragm Medical Sensor and Technique for Using Same	7/28/06	11/495411	8/11/09	7574244
Granted	US	Medical Sensor and Technique for Using Same	7/28/06	11/495963	1/12/10	7647084
Published	US	Compliant Diaphragm Medical Sensor and Technique for Using Same	6/24/09	12/491061		
Published	TW	Tracheostomy Tube Combination Radial Snap and Bayonet Cannula Connector	9/27/06	095135823		
Granted	US	Tracheostomy Tube Combination Radial Snap and Bayonet Cannula Connector	9/28/05	11/237128	10/13/09	7600515
Granted	US	TRACHEOSTOMY TUBE COMBINATION RADIAL SNAP AND BAYONET CANNULA CONNECTOR	9/1/09	12/551857	5/29/12	8186350
Published	US	TRACHEOSTOMY TUBE COMBINATION RADIAL SNAP AND BAYONET CANNULA CONNECTOR	4/23/12	13/453514		
Granted	DE	Optically Aligned Pulse Oximetry Sensor and Technique for Using the Same	9/29/06	06815831.0	1/25/12	1945099
Granted	FR	Optically Aligned Pulse Oximetry Sensor and Technique for Using the Same	9/29/06	06815831.0	1/25/12	1945099
Granted	GB	Optically Aligned Pulse Oximetry Sensor and Technique for Using the Same	9/29/06	06815831.0	1/25/12	1945099
Granted	US	Optically Aligned Pulse Oximetry Sensor and Technique for Using the Same	9/30/05	11/241031	2/3/09	7486979
Published	US	Optically Aligned Pulse Oximetry Sensor and Technique for Using the Same	1/9/09	12/351742		
Granted	US	Medical Sensor and Technique for Using the Same	9/30/05	11/240682	1/27/09	7483731
Published	US	Medical Sensor and Technique for Using the Same	1/5/09	12/348742		
Published	US	Systems and Methods for Controlling Tissue Treatment	3/9/07	11/716260		
Granted	US	System and Method for Pre-Processing Waveforms	9/29/05	11/240926	5/25/10	7725146
Granted	US	System and Method for Removing Artifacts from Waveforms	9/29/05	11/241509	5/25/10	7725147

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Published	US	SYSTEM AND METHOD FOR REMOVING ARTIFACTS FROM WAVEFORMS	5/21/10	12/785295		
Granted	US	Pulse Oximetry Sensor Switchover	9/29/06	11/540248	11/29/11	8068890
Published	US	SYSTEM AND METHOD FOR FACILITATING SENSOR AND MONITOR COMMUNICATION	3/31/09	12/415244		
Granted	US	Laryngeal mask vent clip and method of use	9/28/05	11/238094	8/31/10	7784465
Granted	US	Pulse oximetry signal correction using near infrared absorption by water	9/15/06	11/521960	5/8/12	8175670
Granted	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	9/22/06	11/525636	5/29/12	8190225
Granted	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	9/22/06	11/525704	6/5/12	8195264
Published	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	9/22/06	11/525693		
Granted	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	9/22/06	11/525396	5/29/12	8190224
Granted	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	9/22/06	11/525635	5/8/12	8175671
Published	EP	Patient Monitoring Alarm Escalation System and Method	9/29/06	06815822.9		
Granted	JP	Patient Monitoring Alarm Escalation System and Method	9/29/06	2008-533684	7/6/12	5033804
Published	US	Patient monitoring alarm escalation system and method	11/21/08	12/276188		
Published	US	SYSTEM AND METHOD FOR ATTACHING A SENSOR TO A PATIENT'S SKIN	12/24/08	12/343783		
Published	US	Method and System for Controlled Maintenance of Hypoxia for Therapeutic or Diagnostic Purposes	9/30/05	11/241062		
Granted	US	Multiple Configuration Medical Sensor and Technique for Using the Same	3/9/07	11/716770	2/22/11	7894869
Granted	US	Use of Convective Air Warming System for Patient Care	9/27/06	11/527866	2/1/11	7879078
Granted	US	Method and Apparatus for Inflating a Warming Blanket	9/27/06	11/528217	3/8/11	7901443
Published	US	Inlet Opening for Inflating a Warming Blanket	2/3/11	13/020668		
Granted	US	Method and Apparatus for Connecting a Hose to a Warming Blanket	9/27/06	11/528294	3/15/11	7905911
Published	US	Method and Apparatus for Connecting a Hose to a Warming Blanket	2/11/11	13/026065		

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Granted	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	8/22/06	11/507814	3/27/12	8145288
Published	US	Medical Sensor for Reducing Signal Artifacts and Technique for Using the Same	3/5/12	13/412421		
Granted	US	Opaque, Electrically Nonconductive Region on a Medical Sensor	9/26/06	11/527762	1/11/11	7869849
Published	US	Opaque, Electrically Nonconductive Region on a Medical Sensor	11/23/10	12/952815		
Published	US	System and Method for Generating Customizable Audible Beep Tones and Alarms	6/15/06	11/453693		
Granted	US	Auto-Inflation Cuffs	11/23/05	11/287163	3/30/10	"The interest owned by NPB LLC in Patent No. 7686019"
Published	US	Method and Apparatus for Detection of Venous Pulsation	1/17/12	13/352185		
Granted	US	Method and Apparatus for Detection of Venous Pulsation	9/27/06	11/528295	2/28/12	8123695
Granted	DE	Multi-Layer Cuffs for Medical Devices	9/19/07	07838562.2	5/2/12	2077865
Granted	FR	Multi-Layer Cuffs for Medical Devices	9/19/07	07838562.2	5/2/12	2077865
Granted	GB	Multi-Layer Cuffs for Medical Devices	9/19/07	07838562.2	5/2/12	2077865
Published	US	Multi-Layer Cuffs for Medical Devices	9/28/06	11/529117		
Published	US	METHOD AND SYSTEM FOR PULSE GATING	12/19/08	12/339242		
Granted	US	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	7/14/10	12/836306	9/4/12	8260391
Pending	US	Medical Sensor for Reducing Motion Artifacts and Technique for Using the Same	7/9/12	13/544263		
Granted	US	Device for Reducing Crosstalk	9/29/06	11/540376	1/13/09	7476131
Granted	US	Device and Method for Reducing Crosstalk	9/13/07	11/900853	9/14/10	7794266
Granted	US	Device and Method for Reducing Crosstalk	1/28/09	12/322035	2/9/10	7658652
Published	US	Method and System for Monitoring Intracranial Pressure	9/27/06	11/528218		
Published	EP	Tissue Hydration Estimation by Spectral Absorption Bandwidth Measurement	9/18/07	07838450.0		
Granted	US	Tissue Hydration Estimation by Spectral Absorption Bandwidth Measurement	9/27/06	11/528154	5/15/12	8180419
Granted	US	Endotracheal Cuff and Technique for Using the Same	9/29/06	11/540247	5/31/11	7950393

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Granted	US	System and Method for Detection of Skin Wounds and Compartment Syndromes	9/29/06	11/541010	2/14/12	8116852
Published	US	System and Method for Detection of Skin Wounds and Compartment Syndromes	1/10/12	13/347481		
Published	CA	Endotracheal Cuff and Technique for Using the Same	6/1/07	2654938		
Published	EP	Endotracheal Cuff and Technique for Using the Same	3/10/09	09726613.4		
Published	EP	Endotracheal Cuff and Technique for Using the Same	6/1/07	07795681.1		
Published	JP	Endotracheal Cuff and Technique for Using the Same	12/18/08	2009-516497		
Published	US	Endotracheal Cuff and Technique for Using the Same	6/22/06	11/473362		
Published	US	Endotracheal Cuff and Technique for Using the Same	6/22/06	11/472733		
Pending	US	Endotracheal Cuff and Technique for Using the Same	9/12/12	13/612397		
Published	US	Endotracheal Cuff and Technique for Using the Same	3/31/08	12/059556		
Pending	US	Endotracheal Cuff and Technique for Using the Same	9/12/12	13/612381		
Published	EP	Thin Cuff for Use with Medical Tubing and Method and Apparatus for Making the Same	6/1/07	07795683.7		
Published	US	Thin Cuff for Use with Medical Tubing and Method and Apparatus for Making the Same	6/22/06	11/473285		
Published	US	Endotracheal Cuff and Technique for Using the Same	3/2/07	11/713551		
Published	US	System and Method for Assuring Validity of Monitoring Parameter in Combination With a Therapeutic Device	9/29/06	11/541302		
Published	US	Endotracheal Cuff and Technique for Using the Same	9/29/06	11/540354		
Published	US	Self-Sizing Adjustable Endotracheal Tube	8/3/10	12/849636		
Published	US	Self-Sizing Adjustable Endotracheal Tube	8/20/10	12/860257		
Published	US	Self-Sizing Adjustable Endotracheal Tube	8/19/10	12/859567		
Published	US	Endotracheal Tube and Technique for Using the Same	9/29/06	11/541491		
Published	US	SNAPSHOT SENSOR	12/24/08	12/343742		
Granted	US	System and Method for Pulse Rate Calculation Using a Scheme for Alternate Weighting	9/28/06	11/528862	4/12/11	7922665
Published	US	System and Method for Pulse Rate Calculation Using a Scheme for Alternate Weighting	3/7/11	13/041991		
Published	US	Tracheostomy Tube and Technique for Using the Same	9/26/06	11/527070		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	MEDICAL MONITORING PATCH DEVICE AND METHODS	3/31/09	12/935747		
Published	US	SYSTEM AND SENSOR FOR EARLY DETECTION OF SHOCK OR PERFUSION FAILURE AND TECHNIQUE FOR USING THE SAME	12/18/08	12/338797		
Granted	US	REACTIVE MEDICAL DEVICES	12/29/08	12/344814	5/29/12	8186351
Published	US	Patient Monitoring System and Method	3/6/06	11/369064		
Published	US	Patient Monitoring Help Screen System and Method	3/21/06	11/386038		
Published	EP	ENDOTRACHEAL CUFF AND TECHNIQUE FOR USING THE SAME	2/29/08	08742009.7		
Published	US	ENDOTRACHEAL CUFF AND TECHNIQUE FOR USING THE SAME	2/1/12	13/363962		
Granted	US	System and Method for Probability Based Determination of Estimated Oxygen Saturation	9/20/06	11/524167	11/22/11	8064975
Published	US	System and Method for Probability Based Determination of Estimated Oxygen Saturation	10/20/11	13/278057		
Granted	US	System and Method for Detection of Brain Edema Using Spectrophotometry	9/28/06	11/529024	1/5/10	7643858
Published	EP	SYSTEM AND METHOD FOR MEASURING LUNG FLOW WITH AN ENDOTRACHEAL TUBE	6/18/10	08866616.9		
Published	EP	Tracheostomy Tube Connector Key System	6/27/08	08772186.6		
Published	US	Tracheostomy Tube Connector Key System	6/27/07	11/823438		
Granted	US	Modulation Ratio Determination with Accomodation of Uncertainty	9/29/06	11/540170	12/7/10	7848891
Published	US	AIRWAY SYSTEM WITH CARBON DIOXIDE SENSOR FOR DETERMINING TRACHEAL CUFF INFLATION AND TECHNIQUE FOR USING THE SAME	9/1/09	12/552090		
Granted	US	Flex Circuit Snap Track for a Biometric Sensor	12/29/08	12/345397	6/12/12	8199007
Granted	US	System and Method for Practicing Spectrophotometry Using Light Emitting Nanostructure Devices	9/20/06	11/524099	7/10/12	8219170
Pending	US	System and Method for Practicing Spectrophotometry Using Light Emitting Nanostructure Devices	6/1/12	13/486931		
Published	CA	HISTORICAL TREND ICONS FOR PHYSIOLOGICAL PARAMETERS	12/24/08	2710994		
Published	EP	HISTORICAL TREND ICONS FOR PHYSIOLOGICAL PARAMETERS	12/24/08	08868909.6		

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Published	JP	HISTORICAL TREND ICONS FOR PHYSIOLOGICAL PARAMETERS	12/24/08	2010-540895		
Published	US	HISTORICAL TREND ICONS FOR PHYSIOLOGICAL PARAMETERS	12/24/08	12/743465		
Granted	US	A Pathological Condition Detector Using Kernel Methods and Oximeters	9/29/06	11/529939	4/17/12	8160668
Published	US	SYSTEM AND METHOD FOR ESTIMATING PHYSIOLOGICAL PARAMETERS BY DECONVOLVING ARTIFACTS	12/24/08	12/343838		
Published	US	Method and System for Classification of Photo-Plethysmographically Detected Respiratory Effort	3/24/09	12/409685		
Published	US	Endotracheal cuff and technique for using the same	6/14/06	11/453161		
Granted	US	Medical Tube Including an Inflatable Cuff Having a Notched Collar	7/18/06	11/488303	2/2/10	7654264
Granted	US	MEDICAL TUBE INCLUDING AN INFLATABLE CUFF HAVING A NOTCHED COLLAR	12/15/09	12/638300	1/17/12	8096299
Published	US	CARBON DIOXIDE DETECTOR HAVING AN ACRYLIC BASED SUBSTRATE	12/18/08	12/338786		
Published	US	SURFACE TREATMENT FOR A MEDICAL DEVICE	9/30/09	12/570508		
Granted	US	Cancellation of Light Shunting	3/9/07	11/716978	9/11/12	8265724
Pending	US	Cancellation of Light Shunting	8/20/12	13/589642		
Granted	US	Sensor and Method for Preventing Sensor Misuse	9/29/06	11/541251	3/23/10	7684842
Published	US	SYSTEM AND METHOD FOR DISPLAY CONTROL OF PATIENT MONITOR	4/28/10	12/769329		
Published	US	System and Method for Detection of Macular Degeneration Using Spectrophotometry	3/9/07	11/716776		
Granted	US	Hydrogel Thin Film for Use as a Biosensor	12/18/08	12/338806	1/10/12	8092993
Published	EP	Carbon Dioxide-Sensing Airway Products and Technique for Using the Same	9/24/07	07838734.7		
Granted	US	Carbon Dioxide-Sensing Airway Products and Technique for Using the Same	9/25/06	11/526860	8/9/11	7992561
Granted	US	Carbon Dioxide-Sensing Airway Products and Technique for Using the Same	9/25/06	11/526861	2/7/12	8109272
Granted	US	Carbon Dioxide-Sensing Airway Products and Technique for Using the Same	9/25/06	11/526844	3/6/12	8128574

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Published	US	Carbon Dioxide-Sensing Airway Products and Technique for Using the Same	9/25/06	11/526846		
Granted	US	Flexible Medical Sensor Enclosure	9/27/06	11/528293	8/11/09	7574245
Published	US	Flexible Medical Sensor Enclosure	6/25/09	12/491940		
Published	US	Medical Sensor and Technique for Using the Same	9/27/06	11/528292		
Granted	US	System and Method for Integrating Voice With a Medical Device	12/30/10	12/981974	4/17/12	8160683
Granted	US	Means for Mechanical Registration and Mechanical-Electrical Coupling of a Faraday Shield to a Photodetector and an Electrical Circuit	9/28/06	11/529021	9/14/10	7796403
Published	US	Pulse Oximeter with Wait-Time Indication	6/30/08	12/165241		
Published	US	Method and Apparatus for Estimating Water Reserves	3/9/07	11/716778		
Granted	US	Single Use Connector for Pulse Oximetry Sensors	6/30/08	12/165166	2/15/11	7887345
Granted	US	ENDOTRACHEAL CUFF AND TECHNIQUE FOR USING THE SAME	6/22/06	11/472915	6/12/12	8196584
Published	US	Patient Monitor Alarm System and Method	6/30/08	12/165025		
Pending	AU	SYSTEM AND METHOD FOR DIAGNOSING SLEEP APNEA BASED ON RESULTS OF MULTIPLE APPROACHES TO SLEEP APNEA IDENTIFICATION	2/2/11	2011213041		
Pending	CA	SYSTEM AND METHOD FOR DIAGNOSING SLEEP APNEA BASED ON RESULTS OF MULTIPLE APPROACHES TO SLEEP APNEA IDENTIFICATION	2/2/11			
Pending	EP	SYSTEM AND METHOD FOR DIAGNOSING SLEEP APNEA BASED ON RESULTS OF MULTIPLE APPROACHES TO SLEEP APNEA IDENTIFICATION	2/2/11	11704359.6		
Published	US	SYSTEM AND METHOD FOR DIAGNOSING SLEEP APNEA BASED ON RESULTS OF MULTIPLE APPROACHES TO SLEEP APNEA IDENTIFICATION	2/2/11	13/019882		
Pending	AU	SYSTEM AND METHOD FOR FACILITATING OBSERVATION OF MONITORED PHYSIOLOGIC DATA	10/30/09	2009308780		
Published	CA	SYSTEM AND METHOD FOR FACILITATING OBSERVATION OF MONITORED PHYSIOLOGIC DATA	10/30/09	2741044		
Published	EP	SYSTEM AND METHOD FOR FACILITATING OBSERVATION OF MONITORED PHYSIOLOGIC DATA	10/30/09	09804088.4		
Published	US	SYSTEM AND METHOD FOR FACILITATING OBSERVATION OF MONITORED PHYSIOLOGIC DATA	10/30/09	12/609304		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	CA	Patient Monitoring Help Screen System and Method	3/30/07	2653934		
Published	EP	Patient Monitoring Help Screen System and Method	5/30/07	11002722.4		
Published	EP	Patient Monitoring Help Screen System and Method	5/30/07	11002720.8		
Published	US	Patient Monitoring Help Screen System and Method	5/31/06	11/445495		
Published	US	OPTICAL SENSOR SYSTEM AND METHOD	12/24/08	12/343770		
Published	US	PATIENT MONITORING HELP VIDEO SYSTEM AND METHOD	5/16/08	12/122358		
Granted	US	System and Method for Secure Identification in a Medical Device	9/29/06	11/540242	4/12/11	7925511
Published	US	SENSOR WITH INTEGRATED LIVING HINGE AND SPRING	12/29/08	12/345345		
Granted	US	Wavelength Selection and Outlier Detection in Reduced Rank Linear Models	3/27/09	12/412971	2/7/12	8112375
Granted	US	METHOD AND APPARATUS FOR ALIGNING AND SECURING A CABLE STRAIN RELIEF	12/24/08	12/343791	12/6/11	8070508
Granted	US	METHOD AND APPARATUS FOR ALIGNING AND SECURING A CABLE STRAIN RELIEF	11/7/11	13/290922	8/28/12	8251739
Published	US	System and Method for Estimating Blood Analyte Concentration	3/27/09	12/412978		
Published	US	SYSTEMS AND METHODS FOR OPTICAL SENSING AND DRUG DELIVERY USING MICRONEEDLES	3/9/07	11/716145		
Published	US	Methods and apparatus for detecting misapplied optical sensors	3/9/07	11/716384		
Published	US	SYSTEM AND METHOD FOR EVALUATING VARIATION IN THE TIMING OF PHYSIOLOGICAL EVENTS	12/22/08	12/340981		
Granted	US	USER INTERFACE AND IDENTIFICATION IN A MEDICAL DEVICE SYSTEM AND METHOD	2/16/10	12/706060	4/17/12	8160726
Granted	US	Systems and Methods for User Interface and Identification in a Medical Device	9/29/06	11/540016	4/13/10	7698002
Published	US	User Interface and Identification in a Medical Device System and Methods	9/29/06	11/540895		
Granted	US	User Interface and Identification in a Medical Device Systems and Method	9/29/06	11/540385	4/27/10	7706896
Published	US	Method for Identification of Sensor Site by Local Skin Spectrum Data	3/9/07	11/716264		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	Method and Apparatus for Detecting Misapplied Sensors	9/29/06	11/541301	3/16/10	7680522
Granted	US	Method for Evaluating Skin Hydration and Fluid Compartmentalization	3/9/07	11/716481	5/11/10	7713196
Published	US	Method for Shipping and Protecting an Endotracheal Tube with an Inflated Cuff	9/22/06	11/526156		
Granted	US	System and Method for Evaluating Physiological Parameter Data	2/18/09	12/388114	9/25/12	8275553
Pending	US	System and Method for Evaluating Physiological Parameter Data	9/6/12	13/605790		
Granted	US	Method and Apparatus for Preventing Occlusion of a Tracheal Tube Suction Lumen	11/10/06	11/595223	3/29/11	7913693
Published	US	Method and Apparatus for Preventing Occlusion of a Tracheal Tube Suction Lumen	2/21/11	13/031404		
Published	EP	MEDICAL SENSOR AND TECHNIQUE FOR USING THE SAME	7/15/10	08863138.7		
Published	US	Personalized Medical Monitoring: Auto-configuration Using Patient Record Information	12/24/08	12/343733		
Published	US	SYSTEM AND METHOD FOR DIAGNOSING SLEEP APNEA	3/15/12	13/421627		
Published	US	Method and Systems for Alerting Practitioners to Physiological Conditions	2/18/09	12/388123		
Granted	US	SYSTEM AND METHOD FOR UNMIXING SPECTROSCOPIC OBSERVATIONS WITH NONNEGATIVE MATRIX FACTORIZATION	3/27/09	12/412947	3/20/12	8140272
Published	US	Graphical User Interface for Monitor Alarm Management	3/24/09	12/409710		
Granted	US	Method and Apparatus for Spectroscopic Tissue Analyte Measurement	3/9/07	11/716482	5/8/12	8175665
Published	US	NON-INVASIVE TOTAL HEMOGLOBIN MEASUREMENT BY SPECTRAL OPTICAL COHERENCE TOMOGRAPHY	3/30/09	12/413670		
Published	US	DETECTING CHEMICAL COMPONENTS FROM SPECTROSCOPIC OBSERVATIONS	3/27/09	12/412956		
Filed	US	DETECTING CHEMICAL COMPONENTS FROM SPECTROSCOPIC OBSERVATIONS	9/25/12	13/625,707		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	PULSE OXIMETER WITH ADAPTIVE POWER CONSERVATION	3/24/09	12/409715		
Published	US	MANUALLY POWERED OXIMETER	3/27/09	12/412562		
Granted	AU	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/21/05	2005289817	8/25/11	2005289817
Granted	DE	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/21/05	05800524.0	6/9/10	1799292
Granted	FR	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/21/05	05800524.0	6/9/10	1799292
Granted	GB	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/21/05	05800524.0	6/9/10	1799292
Granted	NZ	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/21/05	554007	12/7/10	554007
Granted	US	GAS FLOW CONTROL METHOD IN A BLOWER BASED VENTILATION SYSTEM	9/24/04	10/949853	2/10/09	7487773
Granted	US	Systems and Methods for Providing Active Noise Control in a Breathing Assistance System	9/29/06	11/537526	2/22/11	7891354
Published	US	SPILL RESISTANT HUMIDIFIER FOR USE IN A BREATHING ASSISTANCE SYSTEM	9/23/09	12/565267		
Granted	US	Systems and Methods for Regulating Power in a Medical Device	5/24/06	11/420167	5/6/08	7369757
Granted	US	System and Method for Estimating Oxygen Concentration in a Mixed Gas Experiencing Pressure Fluctuations	6/2/06	11/421949	12/2/08	7460959
Granted	AU	Gas Delivery Mask with Flexible Bellows	6/14/06	2006259451	8/4/11	2006259451
Granted	US	Gas Delivery Mask with Flexible Bellows	6/17/05	11/155195	3/8/11	7900630
GRANTEDLIC3	US	Noise Suppression for an Assisted Breathing Device	1/26/06	11/340094	4/13/10	7694677
Granted	US	Work of Breathing Display for a Ventilation System	4/21/06	11/408457	9/20/11	8021310
Published	US	Work of Breathing Display for a Ventilation System	5/27/11	13/117644		
Pending	US	Work of Breathing Display for a Ventilation System	7/6/12	13/543574		
Granted	AU	System and Method for Adjusting a Gas Delivery Mask	6/13/06	2006259461	7/28/11	2006259461
Granted	US	System and Method for Adjusting a Gas Delivery Mask	6/17/05	11/156145	2/17/09	7490608
Granted	US	System & Method for Securing a Gas Delivery Mask Onto a Subject's Head	6/17/05	11/155992	10/13/09	7600514
Granted	US	System and Method for Securing a Gas Delivery Mask Onto a Subject's Head	8/3/09	12/534337	1/31/12	8104473

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	Adjustable Gas Delivery Mask Having a Flexible Gasket	10/16/08	12/252893	7/12/11	7975693
Granted	US	Adjustable Gas Delivery Mask Having a Flexible Gasket	6/17/05	11/156047	11/25/08	7455063
Granted	US	Ball Joint for Providing Flexibility to a Gas Delivery Pathway	6/17/05	11/155807	11/9/10	7827987
Granted	AU	Gas Exhaust System for a Gas Delivery Mask	6/14/06	2006259468	6/21/12	2006259468
Granted	US	Gas Exhaust System for a Gas Delivery Mask	6/17/05	11/155075	12/14/10	7849855
Granted	US	Systems and Methods for Providing Noise Leveling in a Breathing Assistance System	9/29/06	11/537536	7/3/12	8210174
Granted	US	Method and Apparatus for Securing a Patient Interface to a Patient's Face	9/7/06	11/470832	2/7/12	8109271
GRANTEDLIC3	FR	System and Method for Controlling Respiratory Therapy Based on Detected Respirator Events	9/29/06	06/08597	1/9/09	0608597
PUBLIC3	US	System and Method for Controlling Respiratory Therapy Based on Detected Respiratory Events	9/28/07	11/863478		
Granted	US	System and Method for Providing Support for a Breathing Passage	9/28/06	11/536026	11/15/11	8056562
Published	US	Patient Interface Having an Integrated System for Communicating Data to a Ventilator	9/29/06	11/537380		
PUBLIC3	EP	System and Method for Detecting Respiratory Events	9/28/07	07843476.8		
GRANTEDLIC3	FR	System and Method for Detecting Respiratory Events	9/29/06	0608598	4/24/09	0608598
PUBLIC3	US	SYSTEM AND METHOD FOR DETECTING RESPIRATORY EVENTS	9/28/07	11/863470		
PUBLIC3	US	METHOD AND APPARATUS FOR RESPIRATORY THERAPY	12/17/08	12/337514		
Published	US	Systems and Methods for Facilitating Management of Respiratory Care	12/2/06	11/566218		
Published	US	Power Supply Interface System for a Breathing Assistance System	9/27/06	11/535890		
Published	EP	Method for Controlling Delivery of Breathing Gas to a Patient Using Multiple Ventilation Parameters	3/20/09	10013762.9		
Published	US	Method for Controlling Delivery of Breathing Gas to a Patient Using Multiple Ventilation Parameters	3/20/09	12/408546		
Published	US	Patient Interface Assembly for a Breathing Assistance System	8/31/06	11/469260		

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Published	US	METHOD FOR DETERMINING HEMODYNAMIC EFFECTS OF POSITIVE PRESSURE VENTILATION	9/17/09	12/561960		
GRANTEDLIC3	US	Managing Obstructive Sleep Apnea and/or Snoring Using Local Time Released Agents	9/29/06	11/537176	7/26/11	7984714
Published	EP	Three-Dimensional Waveform Display for a Breathing Assistance System	9/20/07	07814950.7		
Granted	US	Three-Dimensional Waveform Display for a Breathing Assistance System	9/26/06	11/535371	8/31/10	7784461
Published	US	Three-Dimensional Waveform Display for a Breathing Assistance System	7/23/10	12/842628		
Published	EP	PROVIDING PREDETERMINED GROUPS OF TRENDING PARAMETERS FOR DISPLAY IN A BREATHING ASSISTANCE SYSTEM	9/27/07	07843343.0		
Published	US	Providing predetermined groups of trending parameters for display in a breathing assistance system	9/29/06	11/537246		
PubLIC3	EP	Method and System of Detecting Faults in a Breathing Assistance Device	8/30/07	07814567.9		
PubLIC3	US	Method and System of Detecting Faults in a Breathing Assistance Device	9/1/06	11/469677		
Pending	EP	Breathing Assistance Systems with Lung Recruitment Maneuvers	3/23/09	09726117.6		
Published	US	Breathing Assistance Systems with Lung Recruitment Maneuvers	3/23/09	12/409406		
Pending	CA	Configuring the Operation of an Alternating Pressure Ventilation Mode	2/18/09	2714030		
Published	EP	Configuring the Operation of an Alternating Pressure Ventilation Mode	2/18/09	09713475.3		
Published	US	Configuring the Operation of an Alternating Pressure Ventilation Mode	2/6/09	12/367332		
Published	US	Method for Selecting Target Settings in a Medical Device	3/23/09	12/409412		
Granted	US	Systems and Methods for Providing Custom Masks for Use in a Breathing Assistance System	9/29/06	11/536993	3/8/11	7904193
Granted	US	Ball Joint for a Mask Apparatus for use in a Breathing Assistance System	9/19/06	11/533062	11/2/10	7823589
Granted	US	Gas Exhaust System for a Mask Apparatus for Use in a Breathing Assistance System	9/19/06	11/533124	10/12/10	7810499

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Granted	US	Adjustment System for a Mask Apparatus for Use in a Breathing Assistance System	9/19/06	11/533039	1/4/11	7861718
Published	US	Preset Breath Delivery Therapies for a Breathing Assistance System	9/27/06	11/535860		
Granted	US	Breathing Assistance System Having Integrated Electrical Conductors for Communicating Data	9/29/06	11/537326	7/3/12	8210173
Published	EP	Ventilator Based on Fluid Equivalent of the "Digital to Analog Voltage" Concept	3/30/09	09728309.7		
Published	US	Ventilator Based on a Fluid Equivalent of the "Digital to Analog Voltage" Concept	3/30/09	12/935824		
PendingLIC3	CA	SYSTEMS AND METHODS FOR CONTROLLING A HEATED HUMIDIFIER	12/18/08	2707623		
PubLIC3	EP	SYSTEMS AND METHODS FOR CONTROLLING A HEATED HUMIDIFIER	12/18/08	08868553.2		
Published	US	MEDICAL DEVICE FOR THE ASSESSMENT OF INTERNAL ORGAN TISSUE AND TECHNIQUE FOR USING THE SAME	2/19/09	12/388705		
Published	US	METHOD AND APPARATUS FOR DETECTING AND ANALYZING VARIATIONS IS A PHYSIOLOGIC PARAMETER	5/15/09	12/467003		
Published	US	PHOTOPLETHYSMOGRAPHY WITH CONTROLLED APPLICATION OF SENSOR PRESSURE	8/19/09	12/543908		
Published	CA	INVERSION-BASED FEED-FORWARD COMPENSATION OF INSPIRATORY TRIGGER DYNAMICS IN MEDICAL VENTILATORS	9/24/09	2736540		
Published	EP	INVERSION-BASED FEED-FORWARD COMPENSATION OF INSPIRATORY TRIGGER DYNAMICS IN MEDICAL VENTILATORS	9/24/09	09792962.4		
Published	US	INVERSION-BASED FEED-FORWARD COMPENSATION OF INSPIRATORY TRIGGER DYNAMICS IN MEDICAL VENTILATORS	9/24/09	12/566119		
Published	CA	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	2736528		
Published	CN	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	200980137894.6		
Published	DE	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	09792853.5		
Published	EP	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	09792853.5		
Published	FR	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	09792853.5		
Published	GB	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	09792853.5		
Published	JP	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/22/09	2011-529163		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	MODEL-PREDICTIVE ONLINE IDENTIFICATION OF PATIENT RESPIRATORY EFFORT DYNAMICS IN MEDICAL VENTILATORS	9/25/08	12/238248		
Pending	AU	SYSTEMS AND METHODS FOR EXTENDED VOLUME RANGE VENTILATION	2/19/09	2009215557		
Pending	CA	SYSTEMS AND METHODS FOR EXTENDED VOLUME RANGE VENTILATION	2/19/09	2714115		
Published	EP	SYSTEMS AND METHODS FOR EXTENDED VOLUME RANGE VENTILATION	2/19/09	09713235.1		
Published	JP	SYSTEMS AND METHODS FOR EXTENDED VOLUME RANGE VENTILATION	2/19/09	2010-547743		
Published	US	SYSTEMS AND METHODS FOR EXTENDED VOLUME RANGE VENTILATION	2/16/09	12/371877		
Pending	AU	VENTILATOR LEAK COMPENSATION	3/30/09	2009231893		
Published	CA	VENTILATOR LEAK COMPENSATION	3/30/09	2719117		
Published	EP	VENTILATOR LEAK COMPENSATION	3/30/09	09728626.4		
Published	JP	VENTILATOR LEAK COMPENSATION	3/30/09	2011-503079		
Published	US	VENTILATOR LEAK COMPENSATION	3/30/09	12/414419		
Published	US	EXHALATION VALVE ASSEMBLY WITH INTEGRAL FLOW SENSOR	12/1/09	12/628803		
Published	EP	System and Methods for Compensating for Pressure Drop in a Breathing Assistance System	3/31/08	08006240.9		
Published	US	Systems and Methods for Compensating for Pressure Drop in a Breathing Assistance System	3/24/09	12/410310		
Published	US	Patient Wye with Flow Transducer	9/23/08	12/235908		
Published	CN	SYSTEMS AND METHODS FOR DETERMINING PATIENT EFFORT AND/OR RESPIRATORY PARAMETERS IN A VENTILATION SYSTEM	6/5/09	200980120723.2		
Published	EP	SYSTEMS AND METHODS FOR DETERMINING PATIENT EFFORT AND/OR RESPIRATORY PARAMETERS IN A VENTILATION SYSTEM	6/5/09	09759509.4		
Published	JP	SYSTEMS AND METHODS FOR DETERMINING PATIENT EFFORT AND/OR RESPIRATORY PARAMETERS IN A VENTILATION SYSTEM	6/5/09	2011-512688		
Published	US	SYSTEMS AND METHODS FOR DETERMINING PATIENT EFFORT AND/OR RESPIRATORY PARAMETERS IN A VENTILATION SYSTEM	6/5/09	12/479230		
Published	US	Nitric Oxide Measurements in Patients Using FlowFeedback	3/16/09	12/404995		
Published	CA	SAFE STANDBY MODE FOR VENTILATOR	9/22/09	2738074		
Published	EP	SAFE STANDBY MODE FOR VENTILATOR	9/22/09	09792855.0		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	US	Safe Standby Mode for Ventilator	9/17/12	13/618359		
Published	US	Safe Standby Mode for Ventilator	9/23/08	12/236127		
Published	US	SYSTEM AND METHOD FOR ENABLING A RESEARCH MODE ON PHYSIOLOGICAL MONITORS	9/30/08	12/241300		
Published	US	Configurable Respiratory Muscle Pressure Generator	9/30/08	12/241901		
Published	US	Breathing Assistance System with Multiple Pressure Sensors	9/30/08	12/241243		
Published	CA	BATTERY MANAGEMENT FOR A BREATHING ASSISTANCE SYSTEM	8/28/09	2738224		
Published	EP	BATTERY MANAGEMENT FOR A BREATHING ASSISTANCE SYSTEM	8/28/09	09792026.8		
Published	US	Battery Management for a Breathing Assistance System	9/30/08	12/241262		
Published	EP	WIRELESS COMMUNICATIONS FOR A BREATHING ASSISTANCE SYSTEM	8/28/09	09792027.6		
Published	US	Wireless Communications for a Breathing Assistance System	9/30/08	12/241286		
Published	CA	SUPPLEMENTAL GAS SAFETY SYSTEM FOR A BREATHING ASSISTANCE SYSTEM	8/28/09	2738226		
Published	EP	SUPPLEMENTAL GAS SAFETY SYSTEM FOR A BREATHING ASSISTANCE SYSTEM	8/28/09	09792028.4		
Published	US	Supplemental Gas Safety System for a Breathing Assistance System	9/30/08	12/242781		
Granted	US	System and Method for Coating and Shielding Electronic Sensor Components	6/30/08	12/165133	2/1/11	7880884
Pending	AU	SYSTEM AND METHOD FOR DETECTING VENTILATORY INSTABILITY	9/10/09	2009291807		
Published	US	System and Method for Detecting Ventilatory Instability	9/10/08	12/208087		
Published	US	Synchronous Light Detection Utilizing CMOS/CCD Sensors for Oximetry Sensing	6/30/08	12/165148		
Published	CA	PNEUMATIC TILT SENSOR FOR USE WITH RESPIRATORY FLOW SENSING DEVICE	9/30/09	2738212		
Granted	DE	TILT SENSOR FOR USE WITH PROXIMAL FLOW SENSING DEVICE	9/30/09	09793206.5	9/19/12	2329232
Granted	EP	TILT SENSOR FOR USE WITH PROXIMAL FLOW SENSING DEVICE	9/30/09	09793206.5	9/19/12	2329232
Granted	FR	TILT SENSOR FOR USE WITH PROXIMAL FLOW SENSING DEVICE	9/30/09	09793206.5	9/19/12	2329232

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	GB	TILT SENSOR FOR USE WITH PROXIMAL FLOW SENSING DEVICE	9/30/09	09793206.5	9/19/12	2329232
Granted	US	TILT SENSOR FOR USE WITH PROXIMAL FLOW SENSING DEVICE	9/30/09	12/570956	2/14/12	8113062
Published	US	Estimation of a Physiological Parameter Using a Neural Network	5/15/09	12/467013		
Published	US	Indicating the Accuracy of a Physiological Parameter	3/24/09	12/409704		
Published	US	NUISANCE ALARM REDUCTION METHOD FOR THERAPEUTIC PARAMETERS	1/19/10	12/689900		
Published	US	METHOD FOR VENTILATION	7/28/10	12/844967		
Public3	EP	User Interface for Breathing Assistance System	6/19/09	09789852.2		
Public3	US	User Interface for Breathing Assistance System	7/8/08	12/168981		
Public3	EP	BREATHING ASSISTANCE SYSTEM WITH MULTIPLE PRESSURE SENSORS	8/28/09	09792029.2		
GRANTEDLIC3	US	Systems and Methods for Managing Pressure in a Breathing Assistance System	9/26/08	12/238607	5/22/12	8181648
PendingLIC3	US	Systems and Methods for Managing Pressure in a Breathing Assistance System	4/27/12	13/458305		
Published	US	METHOD AND APPARATUS FOR OXYGEN REPROCESSING OF EXPIRATORY GASES IN MECHANICAL VENTILATION	2/26/10	12/714221		
Granted	US	Optical Detector with an Overmolded Faraday Shield	6/30/08	12/165052	12/6/11	8071935
Published	CN	SYSTEMS AND METHODS FOR VENTILATION IN PROPORTION TO PATIENT EFFORT	6/5/09	200980120725.1		
Published	EP	SYSTEMS AND METHODS FOR VENTILATION IN PROPORTION TO PATIENT EFFORT	6/5/09	09759515.1		
Published	JP	SYSTEMS AND METHODS FOR VENTILATION IN PROPORTION TO PATIENT EFFORT	6/5/09	2011-512691		
Published	US	SYSTEMS AND METHODS FOR VENTILATION IN PROPORTION TO PATIENT EFFORT	6/5/09	12/479259		
Published	US	Medical Sensor	9/30/08	12/241251		
Published	US	Laser Self-Mixing Sensors for Biological Sensing	9/30/08	12/242738		
Pending	AU	SYSTEM AND METHOD FOR PHOTON DENSITY WAVE PULSE OXIMETRY AND PULSE HEMOMETRY	9/15/09	2009298937		
Published	CA	SYSTEM AND METHOD FOR PHOTON DENSITY WAVE PULSE OXIMETRY AND PULSE HEMOMETRY	9/15/09	2738237		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	EP	SYSTEM AND METHOD FOR PHOTON DENSITY WAVE PULSE OXIMETRY AND PULSE HEMOMETRY	9/15/09	09792543.2		
Published	JP	SYSTEM AND METHOD FOR PHOTON DENSITY WAVE PULSE OXIMETRY AND PULSE HEMOMETRY	9/15/09	2011-530092		
Published	US	System and Method for Photon Density Wave Pulse Oximetry and Pulse Hemometry	9/30/08	12/241160		
Published	US	Device and Method for Securing a Medical Sensor to an Infant's Head	9/30/08	12/241267		
Granted	CA	Triangular Saturation Pattern Detection Indicator	12/30/08	129235	3/28/11	129235
Granted	CA	DISPLAY PANEL FOR A PATIENT MONITOR	12/30/08	139080	3/28/11	139080
Published	EM	Triangular Saturation Pattern Detection Indicator	12/31/08	001066781-0001		
Granted	JP	Triangular Saturation Pattern Detection Indicator	1/5/09	2009-029144	2/25/11	1409964
Granted	US	TRIANGULAR SATURATION PATTERN DETECTION FOR A PATIENT MONITOR DISPLAY PANEL	6/30/08	29/320619	11/2/10	D626562
Pending	US	PORTION OF A DISPLAY PANEL WITH AN INDICATOR ICON	10/8/10	29/376563		
Granted	US	PORTION OF A DISPLAY PANEL WITH AN INDICATOR ICON	10/8/10	29/376564	5/10/11	D637617
Granted	US	PORTION OF A DISPLAY PANEL WITH AN INDICATOR ICON	10/8/10	29/376565	5/10/11	D637618
Published	US	SPECTROSCOPIC METHOD AND SYSTEM FOR ASSESSING TISSUE TEMPERATURE	9/29/09	12/569721		
Pending	AU	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	2009308772		
Published	CA	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	2741026		
Published	EP	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	09749275.5		
Published	US	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	12/609314		
Pending	US	TRIANGULAR SATURATION PATTERN DETECTION INDICATOR FOR A PORTION OF A DISPLAY PANEL	2/11/11	29/385350		
Pending	US	CIRCULAR SATSECONDS INDICATOR AND TRIANGULAR SATURATION PATTERN DETECTION INDICATOR FOR A PORTION OF A DISPLAY SCREEN	2/11/11	29/385352		
Granted	CA	Circular Satseconds Indicator and Triangular Saturations Pattern Detection Indicator	12/30/08	129236	3/28/11	129236
Granted	CA	Circular Satseconds Indicator and Triangular Saturations Pattern Detection Indicator	12/30/08	139091	3/28/11	139091
Published	EM	Circular Satseconds Indicator and Triangular Saturations Pattern Detection Indicator	12/30/08	001066781-0002		
Granted	JP	Triangular Saturation Pattern Detection Indicator	1/5/09	2009-029145	2/25/11	1410397
Granted	US	Circular Satseconds Indicator and Triangular Saturations Pattern Detection Indicator For a Patient Monitor Display Panel	6/30/08	29/320621	11/2/10	D626561
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376587	5/10/11	D637607

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376588	5/10/11	D637608
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376590	5/10/11	D637609
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376591	5/10/11	D637610
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376596	5/10/11	D637611
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376601	5/10/11	D637612
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376604	5/10/11	D637613
Granted	US	PORTION OF A DISPLAY SCREEN WITH INDICATOR ICONS	10/8/10	29/376606	5/10/11	D637614
Granted	US	PORTION OF A DISPLAY PANEL WITH AN INDICATOR ICON	10/8/10	29/376608	5/10/11	D637615
Granted	US	Medical Sensor and Technique for Using the Same	9/25/08	12/237522	9/4/12	8257274
Published	US	SYSTEMS AND METHODS FOR MONITORING AND DISPLAYING RESPIRATORY INFORMATION	6/5/09	12/479249		
Published	US	SYSTEMS AND METHODS FOR TRIGGERING AND CYCLING A VENTILATOR BASED ON RECONSTRUCTED PATIENT EFFORT SIGNAL	6/5/09	12/479239		
Published	US	Bioimpedence System and Sensor and Technique for Using the Same	9/30/08	12/241428		
Published	US	Medical Sensor and Technique for Using the Same	9/30/08	12/242764		
Published	EP	ULTRASOUND OPTICAL DOPPLER HEMOMETER AND TECHNIQUE FOR USING THE SAME	9/15/09	09792552.3		
Published	US	Ultrasound-Optical Doppler Hemometer and Technique for Using the Same	9/30/08	12/242401		
Published	US	Method and Apparatus for Optical Filtering of a Broadband Emitter in a Medical Sensor	3/25/09	12/411213		
Published	US	Medical Sensor and Technique for Using the Same	9/30/08	12/241260		
Published	US	Medical Sensor and Technique for Using the Same	9/25/08	12/237532		
Published	US	Sampling Circuit for Measuring Analytes	9/30/08	12/242887		
Published	US	MOTION COMPENSATION IN A SENSOR	2/28/10	12/714531		
Published	US	System and Method for Generating Corrective Actions Correlated to Medical Sensor Errors	3/31/09	12/415520		
Granted	US	Low Power Isolation Design for a Multiple-Sourced Power Bus	9/12/08	12/210017	2/22/11	7893560

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	Flow Rate Compensation for Transient Thermal Response of Hot-Wire Anemometers	2/27/09	12/394899		
Published	US	METHOD AND SYSTEM FOR SELF REGULATION OF SENSOR COMPONENT CONTACT PRESSURE	5/20/09	12/469476		
Granted	DE	Leak-Compensated Flow Triggering and Cycling in Medical Ventilators	3/30/09	09727517.6	5/23/12	2259821
Granted	FR	Leak-Compensated Flow Triggering and Cycling in Medical Ventilators	3/30/09	09727517.6	5/23/12	2259821
Granted	GB	Leak-Compensated Flow Triggering and Cycling in Medical Ventilators	3/30/09	09727517.6	5/23/12	2259821
Granted	US	Leak-Compensated Flow Triggering and Cycling in Medical Ventilators	9/30/08	12/242741	9/25/12	8272379
Granted	DE	Determination of Patient Circuit Disconnect in Leak-Compensated Ventilatory Support	3/30/09	09727167.0	11/16/11	2259819
Granted	FR	Determination of Patient Circuit Disconnect in Leak-Compensated Ventilatory Support	3/30/09	09727167.0	11/16/11	2259819
Granted	GB	Determination of Patient Circuit Disconnect in Leak-Compensated Ventilatory Support	3/30/09	09727167.0	11/16/11	2259819
Published	US	Determination of Patient Circuit Disconnect in Leak-Compensated Ventilatory Support	12/12/08	12/334354		
Published	EP	Leak-Compensated Pressure Triggering in Medical Ventilators	3/30/09	09728016.8		
Granted	US	Leak-Compensated Pressure Triggering in Medical Ventilators	9/30/08	12/242756	9/25/12	8272380
Published	US	MINIMAX FILTERING FOR PULSE OXIMETRY	6/24/10	12/822579		
Published	CA	ELECTROADHESIVE MEDICAL DEVICES	3/11/10	2753063		
Published	EP	ELECTROADHESIVE MEDICAL DEVICES	3/11/10	10710491.1		
Published	US	Electroadhesive Medical Devices	3/31/09	12/414985		
Published	US	METHOD AND SYSTEM FOR DELIVERING A SINGLE-BREATH, LOW FLOW RECRUITMENT MANEUVER	7/9/10	12/833731		
Published	US	Customizable Mandatory/Spontaneous Closed Loop Mode Selection	2/27/09	12/395321		
Published	US	Slider Spot Check Pulse Oximeter	3/20/09	12/408171		
Published	EP	MEDICAL DEVICE FOR ASSESSING INTRAVASCULAR BLOOD VOLUME AND TECHNIQUE FOR USING THE SAME	3/16/10	10710136.2		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	Medical Device for Assessing Intravascular Blood Volume and Technique for Using the Same	3/25/09	12/411014	7/17/12	8221319
Published	US	SENSOR WITH AN OPTICAL COUPLING MATERIAL TO IMPROVE PLETHYSMOGRAPHIC MEASUREMENTS AND METHOD OF USING THE SAME	9/29/09	12/568952		
Published	CA	MEDICAL MONITORING DEVICE WITH FLEXIBLE CIRCUITRY	2/25/10	2753046		
Published	EP	MEDICAL MONITORING DEVICE WITH FLEXIBLE CIRCUITRY	2/25/10	10706103.8		
Published	US	Medical Monitoring Device with Flexible Circuitry	3/16/09	12/404887		
Published	US	DEVICE FOR SECURING A MEDICAL SENSOR	2/25/11	13/035611		
Published	CA	MEDICAL SENSOR WITH FLEXIBLE COMPONENTS AND TECHNIQUE FOR USING THE SAME	3/19/10	2753018		
Published	EP	MEDICAL SENSOR WITH FLEXIBLE COMPONENTS AND TECHNIQUE FOR USING THE SAME	3/19/10	10712618.7		
Published	US	MEDICAL SENSOR WITH FLEXIBLE COMPONENTS AND TECHNIQUES FOR USING THE SAME	3/11/10	12/722355		
Published	CA	MEDICAL SENSOR WITH COMPRESSIBLE LIGHT BARRIER AND TECHNIQUE FOR USING THE SAME	3/19/10	2753017		
Published	EP	MEDICAL SENSOR WITH COMPRESSIBLE LIGHT BARRIER AND TECHNIQUE FOR USING THE SAME	3/19/10	10711114.8		
Published	US	MEDICAL SENSOR WITH COMPRESSIBLE LIGHT BARRIER AND TECHNIQUE FOR USING THE SAME	3/11/10	12/722279		
Published	US	VENTILATOR WITH CONTROLLED PURGE FUNCTION	9/3/09	12/553576		
Published	EP	Medical Device and Technique for Using the Same	1/27/10	10704247.5		
Pending	MX	Medical Device and Technique for Using the Same	1/27/10	MX/A/2011/008017		
Pending	MY	Medical Device and Technique for Using the Same	7/27/10	PI2011003514		
Published	SG	Medical Device and Technique for Using the Same	1/27/10	201105136-4		
Published	US	Medical Device and Technique for Using the Same	1/29/09	12/362214		
Published	US	DYNAMIC ADJUSTMENT OF TUBE COMPENSATION FACTOR BASED ON INTERNAL CHANGES IN BREATHING TUBE	5/15/09	12/467113		
Published	US	Leak-Compensated Respiratory Mechanics Estimation in Medical Ventilators	2/27/09	12/395332		
Published	EP	Leak-Compensated Proportional Assist Ventilation	3/30/09	09727336.1		
Granted	US	Leak-Compensated Proportional Assist Ventilation	3/20/09	12/408408	9/18/12	8267085
Pending	US	Leak-Compensated Proportional Assist Ventilation	8/2/12	13/565595		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	Leak-Compensated Pressure Regulated Volume Control Ventilation	3/20/09	12/408414		
Pending	AU	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	2009311406		
Published	CA	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	2741043		
Published	EP	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	09756083.3		
Published	US	System and Method for Facilitating Observation of Monitored Physiologic Data	10/30/09	12/609344		
Published	US	MEDICAL MONITORING SYSTEM WITH OPEN DEVICE ARCHITECTURE	3/17/10	12/725957		
Published	EP	Use of Photodetector Array to Improve Efficiency and Accuracy of an Optical Medical Sensor	6/2/10	10727582.8		
Published	US	Use of Photodetector Array to Improve Efficiency and Accuracy of an Optical Medical Sensor	6/26/09	12/492377		
Published	CA	SYSTEMS AND METHOD FOR IDENTIFYING NON-CORRUPTED SIGNAL SEGMENTS FOR USE IN DETERMINING PHYSIOLOGICAL PARAMETERS	9/24/10	2772536		
Published	EP	SYSTEMS AND METHOD FOR IDENTIFYING NON-CORRUPTED SIGNAL SEGMENTS FOR USE IN DETERMINING PHYSIOLOGICAL PARAMETERS	9/24/10	10760564.4		
Published	CA	MEDICAL VENTILATOR CART	12/4/09	2741054		
Published	EP	A MEDICAL VENTILATOR CART	5/18/11	09764978.4		
Granted	US	MEDICAL VENTILATOR CART	12/4/09	12/631636	8/14/12	8240684
Published	EP	System and Method for Determining Ventilator Leakage During Stable Periods Within a Breath	3/30/09	09726888.2		
Published	US	System and Method for Determining Ventilator Leakage During Stable Periods Within a Breath	3/30/09	13/059711		
Granted	US	Medical Cart	12/12/08	29/329341	2/15/11	D632797
Granted	US	Medical Cart	1/10/11	29/382923	1/17/12	D652521
Granted	US	Medical Cart	12/12/08	29/329339	2/15/11	D632796
Granted	US	Medical Cart	1/10/11	29/382926	1/24/12	D652936
Published	US	Medical Device and Technique for Using the Same	4/8/09	12/420148		
Granted	US	Medical Device and Technique for Using Same	4/8/09	12/420176	10/2/12	8280489
Pending	US	Medical Device and Technique for Using Same	9/10/12	13/608585		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	ULTRASOUND-BASED TRACHEAL TUBE PLACEMENT DEVICE AND METHOD	7/29/09	12/511504		
Published	EP	SYSTEMS AND METHODS FOR BALANCING POWER CONSUMPTION AND UTILITY OF WIRELESS MEDICAL SENSORS	7/13/10	10738070.1		
Published	US	SYSTEMS AND METHODS FOR BALANCING POWER CONSUMPTION AND UTILITY OF WIRELESS MEDICAL SENSORS	8/10/09	12/538696		
PubLIC3	US	Systems and Methods for Preventing Water Damage in a Breathing Assistance System	3/31/09	12/415162		
Published	EP	TRACHEA PRESSURE DETERMINATION AND METHOD DEVICE	6/1/10	10727559.6		
Published	US	TRACHEA PRESSURE DETERMINATION AND METHOD DEVICE	6/3/09	12/477636		
Published	US	METHOD AND SYSTEM FOR DETERMINING TRACHEAL AND LOCATION INFORMATION FOR A TRACHEAL TUBE	6/17/09	12/485990		
Published	US	Tracheal Tube Locating System and Method	4/3/09	12/418454		
Published	EP	REFLECTANCE AND/OR TRANSMISSIVE PULSE OXIMETER	6/10/10	10727299.9		
Published	US	REFLECTANCE AND/OR TRANSMISSIVE PULSE OXIMETER	6/30/09	12/495551		
Published	US	System and Method for Wirelessly Powering Medical Devices	3/31/09	12/414974		
Published	US	SYSTEM AND METHOD FOR MEMORY SWITCHING FOR MULTIPLE CONFIGURATION MEDICAL SENSOR	7/17/09	12/504741		
Published	US	SYSTEM AND METHOD FOR PROVIDING SENSOR QUALITY ASSURANCE	6/30/09	12/495007		
Published	US	SYSTEM AND METHOD FOR LINKING PATIENT DATA TO A PATIENT AND PROVIDING SENSOR QUALITY ASSURANCE	6/30/09	12/494997		
Published	US	SYSTEM AND METHOD FOR CONTROLLING ONE OR BOTH OF SENSOR FUNCTIONALITY AND DATA ACCESS BASED ON BIOMETRICS DATA	6/30/09	12/494986		
PubLIC3	US	SYSTEMS AND METHODS FOR PROTECTING COMPONENTS OF A BREATHING ASSISTANCE SYSTEM	5/26/09	12/472018		
PubLIC3	EP	WIRELESS, GAS FLOW-POWERED SENSOR SYSTEM FOR A BREATHING ASSISTANCE SYSTEM	5/19/10	10728468.9		
PubLIC3	US	WIRELESS, GAS FLOW-POWERED SENSOR SYSTEM FOR A BREATHING ASSISTANCE SYSTEM	7/16/09	12/504471		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	CERTIFICATION APPARATUS AND METHOD FOR A MEDICAL DEVICE COMPUTER	12/29/10	12/980971		
Published	US	POINT-OF-CARE PATHOGEN MONITORING DEVICES AND SYSTEMS	6/8/09	12/480377		
Published	EP	ENDOTRACHEAL TUBE WITH DEDICATED EVACUATION PORT	6/2/10	10727575.2		
Published	US	ENDOTRACHEAL TUBE WITH DEDICATED EVACUATION PORT	6/8/09	12/480394		
Pending	CA	CUFFLESS TRACHEAL TUBE	12/10/10			
Pending	EP	CUFFLESS TRACHEAL TUBE	12/10/10	10795868.8		
Published	US	Cuffless Endotracheal Tube	12/18/09	12/642174		
Published	EP	CUFF FOR USE WITH MEDICAL TUBING AND METHOD AND APPARATUS FOR MAKING THE SAME	6/16/10	10728502.5		
Published	US	CUFF FOR USE WITH MEDICAL TUBING AND METHOD AND APPARATUS FOR MAKING THE SAME	6/22/09	12/488932		
Published	US	MULTILAYER MEDICAL DEVICES HAVING AN ENCAPSULATED EDGE AND METHODS THEREOF	7/29/09	12/511282		
Published	US	PATIENT SENSOR INTERCOMMUNICATION CIRCUITRY FOR A MEDICAL MONITOR	9/29/09	12/568944		
Published	US	OXYGEN SATURATION EAR SENSOR DESIGN THAT OPTIMIZES BOTH ATTACHMENT METHOD AND SIGNAL QUALITY	6/30/09	12/495545		
Published	US	WIRELESS ELECTRICITY FOR ELECTRONIC DEVICES	9/30/09	12/571047		
Published	EP	SYSTEMS AND METHODS FOR CONTROLLING A VENTILATOR	8/10/10	10744795.5		
Published	US	SYSTEMS AND METHODS FOR CONTROLLING A VENTILATOR	8/20/09	12/544848		
Pending	US	AUTOMATIC CONFIGURATION PROTOCOL FOR A PATIENT MONITORING NETWORK	7/27/11	13/191977		
Published	US	AMBIENT LIGHT USE IN PHYSIOLOGICAL SENSORS	3/31/10	12/751801		
Published	US	AIRWAY DEVICES WITH INTEGRAL HUMIDIFICATION	11/23/09	12/623958		
Published	US	METHODS AND APPARATUS FOR USING MULTIPLE SENSORS TO MEASURE DIFFERENTIAL BLOOD TRANSPORT TIME IN A PATIENT	8/4/09	12/535311		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	CA	Event-Based Delay Detection and Control of Networked Systems in Medical Ventilation	2/18/11			
Pending	EP	Event-Based Delay Detection and Control of Networked Systems in Medical Ventilation	2/18/11	11706696.9		
Published	US	Event-Based Delay Detection and Control of Networked Systems in Medical Ventilation	2/26/10	12/714135		
Published	CA	INVERSE SAWTOOTH PRESSURE WAVE TRAIN PURGING IN MEDICAL VENTILATORS	9/3/09	2735132		
Published	EP	INVERSE SAWTOOTH PRESSURE WAVE TRAIN PURGING IN MEDICAL VENTILATORS	9/3/09	09792234.8		
Published	US	INVERSE SAWTOOTH PRESSURE WAVE TRAIN PURGING IN MEDICAL VENTILATORS	9/3/09	12/553568		
Published	US	Photoplethysmograph Filtering Using Empirical Mode Decomposition	3/31/10	12/751274		
Published	US	PULSE OXIMETRY FOR DETERMINING HEART RATE VARIABILITY AS A MEASURE OF SUSCEPTIBILITY TO STRESS	11/29/10	12/955187		
Published	US	CONTROL INTERFACE FOR A MEDICAL MONITOR	7/31/09	12/533246		
Published	US	TRACHEAL TUBE WITH LUMEN FOR TRACHEAL PRESSURE MEASUREMENT AND TECHNIQUE FOR USING THE SAME	6/18/09	12/486869		
Published	US	TRACHEAL TUBE WITH LUMEN FOR TRACHEAL PRESSURE MEASUREMENT AND TECHNIQUE FOR USING THE SAME	6/30/09	12/495326		
Published	US	TIME OF FLIGHT BASED TRACHEAL TUBE PLACEMENT SYSTEM AND METHOD	5/4/09	12/434770		
Published	US	WAVELENGTH SWITCHING FOR PULSE OXIMETRY	9/22/10	12/888226		
Published	US	DIGITAL SWITCHING IN MULTI-SITE SENSOR	8/10/09	12/538700		
Published	US	CONNECTOR FOR COUPLING A TRACHEAL TUBE TO AN AUXILIARY DEVICE	7/31/09	12/533188		
Published	US	ADAPTIVE ALARM SYSTEM AND METHOD	7/28/10	12/845196		
Published	WO	ADAPTIVE ALARM SYSTEM AND METHOD	7/27/11	PCTUS11/045540		
Published	US	LIGHT FOCUSING CONTINUOUS WAVE PHOTOACOUSTIC SPECTROSCOPY AND ITS APPLICATIONS TO PATIENT MONITORING	7/28/10	12/845198		
Published	WO	LIGHT FOCUSING CONTINUOUS WAVE PHOTOACOUSTIC SPECTROSCOPY AND ITS APPLICATIONS TO PATIENT MONITORING	7/6/11	PCTUS11/043029		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	CA	PHOTOACOUSTIC SPECTROSCOPY WITH FOCUSED LIGHT	10/5/10			
Published	EP	PHOTOACOUSTIC SPECTROSCOPY WITH FOCUSED LIGHT	10/5/10	10763572.4		
Published	US	PHOTOACOUSTIC SPECTROSCOPY WITH FOCUSED LIGHT	10/9/09	12/576377		
Published	US	Advanced Ultrasound Modulated Optical Spectroscopy And Its Application To Patient Monitoring	1/28/11	13/016629		
Published	US	MEDICAL DEVICE INTERFACE CUSTOMIZATION SYSTEMS AND METHODS	9/21/09	12/563841		
Pending	US	OPTICAL INSTRUMENT WITH AUDIO BAND FREQUENCY RESPONSE	3/30/11	13/076199		
Published	US	METHOD OF ANALYZING PHOTON DENSITY WAVES IN A MEDICAL MONITOR	9/30/09	12/570394		
Published	US	EXPONENTIAL SAMPLING OF RED AND INFRARED SIGNALS	7/30/09	12/512155		
Published	US	OPTICAL FIBER SENSORS	11/9/10	12/942135		
Pending	US	SYSTEMS AND METHODS FOR DETERMINING DIFFERENTIAL PULSE TRANSIT TIME FROM THE PHASE DIFFERENCE OF TWO ANALOG PLETHYSMOGRAPHS	11/30/11	13/307961		
Published	EP	MEDICAL DEVICE AND TECHNIQUE FOR USING THE SAME	1/27/10	10703559.4		
Pending	MX	MEDICAL DEVICE AND TECHNIQUE FOR USING THE SAME	1/27/10	MX/A/2011/008018		
Pending	MY	MEDICAL DEVICE AND TECHNIQUE FOR USING THE SAME	1/27/10	PI2011003515		
Pending	SG	MEDICAL DEVICE AND TECHNIQUE FOR USING THE SAME	1/27/10	201105457-4		
Published	US	MEDICAL DEVICE AND TECHNIQUE FOR USING THE SAME	1/29/09	12/362237		
Published	US	BIODEGRADABLE FIBERS FOR SENSING	3/31/10	12/751797		
Published	US	ORGANIC LIGHT EMITTING DIODES AND PHOTODETECTORS	11/30/10	12/956950		
Published	US	NANOFIBER ADHESIVES USED IN MEDICAL DEVICES	8/19/09	12/543920		
Published	US	MOTION ENERGY HARVESTING WITH WIRELESS SENSORS	2/22/10	12/709696		
Published	US	SYSTEM AND METHOD FOR DETERMINING SENSOR PLACEMENT	3/31/10	12/751785		
Published	US	AIR MOVEMENT ENERGY HARVESTING WITH WIRELESS SENSORS	4/30/10	12/771803		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	ADAPTIVE WIRELESS BODY NETWORKS	2/28/10	12/714532		
Published	US	ENERGY OPTIMIZED SENSING TECHNIQUES	2/28/10	12/714533		
Published	US	AMBIENT ELECTROMAGNETIC ENERGY HARVESTING WITH WIRELESS SENSORS	2/28/10	12/714535		
Published	US	THERMOELECTRIC ENERGY HARVESTING WITH WIRELESS SENSORS	3/31/10	12/751806		
Published	US	SIGNAL PROCESSING WARPING TECHNIQUE	9/13/10	12/880306		
Published	EP	WAVELENGTH-DIVISION MULTIPLEXING IN A MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM	8/25/10	10759754.4		
Published	US	WAVELENGTH-DIVISION MULTIPLEXING IN A MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM	9/21/09	12/563848		
Published	EP	TIME-DIVISION MULTIPLEXING IN A MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM	8/25/10	10760148.6		
Published	US	TIME-DIVISION MULTIPLEXING IN A MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM	9/21/09	12/563852		
Published	US	DETERMINATION OF A PHYSIOLOGICAL PARAMETER	9/13/10	12/880303		
Published	CA	DETERMINATION OF A PHYSIOLOGICAL PARAMETER	8/16/10	2771856		
Published	EP	DETERMINATION OF A PHYSIOLOGICAL PARAMETER	8/16/10	10745114.8		
Published	US	DETERMINATION OF A PHYSIOLOGICAL PARAMETER	8/16/10	12/856801		
Published	US	MEDICAL DEVICE ALARM MODELING	11/18/10	12/948854		
Published	US	INTELLIGENT USER INTERFACE FOR MEDICAL MONITORS	11/18/10	12/949269		
Pending	AU	CONTINUOUS LIGHT EMISSION PHOTOACOUSTIC SPECTROSCOPY	2/2/11	2011213036		
Pending	CA	CONTINUOUS LIGHT EMISSION PHOTOACOUSTIC SPECTROSCOPY	2/2/11			
Pending	EP	CONTINUOUS LIGHT EMISSION PHOTOACOUSTIC SPECTROSCOPY	2/2/11	11703990.9		
Pending	JP	CONTINUOUS LIGHT EMISSION PHOTOACOUSTIC SPECTROSCOPY	2/2/11			
Published	US	CONTINUOUS LIGHT EMISSION PHOTOACOUSTIC SPECTROSCOPY	2/2/11	13/019742		
Published	US	PHOTOACOUSTIC SPECTROSCOPY METHOD AND SYSTEM TO DISCERN SEPSIS FROM SHOCK	9/13/10	12/880308		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	REGIONAL SATURATION USING PHOTOACOUSTIC TECHNIQUE	2/28/11	13/036503		
Pending	WO	REGIONAL SATURATION USING PHOTOACOUSTIC TECHNIQUE	2/28/12	PCTUS12/026916		
Published	EP	TRANSMISSION MODE PHOTON DENSITY WAVE SYSTEM AND METHOD	6/7/10	10728056.2		
Published	US	TRANSMISSION MODE PHOTON DENSITY WAVE SYSTEM AND METHOD	7/30/09	12/512127		
Published	WO	TRANSMISSION MODE PHOTON DENSITY WAVE SYSTEM AND METHOD	6/7/10	PCTUS10/37571		
Published	US	MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM USING AN OPTICAL SWITCH	3/31/10	12/751264		
Published	WO	MULTI-WAVELENGTH PHOTON DENSITY WAVE SYSTEM USING AN OPTICAL SWITCH	3/15/11	PCTUS11/028437		
Pending	EP	MECHANICALLY DEPLOYABLE TRACHEAL TUBE SENSOR	2/21/11	11705418.9		
Published	US	MECHANICALLY DEPLOYABLE TRACHEAL TUBE SENSOR	2/26/10	12/713323		
Published	US	TRACHEAL TUBE SENSOR DISPOSED ON PERMEABLE MEMBRANE	3/17/10	12/726210		
Pending	EP	SENSOR ON NON-SEALING PORTION OF TRACHEAL TUBE CUFF	2/21/11	11705419.7		
Published	US	SENSOR ON NON-SEALING PORTION OF TRACHEAL TUBE CUFF	2/26/10	12/713351		
Published	US	TRACHEAL TUBE WITH PRESSURE MONITORING LUMEN AND METHOD FOR USING THE SAME	12/16/09	12/639588		
Published	US	RETINOPATHY OF PREMATURITY DETERMINATION AND ALARM SYSTEM	5/28/10	12/789717		
Published	US	MULTIPLE SENSOR ASSEMBLIES AND CABLES IN A SINGLE SENSOR BODY	11/30/10	12/956943		
Published	US	SYSTEMS AND METHODS FOR CONTROLLING AN AMOUNT OF OXYGEN IN BLOOD OF A VENTILATOR PATIENT	10/13/10	12/903309		
Published	WO	SYSTEMS AND METHODS FOR CONTROLLING AN AMOUNT OF OXYGEN IN BLOOD OF A VENTILATOR PATIENT	10/13/11	PCTUS11/056189		
Published	US	SYSTEMS AND METHODS FOR PRODUCING AUDIBLE INDICATORS THAT ARE REPRESENTATIVE OF MEASURED BLOOD PRESSURE	11/5/10	12/940796		
Pending	US	MULTIPLEXED PHOTODETECTOR ARRAY FOR OPTICAL MEDICAL SENSORS	3/31/11	13/077105		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	SYSTEMS AND METHODS FOR IMPROVED COMPUTATION OF DIFFERENTIAL PULSE TRANSIT TIME FROM PHOTOPLETHYSMOGRAPH SIGNALS	7/30/10	12/847546		
Published	US	RETINOPATHY OF PREMATURITY DETERMINATION AND ALARM SYSTEM	5/28/10	12/789718		
Pending	CA	SPONTANEOUS BREATHING TRIAL MANAGER	2/18/11			
Pending	EP	SPONTANEOUS BREATHING TRIAL MANAGER	2/18/11	11706698.5		
Published	US	SPONTANEOUS BREATHING TRIAL MANAGER	2/26/10	12/714248		
Published	US	SUPRAGLOTTIC FIXATION DEVICE FOR ENDOTRACHEAL TUBES	12/18/09	12/642565		
Published	US	TRACHEAL CUFF FOR PROVIDING SEAL WITH REDUCED PRESSURE ON THE TRACHEAL WALLS	9/30/09	12/570928		
Published	US	TRACHEAL TUBE WITH DRUG DELIVERY DEVICE AND METHOD OF USING THE SAME	7/29/10	12/846581		
Published	US	PATTERN OF CUFF INFLATION AND DEFLATION FOR NONINVASIVE BLOOD PRESSURE MEASUREMENT	2/18/11	13/030353		
Published	US	METHOD AND APPARATUS FOR NON-INVASIVE BLOOD PRESSURE MEASUREMENT USING PULSE OXIMETRY	2/18/11	13/030385		
Granted	US	TRACHEAL TUBE WITH BULGED CUFF	10/3/01	09/958190	11/25/03	6651664
Published	US	TRACHEAL TUBE WITH PRESSURE MONITORING LUMEN AND METHOD FOR USING SAME	1/18/10	12/689049		
Pending	US	METHODS AND SYSTEMS FOR POWER OPTIMIZATION IN A MEDICAL DEVICE	5/31/12	13/484770		
Published	CA	TRACHEAL TUBE AND TUBE EXTENSION	12/10/10	2780766		
Pending	EP	TRACHEAL TUBE AND TUBE EXTENSION	12/10/10	10795524.7		
Published	US	TRACHEAL TUBE AND TUBE EXTENSION	12/15/09	12/638234		
Published	US	Systems and Methods for Calibrating Physiological Signals with Multiple Techniques	11/30/10	12/956932		
Pending	US	Y-SHAPED EAR SENSOR WITH STRAIN RELIEF	3/31/11	13/077299		
Pending	US	MOLDABLE EAR SENSOR	3/31/11	13/077319		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	SYSTEMS AND METHODS FOR PROCESSING MULTIPLE PHYSIOLOGICAL SIGNALS	6/27/11	13/169629		
Published	US	MEDICAL SENSOR USING PHOTONIC CRYSTAL LED	2/24/11	13/034454		
Granted	US	MULTIPLE CHANNEL TRACHEAL TUBE PLACEMENT DEVICE AND TECHNIQUE FOR USING THE SAME	9/29/09	12/569236	8/14/12	8244329
Pending	US	MULTIPLE CHANNEL TRACHEAL TUBE PLACEMENT AND TECHNIQUE FOR USING THE SAME	7/20/12	13/554361		
Published	US	PATIENT MONITOR SYMMETRY CONTROL	9/30/09	12/570410		
Pending	US	METHOD OF ANALYZING PHOTON DENSITY WAVES IN A MEDICAL MONITOR	5/31/11	13/149578		
Published	US	SYSTEMS AND METHODS FOR ESTIMATING A WAVELET TRANSFORM WITH A GOERTZEL TECHNIQUE	4/30/10	12/771862		
Published	US	TRACHEAL TUBE ADAPTOR AND FLARING JIG	2/16/10	12/706353		
Published	US	METHOD FOR RESPIRATION RATE AND BLOOD PRESSURE ALARM MANAGEMENT	4/30/10	12/771859		
Published	WO	METHOD FOR RESPIRATION RATE AND BLOOD PRESSURE ALARM MANAGEMENT	4/21/11	PCTUS11/033376		
Published	US	MONITOR WITH MULTI-POSITION BASE	3/30/11	13/076323		
Published	WO	MONITOR WITH MULTI-POSITION BASE	3/30/11	PCTUS11/030592		
Published	US	REMANUFACTURING A STACKED ADHESIVE MEDICAL SENSOR	9/22/10	12/888248		
Pending	US	MEDICAL SENSOR WITH TEMPERATURE CONTROL	3/31/11	13/077164		
Published	US	METHOD AND SYSTEM FOR GENERATING A PRESSURE VOLUME LOOP OF A LOW FLOW RECRUITMENT MANEUVER	7/9/10	12/833706		
Published	US	METHOD AND SYSTEM FOR DELIVERING A MULTI-BREATH, LOW FLOW RECRUITMENT MANEUVER	7/9/10	12/833678		
Published	US	METHOD AND SYSTEM FOR PROVIDING A GRAPHICAL USER INTERFACE FOR DELIVERING A LOW FLOW RECRUITMENT MANEUVER	7/12/10	12/834184		
Pending	US	ALARM SENSITIVITY CONTROL FOR PATIENT MONITORS	6/20/11	13/163975		
Pending	WO	ALARM SENSITIVITY CONTROL FOR PATIENT MONITORS	6/20/12	PCTUS12/043304		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	METHOD AND SYSTEM FOR DETERMINING VASCULAR CHANGES USING PLETHYSMOGRAPHIC SIGNALS	1/31/11	13/017462		
Pending	WO	METHOD AND SYSTEM FOR DETERMINING VASCULAR CHANGES USING PLETHYSMOGRAPHIC SIGNALS	1/31/12	PCTUS12/023210		
Published	US	FILMS FOR TOUCHSCREEN DISPLAYS OF MEDICAL DEVICE MONITORS	3/30/11	13/076318		
Published	WO	FILMS FOR TOUCHSCREEN DISPLAYS OF MEDICAL DEVICE MONITORS	3/30/11	PCTUS11/030599		
Published	US	TRACHEAL TUBE WITH ADJUSTABLE FLANGES	9/1/10	12/873484		
Published	WO	TRACHEAL TUBE WITH ADJUSTABLE FLANGES	8/4/11	PCTUS11/046623		
Published	US	SYSTEMS AND METHOD FOR ESTIMATING STABILITY OF A CONTINUOUS WAVELET TRANSFORM	6/4/10	12/794205		
Published	US	TRACHEAL TUBE WITH MULTIFUNCTIONAL LUMEN	6/29/10	12/825912		
Published	WO	TRACHEAL TUBE WITH MULTIFUNCTIONAL LUMEN	6/7/11	PCTUS11/039452		
Published	US	MEDICAL DEVICE TUBE HAVING SUCTION LUMEN AND AN ASSOCIATED SUCTIONING SYSTEM	7/30/10	12/847795		
Published	WO	MEDICAL DEVICE TUBE HAVING A SUCTION LUMEN AND AN ASSOCIATED SUCTIONING SYSTEM	7/12/11	PCTUS11/043635		
Published	US	DUAL-LUMEN TRACHEAL TUBE WITH SHAPED LUMEN DIVIDER	7/29/10	12/846607		
Published	US	EVALUATION BOARD FOR A MEDICAL MONITORING MODULE SYSTEM AND METHOD	3/16/10	12/725218		
Published	CA	EVALUATION KIT FOR MEDICAL MONITORING MODULE SYSTEM AND METHOD	7/10/10	2771067		
Published	EP	EVALUATION KIT FOR MEDICAL MONITORING MODULE SYSTEM AND METHOD	7/20/10	10742332.9		
Published	US	EVALUATION KIT FOR MEDICAL MONITORING MODULE SYSTEM AND METHOD	3/16/10	12/725206		
Pending	BR	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	1120120090135		
Published	CA	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	2770314		
Pending	CN	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	201080039280.7		
Published	EP	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	10742331.1		
Pending	IN	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	1155/CHENP/2012		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	SG	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	7/20/10	201200888-4		
Published	US	PROTOCOL ANALYZER SYSTEM AND METHOD FOR MEDICAL MONITORING MODULE	3/16/10	12/725217		
Pending	US	MEDICAL DEVICE WITH CONDITIONAL POWER CONSUMPTION	11/30/11	13/307611		
Published	US	TRACHEAL TUBES WITH IMPROVED SECRETION REMOVAL SYSTEMS	6/30/10	12/827887		
Published	WO	TRACHEAL TUBES WITH IMPROVED SECRETION REMOVAL SYSTEMS	6/7/11	PCTUS11/039427		
Published	US	MEDICAL DEVICE TUBE HAVING SPACED LUMENS AND AN ASSOCIATED PORTED ADAPTER	4/30/10	12/771516		
Published	WO	MEDICAL DEVICE TUBE HAVING SPACED LUMENS AND AN ASSOCIATED PORTED ADAPTER	4/12/11	PCTUS11/032120		
Pending	EP	TRACHEAL TUBE WITH SCAFFOLDING-SUPPORTED WALL	3/11/11	11710608.8		
Published	US	TRACHEAL TUBE WITH SCAFFOLDING-SUPPORTED WALL	3/31/10	12/750789		
Published	US	MEDICAL MONITOR DATA COLLECTION SYSTEM AND METHOD	2/28/11	13/036472		
Published	US	ADAPTIVE FLOW SENSOR MODEL	12/21/09	12/643083		
Pending	AU	A METHOD FOR ESTIMATING AT LEAST ONE PARAMETER AT A PATIENT CIRCUIT WYE IN A MEDICAL VENTILATOR PROVIDING VENTILATION TO A PATIENT	2/18/11	2011218803		
Pending	CA	A METHOD FOR ESTIMATING AT LEAST ONE PARAMETER AT A PATIENT CIRCUIT WYE IN A MEDICAL VENTILATOR PROVIDING VENTILATION TO A PATIENT	2/18/11			
Pending	EP	SENSOR MODEL	2/18/11	11706697.7		
Published	US	SENSOR MODEL	2/26/10	12/713483		
Published	US	PROPORTIONAL SOLENOID VALVE FOR LOW MOLECULAR WEIGHT GAS MIXTURES	2/26/10	12/713439		
Published	US	METHODS FOR VALIDATING PATIENT IDENTITY	7/28/10	12/844942		
Published	US	MEDICAL VENTILATOR WITH INTEGRATED OXIMETER DATA	9/21/10	12/887077		
Published	US	METHOD AND APPARATUS FOR INDICATING BATTERY CELL STATUS ON A BATTERY PACK ASSEMBLY USED DURING MECHANICAL VENTILATION	4/9/10	12/757131		

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Published	US	APPARATUS AND SYSTEM FOR A BATTERY PACK ASSEMBLY USED DURING MECHANICAL VENTILATION	4/9/10	12/757124		
Pending	EP	TRACHEOSTOMY TUBE WITH FILLETED FLANGE	3/11/11	11710609.6		
Pending	US	FILLETED FLANGE FOR A TRACHEOSTOMY TUBE	2/25/11	29/386172		
Published	US	TRACHEOSTOMY TUBE WITH FILLETED FLANGE	3/26/10	12/732432		
Published	US	SIMULTANEOUS MEASUREMENT OF PULSE AND REGIONAL BLOOD OXYGEN SATURATION	11/12/10	12/944945		
Pending	AU	SYSTEMS AND METHODS FOR COMBINED PHYSIOLOGICAL SENSORS	11/12/10	2010319403		
Published	CA	SYSTEMS AND METHODS FOR COMBINED PHYSIOLOGICAL SENSORS	11/12/10	2780005		
Published	EP	SYSTEMS AND METHODS FOR COMBINED PHYSIOLOGICAL SENSORS	11/12/10	10787603.9		
Pending	JP	SYSTEMS AND METHODS FOR COMBINED PHYSIOLOGICAL SENSORS	11/12/10			
Published	US	SYSTEMS AND METHODS FOR COMBINED PHYSIOLOGICAL SENSORS	11/12/10	12/944950		
Published	US	SYSTEMS AND METHODS FOR PROVIDING SENSOR ARRAYS FOR DETECTING PHYSIOLOGICAL CHARACTERISTICS	11/12/10	12/944955		
Published	US	EXTENDABLE TRACHEAL TUBE	4/30/10	12/771166		
Granted	EM	GRAPHICAL USER INTERFACES	6/2/10	1715079	6/15/10	001715079
Granted	US	VENTILATOR DISPLAY SCREEN WITH A USER INTERFACE	12/4/09	29/351412	11/22/11	D649157
Published	US	QUICK INITIATION OF RESPIRATORY SUPPORT VIA A VENTILATOR USER INTERFACE	4/15/10	12/760649		
Published	US	VISUAL INDICATION OF ALARMS ON A VENTILATOR GRAPHICAL USER INTERFACE	12/4/09	12/631685		
Granted	EM	CONDENSED AND EXPANDED ALARM ICON FOR USE ON A VENTILATOR GRAPHICAL USER INTERFACE	6/2/10	1715079-0002	6/15/10	001715079
Granted	US	VENTILATOR DISPLAY SCREEN WITH AN ALARM ICON	12/4/09	29/351407	5/31/11	D638852
Published	US	VISUAL INDICATION OF SETTINGS CHANGES ON A VENTILATOR GRAPHICAL USER INTERFACE	12/4/09	12/631752		
Published	US	DISPLAY AND ACCESS TO SETTINGS ON A VENTILATOR GRAPHICAL USER INTERFACE	12/4/09	12/631750		
Published	US	DISPLAY OF RESPIRATORY DATA ON A VENTILATOR GRAPHICAL USER INTERFACE	12/4/09	12/631712		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	EXHALATION VALVE ASSEMBLY WITH SELECTABLE CONTAGIOUS/NON-CONTAGIOUS LATCH	12/1/09	12/628856		
Published	US	EXHALATION VALVE ASSEMBLY WITH INTEGRATED FILTER AND FLOW SENSOR	12/1/09	12/628882		
Published	US	EXHALATION VALVE ASSEMBLY WITH INTEGRATED FILTER	12/1/09	12/628905		
Published	US	VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH SAMPLING CHAMBER	3/23/10	12/729296		
Published	US	VENTILATOR RESPIRATORY VARIABLE-SIZED GAS ACCUMULATOR	3/23/10	12/729303		
Published	CA	VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH PURGE VALVE	11/30/10	2782371		
Pending	EP	VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH PURGE VALVE	11/30/10	10785294.9		
Published	US	VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH PURGE VALVE	3/23/10	12/729300		
Published	US	VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH DIP TUBE	3/23/10	12/729293		
Pending	US	MULTIPLE WAVELENGTH PULSE OXIMETRY WITH SENSOR REDUNDANCY	3/30/11	13/076232		
Published	US	TRACHEAL TUBE WITH DIVIDING MEMBRANE	4/30/10	12/771141		
Published	CA	EXHALATION VALVE ASSEMBLY	11/30/10	2782372		
Pending	EP	EXHALATION VALVE ASSEMBLY	11/30/10	10790489.8		
Published	US	EXHALATION VALVE ASSEMBLY	12/1/09	12/628921		
Pending	US	METHODS AND SYSTEMS FOR MANAGING A VENTILATOR PATIENT WITH A CAPNOMETER	4/29/11	13/098152		
Published	US	METHODS AND SYSTEMS FOR MONITORING A VENTILATOR PATIENT WITH A CAPNOGRAPH	11/30/10	12/956238		
Published	WO	METHODS AND SYSTEMS FOR MONITORING A VENTILATOR PATIENT WITH A CAPNOGRAPH	11/29/11	PCTUS11/062298		
Granted	EM	MEDICAL VENTILATOR	6/2/10	1715020-0001	6/14/10	001715020
Granted	US	MEDICAL VENTILATOR	12/4/09	29/351402	8/16/11	D643535
Granted	EM	TANK HOLDER	6/2/10	1715020-0002	6/14/10	1715020

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Granted	US	TANK HOLDER	12/4/09	29/351401	6/22/10	D618356
Granted	BE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	95922265.4	5/14/03	0764001
Granted	CA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	10/23/92	2122032	10/21/03	2122032
Granted	CA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	2191594	9/20/05	2191594
Granted	CA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	10/23/92	2434275	2/1/05	2434275
Granted	DE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	10/23/92	92922952.4	3/31/99	0610365
Granted	DE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	9592226534	5/14/03	69530768
Granted	DE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	10/23/92	898234	11/25/99	69228823
Granted	ES	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	95922265.4	5/14/03	0764001
Granted	FR	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	95922265.4	5/14/03	0764001
Granted	GB	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	10/23/92	92922952.4	3/31/99	0610365
Granted	GB	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/8/95	95922265.4	5/14/03	0764001
Granted	US	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD	6/9/94	08/257356	10/17/95	5458117
Granted	AT	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	9392172.1.2	9/15/01	0618781
Granted	AU	AN ELECTRODE FOR USE IN MONITORING ELECTRICAL BODY SIGNALS	9/23/93	199349323	5/22/97	0678176
Granted	BE	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	93921721.2	9/5/01	0618781
Granted	CA	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	2123807	7/13/04	2123807
Granted	CH	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	93921721.2	9/5/01	0618781
Granted	DE	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	93921721.2	9/5/01	69330710
Granted	FR	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	93921721.2	9/5/01	0618781
Granted	GB	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	93921721.2	9/5/01	0618781
Granted	JP	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/23/93	6-509165	5/24/02	3309122
Granted	US	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE	9/29/92	07/952970	4/26/94	5305746
Granted	CA	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BOLDILY FUNCTIONS	10/13/93	2146979	6/21/05	2146979
Granted	US	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS	10/14/93	08/135801	1/17/95	5381804
Granted	AU	ELECTRODE CONNECTOR SYSTEM	10/18/96	199675171	11/11/99	708245
Granted	CA	ELECTRODE CONNECTOR SYSTEM	10/18/96	2235317	5/3/05	2235317
Granted	DE	ELECTRODE CONNECTOR SYSTEM	10/18/96	96937692.0	8/4/04	0863719
Granted	FR	ELECTRICAL ELECTRODE CONNECTOR SYSTEM	10/18/96	96937692.0	8/4/04	0863719
Granted	GB	ELECTRICAL ELECTRODE CONNECTOR SYSTEM	10/18/96	96937692.0	8/4/04	0863719
Granted	JP	ELECTRODE CONNECTOR SYSTEM	10/18/96	H09-515970	5/18/07	3955962
Granted	US	ELECTRODE CONNECTOR SYSTEM	10/20/95	08/545981	9/29/98	5813404
Granted	US	ELECTRODE CONNECTOR SYSTEM	9/28/98	09/162025	5/22/01	6236874

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Granted	AU	METHOD FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	8/31/01	200165580	3/26/05	779506
Granted	AU	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	8/31/01	200165581	5/26/05	779475
Granted	AU	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	199749082	3/7/02	741021
Granted	CA	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	2268483	1/30/07	2268483
Granted	DE	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	97911789.2	3/16/05	69732790.6-08
Granted	DE	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	03010436.8	12/28/05	1350462
Granted	FR	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	030010436.8	12/28/05	1350462
Granted	FR	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	97911789.2	3/16/05	0951233
Granted	GB	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	030010436.8	12/28/05	1350462
Granted	GB	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/10/97	97911789.2	3/16/05	0951233
Granted	JP	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	7/18/07	2007-186504	4/23/10	4496504
Granted	US	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	10/11/96	08/730638	2/29/00	6032064
Granted	US	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	2/25/00	09/513760	5/28/02	6394953
Granted	US	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS	5/28/02	10/156305	11/25/03	6654626
Granted	AU	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	199856150	8/9/01	732539
Granted	CA	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	2275901	11/30/04	2275901
Granted	DE	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	97952570.6	8/20/03	0957761
Granted	FR	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	97952570.6	8/20/03	0957761
Granted	GB	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	97952570.6	8/20/03	0957761
Granted	JP	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/19/97	H10-529004	10/19/07	4025926
Granted	US	METHOD AND SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS	12/24/96	08/773100	8/11/98	5792069
Granted	AU	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	199923414	6/19/03	757564
Granted	CA	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	2285354	8/12/08	2285354
Granted	DE	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	99903375.6	4/6/05	0971628
Granted	FR	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	99903375.6	4/6/05	0971628

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Granted	GB	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	99903375.6	4/6/05	0971628
Granted	JP	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/25/99	H11-539389	9/10/10	4582510
Granted	US	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS	1/30/98	09/016104	2/29/00	6032072
Granted	AU	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	199945789	3/25/04	768493
Granted	CA	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	2334535	2/5/08	2334535
Granted	DE	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	99928804.6	2/9/05	1087695
Granted	FR	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	99928804.6	2/9/05	1087695
Granted	GB	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	99928804.6	2/9/05	1087695
Granted	JP	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/18/99	2000-554273	8/6/10	4560668
Granted	US	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION	6/19/98	09/100290	8/13/02	6434410
Granted	AU	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	199955474	9/9/04	773433
Granted	CA	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	2338843	12/2/08	2338843
Granted	DE	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	99942007.8	1/8/03	1105812
Granted	FR	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	99942007.8	1/8/03	1105812
Granted	GB	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	99942007.8	1/8/03	1105812
Granted	JP	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/4/99	2000-566757	8/27/10	4573149
Granted	US	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING	8/18/98	09/135931	1/15/02	6338713
Granted	AU	A SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION	6/9/00	200079815	6/9/05	780076
Granted	BR	SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION AND AN INTERFACE FOR A SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM	6/9/00	PI0011434-0	4/7/09	PI0011434-0
Granted	CA	SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION	6/9/00	2371858	9/2/08	2371858

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	DE	SMART SENSOR IN ELECTROPHYSIOLOGICAL SENSOR SYSTEM, HAS INTERFACE PLATFORM CARRYING SMART CARD SEMICONDUCTOR MEMORY MODULE, CONNECTED TO ELECTRODE ARRAY	6/9/00	00970431.3	4/2/08	1182965
Granted	FR	SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION	6/9/00	00970431.3	4/7/09	1182965
Granted	GB	SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION	6/9/00	00970431.3	4/2/08	1182965
Granted	MX	SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION	6/9/00	PA/A/2001/012689	12/19/05	233167
Granted	US	A SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION AND AN INTERFACE FOR A SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM	6/9/99	09/328945	10/2/01	6298255
Granted	AU	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	2002316349	7/24/08	2002316349
Published	BR	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	P10210577-2		
Granted	CA	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	2450945	9/16/08	2450945
Granted	DE	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	02746642.4	4/20/11	1399060
Granted	FR	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	02746642.4	4/20/11	1399060
Granted	GB	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	02746642.4	4/20/11	1399060
Granted	JP	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	2003-506580	2/6/09	4253745
Granted	MX	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	PA/A/2003/011796	11/30/07	252030
Granted	US	SYSTEM AND METHOD FOR THE DETECTION AND REMOVAL OF RADIO FREQUENCY NOISE ARTIFACT FROM BIOPOTENTIAL SIGNALS	6/21/02	10/177708	1/10/06	6985833
Granted	AU	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	2002327200	11/14/08	2002327200
Granted	CA	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	2452367	10/28/08	2452367
Granted	DE	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	02763228.0	11/14/07	1411830
Granted	ES	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	02763228.0	11/14/07	1411830

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Granted	FR	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	02763228.0	11/14/07	1411830
Granted	GB	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	02763228.0	11/14/07	1411830
Granted	JP	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	2003-509938	12/4/09	4415215
Granted	MX	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	7/3/02	PA/A/2004/000009	6/3/08	257622
Granted	US	SYSTEM AND METHOD FOR MEASURING THE VALIDITY OF A BIOELECTRIC IMPEDANCE MEASUREMENT IN THE PRESENCE OF INTERFERENCE	7/3/02	10/190246	4/19/05	6882166
Granted	US	SYSTEM AND METHOD FOR MEASURING BIOELECTRIC IMPEDANCE IN THE PRESENCE OF INTERFERENCE	4/14/05	11/105960	1/9/07	7161362
Granted	AU	SYSTEM AND METHOD OF ASSESSMENT OF NEUROLOGICAL CONDITIONS USING EEG BISPECTRUM	1/6/03	2003206411	2/5/09	2003206411
Published	BR	SYSTEM AND METHOD OF ASSESSMENT OF NEUROLOGICAL CONDITIONS USING EEG BISPECTRUM	1/6/03	PI0306712-2		
Published	CA	SYSTEM AND METHOD OF ASSESSMENT OF NEUROLOGICAL CONDITIONS USING EEG	1/6/03	2472156		
Granted	DE	SYSTEM AND METHOD OF ASSESSMENT OF MOOD DISORDERS USING EEG	1/6/03	03703709.0	12/17/08	1460933
Granted	ES	SYSTEM AND METHOD OF ASSESSMENT OF MOOD DISORDERS USING EEG	1/6/03	03703709.0	12/17/08	1460933
Granted	FR	SYSTEM AND METHOD OF ASSESSMENT OF MOOD DISORDERS USING EEG	1/6/03	03703709.0	12/17/08	1460933
Granted	GB	SYSTEM AND METHOD OF ASSESSMENT OF MOOD DISORDERS USING EEG	1/6/03	03703709.0	12/17/08	1460933
Granted	MX	SYSTEM AND METHOD OF ASSESSMENT OF NEUROLOGICAL CONDITIONS USING EEG BISPECTRUM	1/6/03	PA/A/2004/006544	1/14/09	263812
Granted	US	SYSTEM AND METHOD OF ASSESSMENT OF NEUROLOGICAL CONDITIONS USING EEG	1/6/03	10/337088	6/12/07	7231245
Granted	AU	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	2003226171	1/15/09	2003226171
Published	BR	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	PI0308878-2		
Published	CA	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	2479916		
Published	EP	PULSE TRANSIT TIME (PTT) REFLECTS CHANGES IN ANESTHETIC STATE DURING SEVOFLURANCE/N2O ANESTHESIA	4/1/03	03746093.8		
Granted	JP	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	2003-581648	11/6/09	4399712
Granted	MX	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	PA/A/2004/009533	7/7/09	268061
Published	US	SYSTEM AND METHOD OF ASSESSMENT OF AROUSAL, PAIN AND STRESS DURING ANESTHESIA AND SEDATION	4/1/03	10/404869		
Granted	AU	SYSTEM AND METHOD OF ASSESSMENT OF THE EFFICACY OF TREATMENT OF NEUROLOGICAL DISORDERS USING THE ELECTROENCEPHALOGRAM	5/6/04	2004238259	6/3/10	2004238259

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Published	BR	SYSTEM AND METHOD OF ASSESSMENT OF THE EFFICACY OF TREATMENT OF NEUROLOGICAL DISORDERS USING THE ELCTROENCEPHALOGRAM	5/6/04	PI0410296-7		
Published	CA	SYSTEM AND METHOD OF ASSESSMENT OF THE EFFICACY OF TREATMENT OF NEUROLOGICAL DISORDERS USING THE ELCTROENCEPHALOGRAM	5/6/04	2524617		
Granted	MX	SYSTEM AND METHOD OF ASSESSMENT OF THE EFFICACY OF TREATMENT OF NEUROLOGICAL DISORDERS USING THE ELCTROENCEPHALOGRAM	5/6/04	PA/A/2005/011913	9/24/10	279324
Granted	US	SYSTEM AND METHOD OF ASSESSMENT OF THE EFFICACY OF TREATMENT OF NEUROLOGICAL DISORDERS USING THE ELCTROENCEPHALOGRAM	5/6/04	10/840343	8/26/08	7418290
Granted	US	SYSTEM AND METHOD OF PREDICTION OF RESPONSE TO NEUROLOGICAL TREATMENT USING THE ELCTROENCEPHALOGRAM	2/18/05	11/061103	4/27/10	7706871
Granted	AU	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING THE TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	2006204963	3/15/12	2006204963
Published	BR	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING THE TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	PI0606306-3		
Published	CA	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING THE TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	2594456		
Published	EP	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING THE TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	06718167.7		
Granted	MX	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING THE TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	MX/A/2007/008439	7/6/10	277136
Granted	US	SYSTEM AND METHOD FOR PREDICTION OF ADVERSE EVENTS DURING TREATMENT OF PSYCHOLOGICAL AND NEUROLOGICAL DISORDERS	1/12/06	11/330593	8/23/11	8005534
Published	AU	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	3/30/07	2007233071		
Published	BR	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	3/30/07	PI0710104-0		
Published	CA	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	3/30/07	2647729		
Published	EP	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	3/30/07	07759890.2		
Pending	JP	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	3/30/07	2009-503320		
Published	US	SYSTEM AND METHOD OF ASSESSING ANALGESIC ADEQUACY USING BIOPOTENTIAL VARIABILITY	6/14/11	13/159459		
Pending	AU	PHYSIOLOGICAL SENSOR SYSTEM WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	2007313907		

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Published	CA	PHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION BY MEANS OF A RADIO FREQUENCY IDENTIFICATION PROTOCOL WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	2659226		
Published	CA	A SYSTEM FOR DETECTING AND COMMUNICATING WITH RFID MEMORY DEVICES	10/12/07	2659255		
Published	EP	PHYSIOLOGICAL SENSOR SYSTEM WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	07868433.9		
Published	EP	A SYSTEM FOR DETECTING AND COMMUNICATING WITH RFID MEMORY DEVICES	10/12/07	07868435.4		
Published	JP	PHYSIOLOGICAL SENSOR SYSTEM WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	2009-532607		
Published	JP	PHYSIOLOGICAL SENSOR SYSTEM WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	2009-532604		
Granted	US	PHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION BY MEANS OF A RADIO FREQUENCY IDENTIFICATION PROTOCOL WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	10/12/07	11/871585	12/13/11	8077039
Published	US	SYSTEM FOR DETECTING AND COMMUNICATING WITH RFID MEMORY DEVICES	10/12/07	11/871599		
Published	US	PHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION BY MEANS OF A RADIO FREQUENCY IDENTIFICATION PROTOCOL WITH AN INTEGRATED RFID INTERROGATOR SYSTEM	12/9/11	13/315486		
Published	US	VISUAL INDICATION OF ALARMS ON A VENTILATOR GRAPHICAL USER INTERFACE	12/16/10	12/970696		
Published	US	DISPLAY OF RESPIRATORY DATA GRAPHS ON A VENTILATOR GRAPHICAL USER INTERFACE	7/27/10	12/844579		
Granted	US	SYSTEM AND METHOD FOR EEG IMAGING OF CEREBRAL ACTIVITY USING SMALL ELECTRODE SETS	12/5/05	11/294321	10/5/10	7809434
Published	EP	SKIN PREPARATION DEVICE AND BIOPOTENTIAL SENSOR	5/4/09	09740002.2		
Published	US	SKIN PREPARATION DEVICE AND BIOPOTENTIAL SENSOR	5/4/09	12/435028		
Pending	CA	LEAK DETERMINATION IN A BREATHING ASSISTANCE SYSTEM	2/8/11			
Pending	EP	LEAK DETERMINATION IN A BREATHING ASSISTANCE SYSTEM	2/8/11	11705344.7		
Published	US	LEAK DETERMINATION IN A BREATHING ASSISTANCE SYSTEM	4/29/10	12/769876		
Published	US	SNR THROUGH AMBIENT LIGHT CANCELLATION	11/30/10	12/956062		
Published	WO	IMPROVED SNR THROUGH AMBIENT LIGHT CANCELLATION	11/21/11	PCTUS11/061576		
Published	US	CABLE CROSS TALK SUPPRESSION	7/29/10	12/845817		
Pending	US	PHOTOPLETHYSMOGRAPHY FOR DETERMINING VENTILATION WEANING READINESS	6/30/11	13/174421		

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Pending	US	Methods and Systems for Volume-Targeted Minimum Pressure-Control Ventilation	4/29/11	13/098066		
Published	US	SHOCK OR SEPSIS EARLY DETECTION METHOD AND SYSTEM	2/28/11	13/037069		
Published	WO	SHOCK OR SEPSIS EARLY DETECTION METHOD AND SYSTEM	2/23/12	PCTUS12/026247		
Pending	EP	VENTILATION SYSTEM WITH REMOVABLE PRIMARY DISPLAY	12/3/10	10795121.2		
Published	US	VENTILATION SYSTEM WITH REMOVABLE PRIMARY DISPLAY	5/7/10	12/775779		
Published	US	SYSTEM AND METHOD FOR INTEGRATING CLINICAL INFORMATION TO PROVIDE REAL-TIME ALERTS FOR IMPROVING PATIENT OUTCOMES	4/1/10	12/752288		
Published	US	VENTILATION SYSTEM WITH SYSTEM STATUS DISPLAY	5/7/10	12/775788		
Published	US	VENTILATION SYSTEM WITH SYSTEM STATUS DISPLAY INCLUDING A USER INTERFACE	5/7/10	12/775793		
Pending	AU	COMBINED FOREHEAD SENSOR SYSTEMS AND METHODS	2/3/11	2011212903		
Pending	CA	COMBINED FOREHEAD SENSOR SYSTEMS AND METHODS	2/3/11			
Pending	EP	COMBINED FOREHEAD SENSOR SYSTEMS AND METHODS	2/3/11	11705336.3		
Published	US	COMBINED PHYSIOLOGICAL SENSOR SYSTEMS AND METHODS	2/3/11	13/020704		
Pending	US	LOW-NOISE OPTICAL CURRENT SOURCE	10/27/11	13/283041		
Pending	US	PATIENT SIMULATOR FOR OXIMETER TESTING	10/27/11	13/283137		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING VOLUME VENTILATION OF TRIGGERING PATIENT	5/7/10	12/775550		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING VOLUME VENTILATION OF TRIGGERING PATIENT	4/21/11	PCTUS11/033446		
Granted	AU	SYSTEM AND METHOD OF PREDICTION OF RESPONSE TO NEUROLOGICAL TREATMENT USING THE ELCTROENCEPHALOGRAM	2/17/06	2006214074	5/17/12	2006214074
Published	BR	SYSTEM AND METHOD OF PREDICTION OF RESPONSE TO NEUROLOGICAL TREATMENT USING THE ELCTROENCEPHALOGRAM	2/17/06	P10608873-2		
Published	US	USE OF MULTIPLE SPONTANEOUS BREATH TYPES TO PROMOTE PATIENT VENTILATOR SYNCHRONY	2/28/11	13/036825		

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Published	CA	INTERACTIVE MULTILEVEL ALARM	12/3/10	2782412		
Pending	EP	INTERACTIVE MULTILEVEL ALARM	12/3/10	10800800.4		
Published	US	INTERACTIVE MULTILEVEL ALARM	4/15/10	12/760709		
Published	US	DISPLAY OF HISTORICAL ALARM STATUS	4/15/10	12/760725		
Published	US	ALARM INDICATION SYSTEM	4/15/10	12/760755		
Pending	US	PATIENT MONITORING SYSTEMS WITH GOAL INDICATORS	6/30/11	13/174446		
Pending	WO	PATIENT MONITORING SYSTEMS WITH GOAL INDICATORS	6/29/12	PCTUS12/044862		
Published	US	VENTILATOR-INITIATED PROMPT IN RESPONSE TO PROPOSED SETTING ADJUSTMENT	10/13/10	12/903358		
Published	WO	VENTILATOR-INITIATED PROMPT IN RESPONSE TO PROPOSED SETTING ADJUSTMENT	10/13/11	PCTUS11/056195		
Pending	US	PHOTON DENSITY WAVE BASED DETERMINATION OF PHYSIOLOGICAL BLOOD PARAMETERS	5/31/11	13/149623		
Pending	WO	PHOTON DENSITY WAVE BASED DETERMINATION OF PHYSIOLOGICAL BLOOD PARAMETERS	4/13/12	PCTUS12/033486		
Published	US	CONFIGURABLE PATIENT MONITORING SYSTEM	7/27/11	13/192006		
Pending	US	PATHLENGTH ENHANCEMENT OF OPTICAL MEASUREMENT OF PHYSIOLOGICAL BLOOD PARAMETERS	6/12/12	13/494630		
Pending	US	SHIELDED CABLE FOR MEDICAL SENSOR	9/22/11	13/239700		
Pending	WO	SHIELDED CABLE FOR MEDICAL SENSOR	8/30/12	PCTUS12/053011		
Pending	US	METHOD AND SYSTEM FOR POSITIONING A SENSOR	3/29/11	13/074127		
Pending	US	DEVICES AND METHODS FOR REDUCING WIRELESS COMMUNICATION IN A PATIENT MONITORING SYSTEM	7/14/11	13/182643		
Pending	WO	DEVICES AND METHODS FOR REDUCING WIRELESS COMMUNICATION IN A PATIENT MONITORING SYSTEM	6/13/12	PCTUS12/042138		
Published	US	TRACHEAL TUBE WITH CONNECTOR INSERT	5/27/10	12/788569		
Published	WO	TRACHEAL TUBE WITH CONNECTOR INSERT	5/11/11	PCTUS11/036030		
Granted	US	FILTER AND VALVE BODY FOR AN EXHALATION MODULE	4/27/10	29/360554	3/6/12	D655405
Granted	US	VALVE BODY WITH INTEGRAL FLOW METER FOR AN EXHALATION MODULE	4/27/10	29/360555	3/13/12	D655809

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Granted	US	EXHALATION MODULE FILTER BODY	4/27/10	29/360553	2/7/12	D653749
Published	US	VENTILATION SYSTEM WITH SYSTEM STATUS DISPLAY FOR CONFIGURATION AND PROGRAM INFORMATION	4/27/10	12/768569		
Published	WO	VENTILATION SYSTEM WITH SYSTEM STATUS DISPLAY FOR CONFIGURATION AND PROGRAM INFORMATION	4/21/11	PCTUS11/033460		
Published	US	VENTILATION SYSTEM WITH SYSTEM STATUS DISPLAY FOR MAINTENANCE AND SERVICE INFORMATION	4/27/10	12/768656		
Granted	US	SYSTEM STATUS DISPLAY	4/27/10	29/360549	9/13/11	D645158
Granted	US	DISPLAY SCREEN ON A SYSTEM STATUS DISPLAY	8/9/11	29/399059	3/20/12	D656237
Published	US	VENTILATION SYSTEM WITH A TWO-POINT PERSPECTIVE VIEW	4/27/10	12/768649		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING VOLUME VENTILATION OF NON-TRIGGERING PATIENT	5/7/10	12/775565		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF FLUCTUATIONS IN RESISTANCE	11/29/10	12/955523		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF FLUCTUATIONS IN RESISTANCE	11/29/11	PCTUS11/062301		
Pending	US	VISUALIZATION DEVICE AND HOLDER OF USE WITH A TRACHEAL TUBE	4/5/11	13/080226		
Pending	US	MULTIPLE PEAK ANALYSIS IN A PHOTOACOUSTIC SYSTEM	1/25/12	13/357839		
Pending	US	PHOTON DENSITY WAVE BASED DETERMINATION OF PHYSIOLOGICAL BLOOD PARAMETERS	5/31/11	13/149606		
Pending	US	SENSOR SYSTEM WITH PRESSURE APPLICATION	9/29/11	13/248733		
Pending	US	FILTERED DETECTOR ARRAY FOR OPTICAL PATIENT SENSORS	9/7/11	13/226637		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING VOLUME VENTILATION OF NON-TRIGGERING PATIENT EXHIBITING OBSTRUCTIVE COMPONENT	6/30/10	12/826847		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING VOLUME VENTILATION OF TRIGGERING PATIENT EXHIBITING OBSTRUCTIVE COMPONENT	6/30/10	12/826828		

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Pending	US	SYSTEMS AND METHODS FOR CREATING SHARP FEATURES WITHIN A MOLD	3/31/11	13/077148		
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC MONITORING USING INDICATOR DILUTION	12/5/11	13/310859		
Published	US	TRACHEAL TUBE WITH CONNECTOR INSERT	10/29/10	12/916297		
Pending	US	ILLUMINATION SYSTEMS AND DEVICES FOR TRACHEAL TUBES	5/26/11	13/116921		
Pending	US	HYPOVOLEMIA DIAGNOSIS TECHNIQUE	2/24/12	13/404402		
Pending	US	SYSTEMS AND METHODS FOR AUTOMATIC ADJUSTMENT OF VENTILATOR SETTINGS	3/30/11	13/076184		
Published	US	SYSTEMS AND METHODS FOR VENTILATION TO OBTAIN A PREDETERMINED PATIENT EFFORT	12/29/10	12/980583		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING PRESSURE VENTILATION	6/30/10	12/827130		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING PRESSURE VENTILATION	6/10/11	PCTUS11/039899		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING AUTO-PEEP DETECTION DURING PRESSURE VENTILATION OF PATIENT EXHIBITING OBSTRUCTIVE COMPONENT	6/30/10	12/827075		
Pending	US	LOW ACQUITY USER INTERFACE FOR A DISPLAY SCREEN	5/26/10	29/362519		
Pending	US	LOW ACQUITY USER INTERFACE	5/26/10	29/362521		
Published	US	MULTI-LUMEN TRACHEAL TUBE WITH VISUALIZATION DEVICE	12/29/10	12/981296		
Published	WO	MULTI-LUMEN TRACHEAL TUBE WITH VISUALIZATION DEVICE	12/6/11	PCTUS11/063492		
Published	US	SYSTEM AND METHOD TO DETERMINE SPO2 VARIABILITY AND ADDITIONAL PHYSIOLOGICAL PARAMETERS TO DETECT PATIENT STATUS	8/18/11	13/212874		
Published	WO	SYSTEM AND METHOD TO DETERMINE SPO2 VARIABILITY AND ADDITIONAL PHYSIOLOGICAL PARAMETERS TO DETECT PATIENT STATUS	8/22/11	PCTUS11/048592		
Pending	US	TRACHEAL TUBE WITH CONNECTOR INSERT	3/31/11	13/076729		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	SYSTEMS AND METHODS FOR SIMULATION AND SOFTWARE TESTING	1/31/11	13/017277		
Published	US	SYSTEMS AND METHODS FOR MEDICAL DEVICE TESTING	1/31/11	13/017311		
Pending	US	MULTI-PURPOSE SENSOR SYSTEM	7/29/11	13/193870		
Published	US	TEMPERATURE MONITORING AND CONTROL DEVICES FOR TRACHEAL TUBES	12/29/10	12/980665		
Pending	US	SYSTEMS AND METHODS FOR PROVIDING VENITLATION BASED ON PATIENT NEED	6/30/11	13/173987		
Published	US	TRACHEAL TUBE WITH REINFORCED PROXIMAL EXTENSION	11/11/10	12/944172		
Published	WO	TRACHEAL TUBE WITH REINFORCED PROXIMAL EXTENSION	10/20/11	PCTUS11/057018		
Pending	US	REVERSE TRACHEAL STOMA DILATION METHOD AND APPARATUS	5/31/11	13/118718		
Pending	US	TRACHEAL TUBE WITH VISUALIZATION DEVICE AND INTEGRATED FLUSHING SYSTEM	8/31/11	13/222645		
Pending	US	PREVIOUS SET UP MODE PARAMETER RETENTION	5/31/11	13/149722		
Pending	US	METHODS AND SYSTEMS FOR EXHALATION CONTROL AND TRAJECTORY OPTIMIZATION	4/29/11	13/098130		
Published	US	METHODS AND SYSTEMS FOR TRANSITORY VENTILATION SUPPORT	2/27/11	13/035977		
Published	US	MEDICAL VISUALIZATION TECHNIQUE AND APPARATUS	1/31/11	13/018006		
Pending	US	TRACHEAL TUBE POSITIONING DEVICES AND METHODS	7/29/11	13/193713		
Pending	US	METHODS AND SYSTEMS FOR MONITORING VOLUMETRIC CARBON DIOXIDE	6/30/11	13/174240		
Pending	US	METHODS AND SYSTEMS FOR MODEL-BASED TRANSFORMED PROPORTIONAL ASSIST VENTILATION	7/27/11	13/191709		
Pending	WO	METHODS AND SYSTEMS FOR MODEL-BASED TRANSFORMED PROPORTIONAL ASSIST VENTILATION	7/27/12	PCTUS12/048465		
Pending	US	AUTOMATIC VENTILATOR CHALLENGE TO INDUCE SPONTANEOUS BREATHING EFFORTS	8/30/11	13/220850		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	PICTORIAL REPRESENTATION PATIENT CONDITION TRENDING	1/13/11	13/005748		
Published	US	PULSE OXIMETER ALARM SIMULARTOR AND TRAINING TOOL	2/28/11	13/036748		
Pending	US	RESPIRATION RATE VIEW FOR A DISPLAY SCREEN	9/2/10	29/369153		
Pending	US	CALIBRATION RESISTANCE EMULATOR	11/30/11	13/307727		
Pending	US	TRACHEOSTOMY TUBE ASSEMBLIES HAVING SPHERICAL BEARING ELEMENTS	3/31/11	13/076859		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF DOUBLE TRIGGERING DURING A VOLUME-CONTROL BREATH TYPE	11/29/10	12/955368		
Pending	US	SYSTEMS AND METHODS FOR PROVIDING HAPTIC FEEDBACK IN A MEDICAL MONITOR	4/22/11	13/092619		
Pending	US	PATIENT MONITORING PLATFORM INTERFACE	5/31/11	13/149688		
Pending	WO	PATIENT MONITORING PLATFORM INTERFACE	5/31/12	PCTUS12/040084		
Published	US	NECK FLANGE ATTACHMENT APPARATUSES FOR TRACHEOSTOMY TUBES	2/16/11	13/028968		
Pending	US	TRACHEAL TUBE WITH REINFORCED PROXIMAL EXTENSION	7/29/11	13/193843		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF DOUBLE TRIGGERING DURING VENTILATION	11/29/10	12/955422		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF DOUBLE TRIGGERING DURING VENTILATION	11/29/11	PCTUS11/062302		
Pending	US	FARADAY SHIELD INTEGRATED INTO SENSOR BANDAGE	9/22/11	13/239666		
Pending	WO	FARADAY SHIELD INTEGRATED INTO SENSOR BANDAGE	8/30/12	PCTUS12/053013		
Pending	US	OPTICAL MEASUREMENT OF PHYSIOLOGICAL BLOOD PARAMETERS	12/15/11	13/327384		
Granted	US	TEMPERATURE COMPENSATION METHOD AND APPARATUS FOR SPECTROSCOPIC DEVICES	12/1/92	07/983817	12/26/95	5477853
Granted	US	PATIENT SENSOR FOR OPTICAL CEREBRAL OXIMETERS AND THE LIKE	12/15/94	08/356863	12/17/96	5584296

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Granted	US	ELECTRO-OPTICAL SENSOR FOR SPECTROPHOTOMETRIC MEDICAL DEVICES	7/11/94	08/273366	11/14/95	5465714
Granted	US	METHOD AND APPARATUS FOR SPECTROPHOTOMETRIC CEREBRAL OXIMETRY AND THE LIKE	8/29/94	08/297425	1/9/96	5482034
Granted	US	SPECIALLY GROUNDED SENSOR FOR CLINICAL SPECTROPHOTOMETRIC PROCEDURES	10/14/94	08/324120	12/16/97	5697367
Granted	US	METHOD FOR IMPROVING SIGNAL -TO-NOISE IN CLINICAL SPECTROMETRIC PROCEDURES	5/21/96	08/641875	8/18/98	5795292
Granted	US	METHOD AND APPARATUS FOR MONITORING FETAL CEREBRAL OXYGENATION DURING CHILDBIRTH	11/25/98	09/555351	4/30/02	6381480
Granted	AU	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	1999064113	8/28/03	760195
Granted	CA	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	2346971	2/8/11	2346971
Published	DE	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Published	EP	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	99951731.1		
Published	EP	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Published	ES	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Published	FR	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Published	GB	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Published	HK	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	2009109345.4		
Published	IT	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Granted	JP	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	2007-187685	7/2/10	4542121
Published	JP	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	2000-575419		
Published	NL	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	08168144.7		
Granted	US	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	10/13/99	09/807676	9/2/03	6615065
Pending	US	MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER	9/2/05	11/219298		
Granted	US	METHOD AND APPARATUS FOR DETERMINING CEREBRAL OXYGEN SATURATION	2/27/03	10/506158	5/22/07	7221969
Published	US	DEFORMABLE PHYSIOLOGICAL SENSOR	6/27/08	12/163181		
Published	US	CONFORMABLE PHYSIOLOGICAL SENSOR	11/10/08	12/268245		
Published	US	PHYSIOLOGICAL SENSOR	12/21/07	11/963174		
Published	US	SYSTEM AND METHOD FOR DIFFERENTIATING BETWEEN TISSUE-SPECIFIC AND SYSTEMIC CAUSES OF CHANGES IN OXYGEN SATURATION IN TISSUE AND ORGANS	4/10/09	12/421990		
Published	US	NON-INTERFERING PHYSIOLOGICAL SENSOR SYSTEM	8/18/09	12/543362		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	US	SYSTEM AND METHOD OF DETERMINING LIGHT SOURCE AGING	12/9/08	12/330799		
Granted	US	PHYSIOLOGICAL SENSOR WITH BOOSTER CIRCUIT	12/9/08	12/330840	6/22/10	7741592
Published	US	SYSTEM AND METHOD FOR CUSTOMIZED DISPLAY OF PHYSIOLOGICAL PARAMETERS	12/7/09	12/632200		
Granted	US	PHYSIOLOGICAL SENSOR	2/2/09	29/331817	5/11/10	D615657
Granted	US	PHYSIOLOGICAL SENSOR	2/2/09	29/331818	5/11/10	D615658
Granted	US	PHYSIOLOGICAL SENSOR	2/2/09	29/331819	5/11/10	D615659
Granted	US	PHYSIOLOGICAL SENSOR	2/2/09	29/331827	5/11/10	D615660
Published	US	OPTICAL-BASED PHYSIOLOGICAL SENSOR ASSEMBLY WITH DISPOSABLE BARRIER LAYER	2/16/10	12/706062		
Published	US	BREATHABLE PHYSIOLOGICAL SENSOR	5/13/10	12/779674		
Published	CA	PHYSIOLOGICAL SENSOR HAVING REDUCED SENSITIVITY TO INTERFERENCE	5/14/10	2758386		
Published	EP	PHYSIOLOGICAL SENSOR HAVING REDUCED SENSITIVITY TO INTERFERENCE	5/14/10	10719214.8		
Granted	US	PHYSIOLOGICAL SENSOR HAVING REDUCED SENSITIVITY TO INTERFERENCE	5/26/09	12/471716	5/29/12	8188433
Published	US	PHYSIOLOGICAL SENSOR HAVING REDUCED SENSITIVITY TO INTERFERENCE	5/14/12	13/470717		
Published	US	NEAR-INFRARED SPECTROSCOPY SENSOR WITH LIGHT SHEET	7/8/10	12/832346		
Published	US	PHYSIOLOGICAL SENSOR HAVING A WAIST	7/23/10	12/842801		
Published	US	PHYSIOLOGICAL SENSOR WITH OFFSET ADHESIVE LAYER	7/23/10	12/842809		
Published	US	PHYSIOLOGICAL SENSOR WITH A TAIL	8/20/10	12/860444		
Granted	US	INFANT SENSOR	8/21/09	29/342302	4/6/10	D613413
Published	US	CEREBRAL AUTOREGULATION INDICES	11/5/10	12/940633		
Published	US	SYSTEM AND METHOD OF RESOLVING OUTLIERS IN NIRS CEREBRAL OXIMETRY	2/23/11	13/033568		

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Published	US	PHYSIOLOGICAL PARAMETER STATISTICAL PROCESSING AND DISPLAY	3/30/11	13/076011		
Pending	US	TRACHEAL TUBE FLANGE MEMBER	9/29/11	13/248689		
Pending	US	TRACHEAL TUBE WITH CONTROLLED-PROFILE CUFF	6/29/11	13/171760		
Pending	US	DUAL-LUMEN TRACHEAL TUBE WITH ASSEMBLY PORTION	5/26/11	13/116901		
Pending	US	MEDICAL SENSOR FOR USE WITH HEADBAND	12/16/11	13/328619		
Pending	US	FLEXIBLE BANDAGE EAR SENSOR	3/31/11	13/077275		
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC SIGNAL PROCESSING	10/28/11	13/284580		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF INADEQUATE FLOW DURING VENTILATION	2/27/11	13/035974		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING DETECTION OF INADEQUATE FLOW DURING VENTILATION	2/23/12	PCTUS12/026242		
Granted	US	TRACHEAL DILATOR	11/30/10	29/380063	8/16/11	D643532
Pending	US	TRACHEAL DILATOR	7/8/11	29/396970		
Granted	US	TRACHEAL DILATOR	11/30/10	29/380065	8/16/11	D643533
Granted	US	TRACHEAL DILATOR	11/30/10	29/380067	8/9/11	D643116
Pending	US	TRACEHAL STOMA DILATION APPARATUS AND METHOD OF MANUFACTURE	6/30/11	13/173105		
Pending	US	SYSTEM AND METHOD FOR MEASURING CARDIAC OUTPUT	9/13/12	13/613305		
Pending	US	WIRELESS, REUSABLE, RECHARGEABLE MEDICAL SENSORS AND SYSTEMS FOR RECHARGING AND DISINFECTING THE SAME	5/2/12	13/462328		
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC SIGNAL PROCESSING	10/28/11	13/284568		
Pending	US	MEASURE OF BRAIN VASCULATURE COMPLIANCE AS A MEASURE OF AUTOREGULATION	9/7/12	13/606301		

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Pending	US	NON-INVASIVE METHOD FOR MONITORING AUTOREGULATION	9/7/12	13/606312		
Pending	US	TRACHEAL TUBE HAVING A FLANGE WITH A VARIABLE VOLUME	8/31/11	13/222567		
Pending	US	METHODS AND SYSTEMS FOR MONITORING A VENTILATED PATIENT WITH AN OXIMETER	7/29/11	13/193758		
Pending	US	TRACHEAL TUBE CONNECTOR DEVICES AND METHODS	3/9/11	13/043775		
Pending	US	METHODS AND SYSTEMS FOR ADJUSTING TIDAL VOLUME DURING VENTILATION	8/31/11	13/223005		
Pending	WO	METHODS AND SYSTEMS FOR ADJUSTING TIDAL VOLUME DURING VENTILATION	8/30/12	PCTUS12/053172		
Published	US	VENTILATOR-INITIATED PROMPT REGARDING HIGH DELIVERED TIDAL VOLUME	3/2/11	13/039020		
Published	WO	VENTILATOR-INITIATED PROMPT REGARDING HIGH DELIVERED TIDAL VOLUME	3/2/12	PCTUS12/027408		
Published	US	SYSTEMS AND METHODS FOR MONITORING DEPTH OF CONSCIOUSNESS	2/2/12	13/364766		
Pending	US	PULSE RATE DETERMINATION USING GAUSSIAN KERNEL SMOOTHING OF MULTIPLE INTER-FIDUCIAL PULSE PERIODS	11/30/11	13/307453		
Pending	US	CLINICAL ACCEPTANCE TOOL	5/31/11	13/149731		
Pending	WO	CLINICAL ACCEPTANCE TOOL	5/31/12	PCTUS12/040087		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL PARAMETERS USING TWO PHOTOACOUSTIC PEAKS	10/28/11	13/284545		
Pending	US	DETERMINING ABSORPTION COEFFICIENTS IN A PHOTOACOUSTIC SYSTEM	8/15/12	13/585960		
Pending	US	ORAL CAVITY MOUNTED PHOTOACOUSTIC SENSING UNIT	1/12/12	13/348865		
Pending	US	SHAPED EVACUATION PORT FOR A MULTI-LUMEN TRACHEAL TUBE	12/13/11	13/324141		
Pending	US	MULTI-LUMEN TRACHEAL TUBE WITH PRESSURE DISTRIBUTION	10/17/11	13/274996		
Pending	US	TECHNIQUE FOR REMANUFACTURING A BIS SENSOR	9/26/11	13/245040		

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Pending	US	TECHNIQUE FOR REMANUFACTURING A MEDICAL SENSOR	9/7/11	13/226714		
Pending	US	METHODS AND SYSTEMS FOR POWER OPTIMIZATION IN A MEDICAL DEVICE	5/31/12	13/484711		
Pending	US	USE OF MULTIPLE BREATH TYPES	9/23/11	13/241799		
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC MONITORING USING INDICATOR DILUTION	12/5/11	13/310849		
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC MONITORING USING INDICATOR DILUTION	11/30/11	13/308093		
Pending	US	COMBINED LIGHT SOURCE PHOTOACOUSTIC SYSTEM	4/30/12	13/459933		
Pending	US	METHODS AND SYSTEMS FOR CONTINUOUS NON-INVASIVE BLOOD PRESSURE MEASUREMENT USING PHOTOACOUSTICS	10/28/11	13/284226		
Pending	US	WIRELESS, REUSABLE, RECHARGEABLE MEDICAL SENSORS AND SYSTEM FOR RECHARGING AND DISINFECTING THE SAME	5/2/12	13/462253		
Pending	US	TRACHEAL TUBE WITH CUSTOMIZABLE FLANGES	2/24/12	13/405008		
Pending	US	HEADBAND FOR USE WITH MEDICAL SENSOR	10/27/11	13/283217		
Pending	US	TRACHEAL TUBE WITH FACILITY TO VIEW INNER CANNULA	11/30/11	13/307330		
Pending	US	CUFF PRESSURE MEASUREMENT DEVICE FOR A TRACHEAL TUBE	5/1/12	13/461292		
Pending	US	METHODS AND SYSTEMS FOR GATING USER INITIATED INCREASES IN OXYGEN CONCENTRATION DURING VENTILATION	10/12/11	13/271680		
Granted	US	METHOD FOR DETERMINATION OF ANALYTES USING NIR, ADJACENT VISIBLE SPECTRUM AND DISCRETE NIR WAVELENGTHS	8/31/00	10/070187	5/25/04	6741876
Granted	JP	METHOD OF CALIBRATING A SPECTROSCOPIC DEVICE	8/31/00	2001-520085	12/3/10	4636762
Granted	US	METHOD OF CALIBRATING A SPECTROSCOPIC DEVICE	8/31/00	10/049699	7/19/05	6919566
Granted	US	DEVICE FOR VERIFYING THE ACCURACY OF A SPECTRAL ANALYZER	2/28/02	10/085983	12/2/03	6657717
Granted	US	DEVICE FOR VERIFYING THE ACCURACY OF A SPECTRAL ANALYZER	6/28/02	10/186274	9/2/03	6614521

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	COMPACT DEVICE FOR MEASURING , TISSUE ANALYTES	8/31/00	10/070191	8/9/05	6928311
Pending	US	METHODS AND SYSTEMS FOR MONITORING VOLUMETRIC CARBON DIOXIDE	6/30/11	13/174130		
Granted	US	METHOD AND APPARATUS FOR NON-DESTRUCTIVE SCREENING OF SPECIMEN INTEGRITY	6/9/97	08/871606	3/5/02	6353471
Granted	US	APPARATUS AND METHOD FOR RAPID SPECTROPHOTOMETRIC PRE-TEST SCREEN OF SPECIMEN FOR A BLOOD ANALYZER	11/21/96	09/068835	2/27/01	6195158
Granted	US	APPARATUS FOR MEASURING HEMATOCRIT	12/8/00	09/732211	2/18/03	6522398
Published	CA	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS WITH SYNTHETIC FLUIDS TO MEASURE PLASMA AND SERUM ANALYTES	4/7/05	2503849		
Granted	CA	SPECTROSCOPIC METHOD AND APPARATUS FOR TOTAL HEMOGLOBIN MEASUREMENT	5/28/04	2469099	8/9/11	2469099
Granted	DE	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS WITH SYNTHETIC FLUIDS TO MEASURE PLASMA AND SERUM ANALYTES	5/28/04	04253225.9	7/8/09	1586887
Granted	FR	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS WITH SYNTHETIC FLUIDS TO MEASURE PLASMA AND SERUM ANALYTES	5/28/04	04253225.9	7/8/09	1586887
Granted	GB	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS WITH SYNTHETIC FLUIDS TO MEASURE PLASMA AND SERUM ANALYTES	5/28/04	04253225.9	7/8/09	1586887
Granted	US	CALIBRATOR MATERIAL FOR INSTRUMENTS WHICH MEASURE INTERFERENTS IN SERUM AND PLASMA SPECIMENS	6/12/97	09/147373	4/16/02	6372503
Granted	US	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS WITH SYNTHETIC FLUIDS TO MEASURE PLASMA AND SERUM ANALYTES	11/23/99	09/447215	10/22/02	6470279
Granted	US	Method and apparatus for rapid measurement of hba	5/11/00	09/958933	6/24/03	6582964
Granted	US	INDICATOR OF HEMOLYSIS	5/3/02	10/137379	2/10/04	6689612
Granted	US	QUALITY CONTROL MATERIAL FOR REAGENTLESS MEASUREMENT OF ANALYTES	11/26/03	10/721253	2/6/07	7172902
Granted	US	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS	6/7/01	09/875143	3/23/04	6711516
Granted	US	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS	6/7/01	09/875227	8/26/03	6611777
Granted	US	QUALITY CONTROL MATERIAL FOR REAGENTLESS MEASUREMENT OF ANALYTES	12/21/01	10/023869	12/7/04	6828152
Granted	US	A METHOD FOR MONITORING DEGRADATION OF Hb-BASED BLOOD SUBSTITUTES	5/2/02	10/136329	9/27/05	6949384
Granted	US	METHOD FOR CALIBRATING SPECTROPHOTOMETRIC APPARATUS	9/30/02	10/259838	11/18/03	6651015
Granted	US	SAMPLE TAB	1/11/02	10/042258	1/11/05	6841132

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Granted	US	QUALITY CONTROL MATERIAL FOR REAGENTLESS MEASUREMENT OF ANALYTES	3/7/03	10/319492	1/2/07	7157282
Granted	US	SPECTROSCOPIC METHOD AND APPARATUS FOR TOTAL HEMOGLOBIN MEASUREMENT	5/14/04	10/845227	11/11/08	7449339
Granted	US	SAMPLE TAB	11/5/04	10/981765	9/19/06	7108833
Granted	US	METHOD AND APPARATUS FOR MEASURING ANALYTES IN BLOOD BAGS	1/28/02	10/056205	2/7/06	6995835
Granted	US	METHOD AND APPARATUS FOR MEASUREMENT OF BLOOD SUBSTITUTES	10/16/97	09/367859	4/3/07	7198955
Granted	US	METHOD AND APPARATUS FOR SCREENING PLASMA FOR INTERFERENTS IN PLASMA FROM DONOR BLOOD BAGS	3/3/98	09/367863	7/31/01	6268910
Pending	US	METHODS AND SYSTEMS FOR PHOTOACOUSTIC MONITORING USING INDICATOR DILUTION	11/30/11	13/308086		
Pending	US	TRACHEAL TUBE WITH INNER CANNULA INDICATION SYSTEM	7/11/12	13/546082		
Pending	US	SYSTEM AND METHOD FOR STORING AND PROVIDING PATIENT-RELATED DATA	2/27/12	13/406118		
Pending	US	MAGNETIC ENHANCEMENT IN DETERMINATION OF PHYSIOLOGICAL BLOOD PARAMETERS	11/8/11	13/291751		
Pending	US	TECHNIQUE FOR REMANUFACTURING A MEDICAL SENSOR	9/22/11	13/239681		
Pending	US	PIEZOELECTRIC BLOWER PILOTED VALVE	12/31/11	13/341956		
Pending	US	METHODS AND SYSTEMS FOR ADAPTIVE BASE FLOW	12/7/11	13/313128		
Pending	US	METHODS AND SYSTEMS FOR ADAPTIVE BASE FLOW AND LEAK COMPENSATION	12/31/11	13/341957		
Pending	US	METHODS AND SYSTEMS FOR COMPENSATION OF TUBING RELATED LOSS EFFECTS	3/3/12	13/435717		
Pending	US	SYSTEMS AND METHODS FOR IDENTIFYING PORTIONS OF A PHYSIOLOGICAL SIGNAL USABLE FOR DETERMINING PHYSIOLOGICAL INFORMATION	4/30/12	13/459855		
Granted	US	MEASUREMENT OF BILE PIGMENTS IN SERUM OF PLASMA	5/23/97	08/862391	8/17/99	5939327
Pending	US	BODY-MOUNTED PHOTOACOUSTIC SENSOR UNIT FOR SUBJECT MONITORING	1/13/12	13/349650		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	VOLUME OR STACKED HOLOGRAPHIC DIFFRACTION GRANTINGS FOR WAVELENGTH DIVISION MULTIPLEXING AND SPECTROSCOPY	11/14/00	10/130078	9/7/04	6788849
Granted	US	SIGNAL ENHANCEMENT OF SPECTROMETERS	10/22/01	10/021307	7/20/04	6765669
Granted	US	METHOD OF OPTIMIZING WAVELENGTH CALIBRATION	10/13/00	10/110539	3/2/04	6700661
Granted	US	METHOD FOR DETERMINATION OF ANALYTES USING NEAR INFRARED, ADJACENT VISIBLE SPECTRUM AND AN ARRAY OF LONGER NEAR INFRARED WAVELENGTHS	8/31/00	10/070189	5/24/04	6741875
Granted	US	METHOD FOR CREATING SPECTRAL INSTRUMENT VARIATION TOLERANCE IN CALIBRATION ALGORITHMS	8/28/01	09/939707	9/2/03	6615151
Granted	US	DEVICE FOR REFERENCE MEASUREMENT AND PHOTOMETRIC CORRECTION IN NON-INVASIVE GLUCOSE MEASUREMENT USING NEAR INFRARED SPECTROSCOPY	1/22/03	10/348342	7/12/05	6917422
Granted	US	ELECTROMAGNETIC RADIATION ATTENUATING AND SCATTERING MEMBER WITH IMPROVED THERMAL STABILITY	12/18/02	10/321510	6/28/05	6912049
Pending	US	FORCE REGULATING DEVICE APPLICATORS	7/11/12	13/546142		
Pending	US	DEVICE WITH ENCAPSULATED GEL	7/11/12	13/546126		
Pending	US	USING ESTIMATED CARINAL PRESSURE FOR FEEDBACK CONTROL OF CARINAL PRESSURE DURING VENTILATION	1/31/12	13/362085		
Pending	US	SYSTEMS AND METHODS FOR PROVIDING OSCILLATORY PRESSURE CONTROL VENTILATION	2/29/12	13/408375		
Pending	US	METHODS AND SYSTEMS FOR AN OPTIMIZED PROPORTIONAL ASSIST VENTILATION	4/27/12	13/457733		
Granted	US	RAMAN SPECTROSCOPIC SYSTEM WITH INTEGRATING CAVITY	12/21/01	10/032145	12/13/05	6975891
Granted	US	MEASUREMENT OF BODY COMPOUNDS	6/18/03	10/465490	3/11/08	7343185
Granted	US	APPARATUS AND METHODS FOR COMPENSATION OF BLOOD VOLUME EFFECTS ON NIR SPECTROSCOPIC MEASUREMENTS OF BLOOD ANALYTES	12/22/03	10/745234	11/3/09	7613488
Pending	US	TISSUE INTERFACE SYSTEMS FOR OPTICAL MEASUREMENT OF PHYSIOLOGICAL BLOOD PARAMETERS	12/15/11	13/327246		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	US	APPARTAUS AND METHOD FOR MEASUREMENT OF PHYSIOLOGICAL PARAMETERS IN TISSUE OF A PATIENT	5/22/12	13/477388		
Granted	US	NEAR INFRARED RISK ASSESSMENT OF DISEASES	9/17/04	10/943737	2/5/08	7328052
Granted	US	SPECTROPHOTOMETRIC ANALYSIS OF PLASMA IN A CLOSED-CONTAINER	2/24/05	10/590431	12/29/09	7638342
Published	CA	METHOD AND APPARATUS FOR DETERMINING BLOOD ANALYTES	3/3/06	2597859		
Published	EP	METHOD AND APPARATUS FOR DETERMINING BLOOD ANALYTES	3/3/06	06705255.5		
Published	US	METHOD AND APPARATUS FOR DETERMINING BLOOD ANALYTES	3/3/06	11/885537		
Granted	US	HANDHELD DIAGNOSTIC INSTRUMENT	2/15/05	29/223506	12/5/06	D533095
Granted	US	HANDHELD DIAGNOSTIC INSTRUMENT	3/4/05	29/224723	1/2/07	D534445
Published	EP	METHOD AND APPARATUS FOR MEASURING ANALYTES	8/9/06	06775090.1		
Published	US	METHOD AND APPARATUS FOR MEASURING ANALYTES	8/8/06	11/463232		
Published	US	METHOD AND APPARATUS FOR MEASURING ANALYTES	8/9/06	12/066065		
Published	US	METHOD AND APPARATUS FOR MEASURING ANALYTES	8/24/06	12/066072		
Granted	US	MODIFIED METHOD AND APPARATUS FOR MEASURING ANALYTES	11/21/06	11/562306	4/26/11	7933005
Granted	CA	DIAGNOSTIC INSTRUMENT	1/5/07	118984	2/21/08	118984
Granted	US	DIAGNOSTIC INSTRUMENT	1/3/07	29/275673	3/18/08	D564378
Granted	US	DIAGNOSTIC INSTRUMENT	1/5/07	29/275785	3/25/08	D564924
Granted	CA	HANDHELD DIAGNOSTIC INSTRUMENT	2/7/07	119509	1/29/08	119509
Granted	EM	HANDHELD DIAGNOSTIC INSTRUMENT	8/7/07	000770698	8/7/07	000770698
Granted	US	HANDHELD DIAGNOSTIC INSTRUMENT	2/7/07	29/276853	1/29/08	D560529
Granted	CA	DIAGNOSTIC INSTRUMENT	1/19/07	119234	3/17/08	119234
Granted	US	DIAGNOSTIC INSTRUMENT	1/19/07	29/276248	3/18/08	D564379
Published	US	JOINT-DIAGNOSTIC IN VIVO & IN VITRO APPARATUS	3/4/05	11/071247		
Granted	CA	DIAGNOSTIC INSTRUMENT	1/10/08	124251	9/26/08	124251
Granted	US	DIAGNOSTIC INSTRUMENT	1/10/08	29/302138	6/8/10	D617461

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	US	SYSTEMS AND METHODS FOR DETECTING ARRHYTHMIA FROM A PHYSIOLOGICAL SIGNAL	11/30/11	13/307927		
Pending	US	SYSTEMS AND METHODS FOR DETERMINING RESPIRATION INFORMATION USING HISTORICAL DISTRIBUTION	11/30/11	13/307531		
Pending	US	METHODS AND SYSTEMS FOR MIMICKING FLUCTUATIONS IN DELIVERED FLOW AND/OR PRESURE DURING VENTILATION	7/2/12	13/539716		
Pending	US	TISSUE INTERFACE ELEMENTS FOR APPLICATION OF OPTICAL SIGNALS INTO TISSUE OF A PATIENT	3/22/12	13/427455		
Pending	US	MINIMIZING IMPOSED EXPIRATORY RESISTANCE OF MECHANICAL VENTILATOR BY OPTIMIZING EXHALATION VALVE CONTROL	4/30/12	13/459800		
Published	US	METHOD AND APPARATUS FOR LYMPH NODE MAPPING	5/3/06	11/381443		
Granted	US	PHOTON MEASUREMENT METHOD AND APPARATUS	5/3/06	11/381450	9/18/12	8269964
Published	US	METHOD AND APPARATUS FOR CEREBRAL OXIMETRY	9/3/10	12/875925		
Published	US	METHOD AND APPARATUS FOR TOTAL HEMOGLOBIN MEASUREMENT	9/3/10	12/875983		
Pending	US	PHOTON MEASUREMENT METHOD AND APPARATUS	8/29/12	13/598324		
Pending	US	METHODS AND SYSTEMS FOR TRIGGERING WITH UNKNOWN BASE FLOW	3/30/12	13/435968		
Pending	US	VENTILATOR-INITIATED PROMPT OR SETTING REGARDING DETECTION OF ASYNCHRONY DURING VENTILATION	7/31/12	13/562991		
Pending	US	PHYSIOLOGICAL MONITOR HAVING A REMOVABLE MODULE	6/29/12	29/426067		
Pending	US	TISSUE INTERFACE SYSTEMS FOR APPLICATION OF OPTICAL SIGNALS INTO TISSUE OF A PATIENT	3/20/12	13/424814		
Pending	US	OPTICAL INSTRUMENT WITH AMBIENT LIGHT REMOVAL	5/31/12	13/484808		
Pending	US	DISPLAYING PARAMETER VALUES WITH HISTORICAL RANGES	11/2/11	61/554613		
Pending	US	METHOD AND APPARATUS FOR HEMOMETRY	7/16/12	13/550276		
Pending	US	SYSTEMS AND METHODS FOR MISSED BREATH DETECTION AND INDICATION	7/9/12	13/544462		
Pending	US	COMPRESSIBLE CONNECTOR FOR AN INNER CANNULA	8/2/12	13/565273		

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Pending	US	SYSTEMS AND METHODS FOR DETERMINING FLUID RESPONSIVENESS	9/12/12	13/611153		
Pending	US	DATA COLLECTION SYSTEM AND METHOD USING PARAMETRIC-BASED SAMPLING RATES	3/30/12	13/435398		
Pending	US	OPTICAL INTERFACE SYSTEMS FOR APPLICATION OF OPTICAL SIGNALS INTO TISSUE OF A PATIENT	4/17/12	13/448544		
Pending	US	SYSTEMS AND METHODS FOR ANALYZING CHANGES IN CARDIAC OUTPUT	8/30/12	13/598839		
Pending	US	SYSTEM AND METHOD FOR DETECTING FLUID RESPONSIVENESS OF A PATIENT	8/22/12	13/591455		
Pending	US	FLUID RESPONSIVENESS FROM AN ARTERIAL PRESSURE OR PHOTOPLETH WAVEFORM BY LOCKING TO A CAPNOGRAM WAVEFORM	9/12/12	13/611269		
Pending	US	SYSTEM AND METHOD FOR DETERMINING STROKE VOLUME OF AN INDIVIDUAL	9/6/12	13/605626		
Pending	US	SENSOR SYSTEM	9/14/12	13/618227		
Pending	US	SYSTEM AND METHOD FOR DETERMINING STABILITY OF CARDIAC OUTPUT	9/14/12	13/619531		
Pending	US	PHOTOACOUSTIC (PA) SENSOR	9/12/12	13/612160		
Pending	US	SYSTEM AND METHOD FOR DETERMINING A RESTING HEART RATE OF AN INDIVIDUAL	8/30/12	13/598953		
Pending	US	SYSTEM AND METHOD FOR DETERMINING STROKE VOLUME OF A PATIENT	9/11/12	13/609566		
Pending	US	METHOD AND SYSTEM FOR AUTOMATED SPONTANEOUS BREATHING TRIAL	9/6/12	13/604901		
Pending	US	DYNAMIC CONFIGURABLE CLINICAL ANALYSIS	8/27/12	13/595804		
Pending	US	METHOD AND SYSTEM FOR EVALUATION OF PATIENT BREATHING STAGES	9/6/12	13/604905		
Pending	US	WIRELESS, REUSABLE, RECHARGEABLE MEDICAL SENSORS AND SYSTEM FOR RECHARGING AND DISINFECTING THE SAME	5/2/12	13/462291		

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Pending	US	METHODS AND SYSTEMS FOR POWER OPTIMIZATION IN A MEDICAL DEVICE	5/31/12	13/484736		
Pending	US	SYSTEM AND METHOD FOR DETERMINING CARDIAC OUTPUT	8/29/12	13/597501		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR AUTOMATING COMPLEX ALERTS	6/29/12	13/537633		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR AUTOMATING PHYSIOLOGIC DISPLAYS AND ALERTS WITH TRENDING HEURISTICS	9/21/12	13/624665		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR COMMUNICATING WITH MEDICAL DEVICES	8/7/12	13/568445		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR CONFIGURING COMMUNICATION WITH MEDICAL DEVICES	8/28/12	13/596721		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR PATIENT MONITORING	7/26/12	13/559204		
Pending	US	TRACHEAL CANNULA	8/2/12	29/428717		
Pending	US	TRACHEOSTOMY TUBE	8/2/12	29/428719		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR CONTROLLING ALERT NOTIFICATIONS	9/21/12	13/624603		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR AUTOMATING PHYSIOLOGIC DISPLAYS AND ALERTS WITH PRECEDENCE ORDER	9/21/12	13/624561		
Pending	US	TIME ALIGNMENT DISPLAY TECHNIQUE FOR A MEDICAL DEVICE	7/17/12	61/672582		
Pending	US	SYSTEM, METHOD, AND SOFTWARE FOR AUTOMATING PHYSIOLOGIC ALERTS AND DERIVE CALCULATIONS WITH MANUAL VALUES	9/21/12	13/624637		
Pending	US	PILOT BALLOON ASSEMBLY	7/31/12	29/428461		
Pending	US	TRACHEOSTOMY TUBE	7/31/12	29/428460		
Pending	US	TRACHEOSTOMY TUBE	7/31/12	29/428481		

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Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON AN ALGORITHM SETTING	9/11/12	13/695708		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON THRESHOLD CROSSINGS OF AN AUTOCORRELATION SEQUENCE	9/11/12	13/609431		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON THE SHAPE OF AUTOCORRELATION PEAKS	9/11/12	13/609445		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING MODULATED SIGNALS	9/11/12	13/609451		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A CROSS-CORRELATION WAVEFORM	9/11/12	13/609465		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A CROSS-CORRELATION WAVEFORM	9/11/12	13/609485		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A PEAK OF A CROSS-CORRELATION	9/11/12	13/609518		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A COMBINED AUTOCORRELATION SEQUENCE	9/11/12	13/609533		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON SYMMETRY ASSOCIATED WITH A CROSS-CORRELATION SEQUENCE	9/11/12	13/609548		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON SEGMENTS FROM A CROSS-CORRELATION SEQUENCE	9/11/12	13/609569		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON SEGMENTS OF A PHYSIOLOGICAL SIGNAL	9/11/12	13/609937		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON METRICS	9/11/12	13/609629		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON TWO SEGMENTS	9/11/12	13/610004		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON POSITIVE AND NEGATIVE VALUES	9/11/12	13/609656		

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Pending	US	METHODS AND SYSTEMS FOR QUALIFYING PHYSIOLOGICAL VALUES BASED ON CROSS-CORRELATIONS	9/11/12	13/609680		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON FAILURE INFORMATION	9/11/12	13/609696		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON FAILURE INFORMATION	9/11/12	13/609706		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING ALGORITHM SETTINGS FOR USE IN DETERMINING PHYSIOLOGICAL INFORMATION	9/11/12	13/609713		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING AUTOCORRELATION AND AN ENVELOPE TECHNIQUE	9/11/12	13/609724		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING AUTOCORRELATION BASED ON A MODIFIED SIGNAL	9/11/12	13/609736		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING AN AUTOCORRELATION SEQUENCE AND A VARIABLE THRESHOLD	9/11/12	13/609423		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING REFERENCE WAVEFORMS	9/11/12	13/609447		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A CLASSIFICATION OF A PHYSIOLOGICAL SIGNAL	9/11/12	13/609457		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON LOW AND HIGH FREQUENCY COMPONENTS	9/11/12	13/609807		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON FAST START PARAMETERS	9/11/12	13/609478		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING INITIALIZATION VALUES	9/11/12	13/609502		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION USING STATUS INDICATORS	9/11/12	13/609517		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING AN ALGORITHM SETTING BASED ON A DIFFERENCE SIGNAL	9/11/12	13/609523		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Pending	US	METHODS AND SYSTEMS FOR DETERMINING AN ALGORITHM SETTING BASED ON A DIFFERENCE SIGNAL	9/11/12	13/609534		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING AN ALGORITHM SETTING BASED ON A DIFFERENCE SIGNAL	9/11/12	13/609581		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING AN ALGORITHM SETTING BASED ON A SKEW METRIC	9/11/12	13/609592		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING ALGORITHM SETTINGS BASED ON CLASSIFICATION INFORMATION	9/11/12	13/609598		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING NOISE INFORMATION FROM A PHYSIOLOGICAL SIGNAL	9/11/12	13/609605		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING NOISE INFORMATION FROM A PHYSIOLOGICAL SIGNAL	9/11/12	13/609612		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING NOISE INFORMATION FROM A PHYSIOLOGICAL SIGNAL	9/11/12	13/609341		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING SIGNAL-TO-NOISE INFORMATION FROM A PHYSIOLOGICAL SIGNAL	9/11/12	13/609348		
Pending	US	METHODS AND SYSTEMS FOR CONDITIONING PHYSIOLOGICAL INFORMATION BASED ON CALCULATED DIFFERENCES	9/11/12	13/609400		
Pending	US	METHODS AND SYSTEMS FOR CONDITIONING PHYSIOLOGICAL INFORMATION BASED ON A STABILITY FUNCTION	9/11/12	13/609419		
Pending	US	METHODS AND SYSTEMS FOR CONDITIONING PHYSIOLOGICAL INFORMATION BASED ON A SORTED DIFFERENCE SIGNAL	9/11/12	13/609411		
Pending	US	METHODS AND SYSTEMS FOR CONDITIONING PHYSIOLOGICAL INFORMATION USING A NORMALIZATION TECHNIQUE	9/11/12	13/609414		
Pending	US	METHODS AND SYSTEMS FOR CONDITIONING PHYSIOLOGICAL INFORMATION USING A NORMALIZATION TECHNIQUE	9/11/12	13/609421		
Pending	US	METHODS AND SYSTEMS FOR SELECTIVELY FILTERING A PHYSIOLOGICAL SIGNAL	9/11/12	13/609425		

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Pending	US	METHODS AND SYSTEMS FOR CONDITIONING A PHYSIOLOGICAL SIGNAL USING AN ADJUSTABLE BANDPASS FILTER	9/11/12	13/609433		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A CORRELATION SEQUENCE	9/11/12	13/609448		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON A CORRELATION MATRIX	9/11/12	13/609452		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING PHYSIOLOGICAL INFORMATION BASED ON STATISTICAL REGRESSION ANALYSIS	9/11/12	13/609455		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING CALCULATED VALUES BASED ON STATE TRANSITIONS	9/11/12	13/609462		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING A CORRELATION LAG VALUE BASED ON SKEWNESS	9/11/12	13/609468		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING CALCULATED VALUES BASED ON A SUM OF DIFFERENCES	9/11/12	13/609475		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING CALCULATED VALUES BASED ON A STATISTICAL METRIC	9/11/12	13/609480		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING CALCULATED VALUES BASED ON MULTIPLE DIFFERENCE SIGNALS	9/11/12	13/609490		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING A CORRELATION LAG VALUE BASED ON A CORRELATION VALUE AT A DIFFERENT LAG	9/11/12	13/609493		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING A CALCULATED VALUE BASED ON BASELINE AND DEVIATION INFORMATION	9/11/12	13/609500		
Pending	US	METHODS AND SYSTEMS FOR QUALIFYING A CALCULATED VALUE BASED ON DIFFERENTLY SIZED SORTED DIFFERENCE SIGNALS	9/11/12	13/609513		
Pending	US	METHODS AND SYSTEMS FOR ADJUSTING A CRITERION FOR QUALIFYING A CALCULATED VALUE	9/11/12	13/609515		
Pending	US	METHODS AND SYSTEMS FOR DETERMINING WHEN TO OUTPUT PREVIOUSLY CALCULATED VALUES	9/11/12	13/609521		
Granted	US	MOISTURE RESISTANT AIRWAY ADAPTER FOR MONITORING CONSTITUENT GASES	5/28/97	08/863637	4/4/00	6044843

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Granted	US	ISOLATED LAYER PULSE OXIMETRY	3/14/95	08/403642	6/11/96	5524617
Granted	US	ISOLATED LAYER PULSE OXIMETRY	6/10/96	08/662439	5/5/98	5746206
Granted	US	ADHESIVE PULSE OXIMETER WITH REUSABLE PORTION	5/10/95	08/437964	12/22/98	Re36000
Granted	US	NON-CONTACT OPTICAL MONITORING OF PHYSIOLOGICAL PARAMETERS	11/22/95	08/562169	11/30/99	5995856
Granted	US	NOISE REDUCTION APPARATUS FOR LOW LEVEL ANALOG SIGNALS	11/21/95	08/590269	3/10/98	5724967
Granted	US	FACIAL MASK FOR RESPIRATORY APPARATUS	12/7/94	08/350647	3/30/99	5887587
Granted	JP	METHOD AND APPARATUS FOR FACILITATING COMPATIBILITY BETWEEN PULSE OXIMETERS AND SENSOR PROBES	12/18/96	9-522937		3924009
Granted	US	METHOD AND APPARATUS FOR FACILITATING COMPATIBILITY BETWEEN PULSE OXIMETERS AND SENSOR PROBES	12/20/95	08/575256	9/15/98	5807247
Granted	EP	MEDICAL DIAGNOSTIC APPARATUS WITH SLEEP MODE	2/5/97	97904122.5	10/13/99	0879014
Granted	US	MEDICAL DIAGNOSTIC APPARATUS WITH SLEEP MODE	2/9/96	08/599255	5/5/98	5746697
Granted	US	MEDICAL DIAGNOSTIC APPARATUS WITH SLEEP MODE	8/28/97	08/919540	7/20/99	5924979
Granted	US	PRESSURE-ATTACHED PRESENTING PART FETAL PULSE OXIMETRY SENSOR	8/13/96	08/701351	7/7/98	5776058
Granted	US	OPTICAL OXIMETER PROBE ADAPTER	12/20/95	08/575336	10/6/98	5818985
Granted	US	ACTIVE OPTICAL OXIMETER PROBE ADAPTER	3/17/98	09/040218	2/8/00	6023541
Granted	US	REUSABLE SENSOR ACCESSORY CONTAINING A CONFORMABLE SPRING ACTIVATED RUBBER SLEEVED CLIP	12/1/95	08/566306	9/22/98	5810724
Granted	US	FETAL PULSE OXIMETRY SENSOR WITH REMOTE SECURING MECHANISM	8/13/96	08/696131	9/29/98	5813980
Granted	US	PULSE OXIMETER SENSOR WITH ARTICULATING HEAD	10/10/96	08/728658	12/22/98	5851179
Granted	US	PRESENTING PART FETAL OXIMETER SENSOR WITH SECURING MECHANISM FOR PROVIDING TENSION TO SCALP ATTACHMENT	9/4/96	08/706482	3/17/98	5727547
Granted	US	OXIMETER SENSOR WITH RIGID INNER HOUSING AND PLIABLE OVERMOLD	11/13/95	08/556619	11/24/98	5839439

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Granted	US	MEDICAL SENSOR CONNECTOR WITH REMOVABLE ENCODING DEVICE	11/14/95	08/555719	8/26/97	5660567
GRANTEDLIC3	US	INSPIRATORY AIRWAY PRESSURE SYSTEM USING CONSTANT PRESSURE AND MEASURING FLOW SIGNALS TO DETERMINE AIRWAY PATENCY	7/12/93	08/095652	8/27/96	5549106
GRANTEDLIC3	CA	FLOW MEASURING APPARATUS	3/1/94	2157184	9/21/04	2157184
GRANTEDLIC3	DE	FLOW MEASURING APPARATUS	3/1/94	94910798.1	3/8/07	69434859.7
GRANTEDLIC3	FR	FLOW MEASURING APPARATUS	3/1/94	94910798.1	10/4/06	0687161
GRANTEDLIC3	GB	FLOW MEASURING APPARATUS	3/1/94	94910798.1	10/4/06	0687161
GRANTEDLIC3	US	FLOW MEASURING APPARATUS	3/1/93	08/025045	8/22/95	5443075
GRANTEDLIC3	AU	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/8/93	57441/94	10/16/97	679201
GRANTEDLIC3	CA	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/8/93	2151120	8/22/06	2151120
GRANTEDLIC3	DE	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/8/93	94903533.1	5/2/02	DE69331880.5
GRANTEDLIC3	FR	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/8/93	94903533.1	5/2/02	0699084
GRANTEDLIC3	GB	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/8/93	94903533.1	5/2/02	0699084
GRANTEDLIC3	US	COMPLIANCE METER FOR RESPIRATORY THERAPY	3/12/96	08/615498	2/10/98	5715812
GRANTEDLIC3	US	COMPLIANCE METER FOR RESPIRATORY THERAPY	12/9/92	07/987643	5/21/96	5517983
GRANTEDLIC3	CA	INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	1/5/94	2112884	1/12/99	2122884
GRANTEDLIC3	DE	INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	12/27/93	93250364.2	10/29/03	69333268.9
GRANTEDLIC3	FR	INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	12/27/93	93250364.2	10/29/03	0606687
GRANTEDLIC3	GB	INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	12/27/93	93250364.2	10/29/03	0606687
GRANTEDLIC3	US	INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	1/12/93	08/003129	8/8/95	5438980
GRANTEDLIC3	US	VALVE FOR USE WITH INHALATION/EXHALATION RESPIRATORY PHASE DETECTION CIRCUIT	9/18/95	08/529670	5/20/97	5630411
GRANTEDLIC3	US	PRESSURE CONTROL FOR CONSTANT MINUTE VOLUME	3/19/97	08/821708	3/28/00	6041780
Granted	DE	LUNG VENTILATOR SAFETY CIRCUIT	9/4/95	95306169.4	11/6/03	69529127
Granted	FR	LUNG VENTILATOR SAFETY CIRCUIT	9/4/95	95306169.4	12/11/02	0700688
Granted	GB	LUNG VENTILATOR SAFETY CIRCUIT	9/4/95	95306169.4	12/11/02	0700688
Granted	US	LUNG VENTILATOR SAFETY CIRCUIT	12/6/96	08/761392	6/8/99	5909731
Granted	US	LUNG VENTILATOR SAFETY CIRCUIT	9/12/94	08/304047	1/28/97	5596984
Granted	DE	METHOD AND APPARATUS FOR CONTROL OF LUNG VENTILATOR EXHALATION CIRCUIT	9/5/95	95306192.6	11/7/02	69526549.0

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	FR	METHOD AND APPARATUS FOR CONTROL OF LUNG VENTILATOR EXHALATION CIRCUIT	9/5/95	95306192.6	5/2/02	0700690
Granted	GB	METHOD AND APPARATUS FOR CONTROL OF LUNG VENTILATOR EXHALATION CIRCUIT	9/5/95	95306192.6	5/2/02	0700690
Granted	US	METHOD AND APPARATUS FOR CONTROL OF LUNG VENTILATOR EXHALATION CIRCUIT	9/12/94	08/304048	5/27/97	5632270
Granted	DE	PISTON BASED VENTILATOR	2/1/96	96905330.5	12/5/02	69622017.2
Granted	FR	PISTON BASED VENTILATOR	2/1/96	96905330.5	6/26/02	0805697
Granted	GB	PISTON BASED VENTILATOR	2/1/96	96905330.5	6/26/02	0805697
Granted	US	PISTON BASED VENTILATOR	8/27/96	08/705083	10/7/97	5673689
Granted	US	PISTON BASED VENTILATOR	8/21/97	08/915846	6/29/99	5915382
Granted	DE	DOUBLE AND SINGLE ACTING PISTON VENTILATORS	9/5/95	95306193.4	5/16/02	69524317.9
Granted	FR	DOUBLE AND SINGLE ACTING PISTON VENTILATORS	9/5/95	95306193.4	12/5/01	0700689
Granted	GB	DOUBLE AND SINGLE ACTING PISTON VENTILATORS	9/5/95	95306193.4	12/5/01	0700689
Granted	US	DOUBLE AND SINGLE ACTING PISTON VENTILATORS	9/12/94	08/304046	7/2/96	5531221
Granted	DE	GAS MIXING APPARATUS FOR A VENTILATOR	2/6/96	96904224.1	11/21/02	69621320.6
Granted	FR	GAS MIXING APPARATUS FOR A VENTILATOR	2/6/96	96904224.1	5/22/02	0792177
Granted	GB	GAS MIXING APPARATUS FOR A VENTILATOR	2/6/96	96904224.1	5/22/02	0792177
Granted	US	GAS MIXING APPARATUS FOR A VENTILATOR	7/31/96	08/688868	9/9/97	5664560
Granted	US	GAS MIXING APPARATUS FOR A VENTILATOR	6/18/97	08/878336	8/10/99	5934274
Granted	US	GAS MIXING APPARATUS FOR A VENTILATOR	3/26/99	09/277528	9/12/00	6116240
Granted	US	GAS MIXING APPARATUS FOR A VENTILATOR	2/2/00	09/598287	10/22/02	6467478
Granted	DE	VENTILATOR AIRWAY FLUID COLLECTION SYSTEM	9/1/95	95306112.4	5/29/02	69524179.6
Granted	FR	VENTILATOR AIRWAY FLUID COLLECTION SYSTEM	9/1/95	95306112.4	11/28/01	0705616
Granted	GB	VENTILATOR AIRWAY FLUID COLLECTION SYSTEM	9/1/95	95306112.4	11/28/01	0705616
Granted	IE	VENTILATOR AIRWAY FLUID COLLECTION SYSTEM	9/1/95	95306112.4	11/28/01	0705616
Granted	US	VENTILATOR AIRWAY FLUID COLLECTION SYSTEM	9/8/94	08/303054	6/11/96	5524615
Granted	CA	SYSTEM AND METHOD FOR CONTROLLING A PERIODICALLY ACTUATED VENTILATION FLOW SYSTEM	2/11/93	2089343	6/14/05	2089343
Granted	DE	VENTILATOR CONTROL SYSTEM THAT GENERATES, MEASURES, COMPARES, AND CORRECTS FLOW RATES	2/5/93	P69333719.2	5/19/05	69333719
Granted	FR	VENTILATOR CONTROL SYSTEM THAT GENERATES, MEASURES, COMPARES, AND CORRECTS FLOW RATES	2/5/93	93300880.7	12/8/04	0560490
Granted	GB	VENTILATOR CONTROL SYSTEM THAT GENERATES, MEASURES, COMPARES, AND CORRECTS FLOW RATES	2/5/93	93300880.7	12/8/04	0560490
Granted	IE	System for controlling a periodically actuated ventilation flow system	2/5/93	93300880.7	12/8/04	0560490
Granted	IT	VENTILATOR CONTROL SYSTEM THAT GENERATES, MEASURES, COMPARES, AND CORRECTS FLOW RATES	2/5/93	93300880.7	12/8/04	0560490

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Granted	US	SYSTEM AND METHOD FOR OPERATING A RESPIRATOR COMPRESSOR SYSTEM UNDER LOW VOLTAGE CONDITIONS	12/16/92	07/991442	11/29/94	5368019
Granted	CA	SYSTEM AND METHOD FOR CLOSED LOOP AIRWAY PRESSURE CONTROL DURING THE INSPIRATORY CYCLE OF A BREATH IN A PATIENT VENTILATOR	3/14/94	2118958	6/7/05	2118958
Granted	DE	SYSTEM AND METHOD FOR CLOSED LOOP INSPIRATORY PRESSURE CONTROL IN A VENTILATOR	3/16/94	94301859.8	9/16/99	69418514.0
Granted	FR	SYSTEM AND METHOD FOR CLOSED LOOP INSPIRATORY PRESSURE CONTROL IN A VENTILATOR	3/16/94	94301859.8	5/19/99	0615674
Granted	GB	SYSTEM AND METHOD FOR CLOSED LOOP INSPIRATORY PRESSURE CONTROL IN A VENTILATOR	3/16/94	94301859.8	5/19/99	0615674
Granted	JP	SYSTEM AND METHOD FOR CLOSED LOOP AIRWAY PRESSURE CONTROL DURING THE INSPIRATORY CYCLE OF A BREATH IN A PATIENT VENTILATOR	3/16/94	6-46064	1/6/95	7000516
Granted	US	SYSTEM AND METHOD FOR CLOSED LOOP AIRWAY PRESSURE CONTROL DURING THE INSPIRATORY CYCLE OF A BREATH IN A PATIENT VENTILATOR USING THE EXHALATION VALVE AS A MICROCOMPUTER-CONTROLLED RELIEF VALVE	1/10/97	08/782563	9/29/98	5813399
Granted	US	OLEFIN HEAT AND MOISTURE EXCHANGER	12/1/95	08/566086	12/30/97	5701891
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	3/5/96	08/611151	8/25/98	5797841
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	5/27/98	09/085698	1/9/01	6173196
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	12/28/00	09/750670	8/6/02	6430423
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	7/12/02	10/194156	7/13/04	6763255
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	6/16/04	10/870288	3/13/07	7190984
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/25/06	11/526546	6/17/08	7389130
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/28/06	11/529019	8/26/08	7418284
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/25/06	11/526424	6/10/08	7386334
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/25/06	11/526378	5/13/08	7373188
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/25/06	11/526415	5/13/08	7373189
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/28/06	11/529020	5/6/08	7369886
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/29/06	11/540869	1/22/08	7321790
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/28/06	11/529082	5/13/08	7373190
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/29/06	11/540868	5/13/08	7373191
Granted	US	SHUNT BARRIER IN PULSE OXIMETER SENSOR	9/29/06	11/540908	7/14/09	7561905
Granted	CA	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/27/97	2253915	12/18/01	2253915
Granted	DE	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/27/97	97927800.9	8/11/05	69730055
Granted	FR	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/27/97	97927800.9	7/28/04	1016338

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Granted	GB	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/27/97	97927800.9	7/28/04	1016338
Granted	JP	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/27/97	9-542901	5/17/02	3307953
Granted	US	CONTINUOUS MESH EMI SHIELD FOR PULSE OXIMETRY SENSOR	5/28/96	08/654449	5/19/98	5752914
Granted	DE	INFANT/NENONATAL PULSE OXIMETER SENSOR	7/21/97	97935031.1	5/6/04	69729003.4
Granted	FR	INFANT NENONATAL PULSE OXIMETER SENSOR	7/21/97	97935031.1	5/6/04	0959757
Granted	GB	INFANT NENONATAL PULSE OXIMETER SENSOR	7/21/97	97935031.1	5/6/04	0959757
Granted	JP	INFANT/NENONATAL PULSE OXIMETER SENSOR	7/21/97	10-507936	4/6/07	3940437
Granted	US	INFANT/NEONATAL PULSE OXIMETER SENSOR	8/7/96	08/695243	12/1/98	5842982
Granted	US	GEL PAD OPTICAL SENSOR	10/31/96	08/741956	11/3/98	5830136
Granted	US	PULSE OXIMETER SENSOR WITH DIFFERENTIAL SLIP COEFFICIENT	8/14/96	08/696129	10/20/98	5823952
Granted	US	RESUSCITATOR BAG EXHAUST PORT WITH CO2 INDICATOR	10/10/96	08/729618	5/12/98	5749358
Granted	US	RESUSCITATOR BAG EXHAUST PORT WITH CO2 INDICATOR	4/3/98	09/055093	5/9/00	6058933
Granted	US	FLEXIBLE SENSOR WITH BULGE ENHANCING CONTACT	12/1/98	09/203648	8/29/00	6112107
Granted	US	SYSTEM AND METHOD FOR GRAPHICAL CREATION OF A MEDICAL LOGICAL MODULE IN THE ARDEN SYNTAX FILE FORMAT	4/18/00	09/551806	4/20/04	6725447
Granted	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	10/10/96	08/722443	1/25/00	6018673
Granted	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	7/7/99	09/348437	4/16/02	6374129
Granted	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	2/21/02	10/080433	1/18/05	6845256
Granted	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	11/16/04	10/991111	8/21/07	7260425
Granted	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	11/16/04	10/990686	5/18/10	7720516
Published	US	MOTION COMPATIBLE SENSOR FOR NON-INVASIVE OPTICAL BLOOD ANALYSIS	6/24/10	12/822898		
Granted	US	METHOD AND APPARATUS FOR IN VIVO BLOOD CONSTITUENT ANALYSIS	9/19/96	08/715848	7/21/98	5782756
Granted	US	FETAL SENSOR WHICH SELF-INFLATES USING CAPILLARY FORCE	4/2/97	08/832013	2/27/01	6195575

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Granted	US	FETAL SENSOR WITH SECURING BALLOONS REMOTE FROM OPTICS	9/17/97	08/931922	6/29/99	5916155
Granted	US	CPAP NOSE MASK	1/23/97	08/786886	5/5/98	5746201
Granted	US	HUMAN LUNG VENTILATOR SYSTEM	5/26/93	08/067141	9/26/95	5452714
Granted	US	TRIGGERING OF PATIENT VENTILATOR RESPONSIVE TO A PRECURSOR SIGNAL	7/21/95	08/505558	5/7/96	5513631
Granted	US	GAS MIXING APPARATUS FOR RESPIRATOR	7/14/95	08/502629	8/13/96	5544674
Granted	US	GAS MIXING APPARATUS FOR RESPIRATOR	6/26/96	08/670286	9/30/97	5671767
Granted	US	APPARATUS AND PROCESS FOR CONTROLLING THE VENTILATION OF THE LUNGS OF A PATIENT	5/7/91	07/696582	8/6/96	5542415
Granted	US	SEMI-DISPOSABLE VENTILATOR BREATHING CIRCUIT TUBING WITH RELEASABLE COUPLING	8/5/96	08/692378	8/18/98	5794986
Granted	US	ASSEMBLY OF SEMI-DISPOSABLE VENTILATOR BREATHING CIRCUIT TUBING WITH RELEASABLE COUPLING	4/3/97	08/832898	2/2/99	5864938
Granted	US	OXIMETRY SENSOR WITH OFFSET EMITTERS AND DETECTORS	7/30/97	08/903120	9/5/00	6115621
Granted	US	PULSE OXIMETER WITH SIGMA-DELTA CONVERTER	12/18/96	08/769148	7/13/99	5921921
Granted	US	LAMP MODULATION CIRCUIT HAVING A FEEDBACK FOR MEASURING LAMP TEMPERATURE	4/2/97	08/831201	1/12/99	5859503
Granted	US	SPRING PILOTED SAFETY VALVE WITH JET VENTURI BIAS	3/13/97	08/818104	8/11/98	5791339
Granted	US	SPRING PILOTED SAFETY VALVE WITH JET VENTURI BIAS	7/14/98	09/115380	3/23/99	5884623
Granted	US	SPRING PILOTED SAFETY VALVE WITH JET VENTURI BIAS	3/5/99	09/262973	12/19/00	6161539
Granted	US	SYSTEM AND METHOD FOR TRANSIENT RESPONSE AND ACCURACY ENHANCEMENT FOR SENSORS WITH KNOWN TRANSFER CHARACTERISTICS	3/14/97	08/818174	2/2/99	5865168
Granted	US	SYSTEM AND METHOD FOR TRANSIENT RESPONSE AND ACCURACY ENHANCEMENT FOR SENSORS WITH KNOWN TRANSFER CHARACTERISTICS	1/15/99	09/231145	4/29/03	6553991
Granted	US	SYSTEM AND METHOD FOR TRANSIENT RESPONSE AND ACCURACY ENHANCEMENT FOR SENSORS WITH KNOWN TRANSFER CHARACTERISTICS	3/27/03	10/400958	5/25/04	6739337
Granted	CA	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	2/24/98	2281835	7/7/09	2281835

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Granted	DE	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	2/24/98	98908737.4	12/8/04	69828033.4
Granted	FR	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	2/24/98	98908737.4	12/8/04	0968020
Granted	GB	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	2/24/98	98908737.4	12/8/04	0968020
Granted	IT	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	2/24/98	98908737.4	12/8/04	0968020
Granted	US	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	3/14/97	08/818173	3/16/99	5881717
Granted	US	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	3/3/00	09/518772	12/30/03	6668824
Granted	US	SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR	3/16/01	09/811104	8/8/06	RE39225
Granted	CA	EXHALATION VALVE FOR A PATIENT VENTILATOR	2/24/98	2284082	1/13/09	2284082
Granted	DE	EXHALATION VALVE FOR A PATIENT VENTILATOR	2/24/98	98910069.8	7/22/04	69819310.5
Granted	FR	EXHALATION VALVE FOR A PATIENT VENTILATOR	2/24/98	98910069.8	10/29/03	0968024
Granted	GB	EXHALATION VALVE FOR A PATIENT VENTILATOR	2/24/98	98910069.8	10/29/03	0968024
Granted	IT	EXHALATION VALVE FOR A PATIENT VENTILATOR	2/24/98	98910069.8	10/29/03	0968024
Granted	JP	MAGNETIC EXHALATION VALVE WITH COMPENSATION FOR TEMPERATURE AND PATIENT AIRWAY PRESSURE INDUCED CHANGES TO THE MAGNETIC FIELD	2/24/98	540522/98	7/10/09	4336823
Granted	US	MAGNETIC EXHALATION VALVE WITH COMPENSATION FOR TEMPERATURE AND PATIENT AIRWAY PRESSURE INDUCED CHANGES TO THE MAGNETIC FIELD	3/14/97	08/818171	6/30/98	5771884
Granted	US	EXHALATION CONDENSATE COLLECTION SYSTEM FOR A PATIENT VENTILATOR	3/13/97	08/816719	10/27/98	5826575
Granted	AU	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	199863398	7/12/01	735793
Granted	CA	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	2281832	1/20/09	2281832
Published	CA	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	2648264		
Granted	DE	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	98907643.5	10/30/03	69811346.2
Granted	FR	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	98907643.5	2/12/03	0968019
Granted	GB	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	98907643.5	2/12/03	0968019
Granted	IT	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	2/24/98	98907643.5	2/12/03	
Granted	US	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	3/14/97	08/818201	6/29/99	5915379
Granted	US	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	5/19/99	09/314860	4/9/02	6369838
Granted	US	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	3/15/02	10/099824	10/3/06	7117438

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Published	US	GRAPHIC USER INTERFACE FOR A PATIENT VENTILATOR	7/10/06	11/456262		
Granted	AU	SYSTEM AND METHOD FOR SETTING AND DISPLAYING VENTILATOR ALARMS	2/24/98	64401/98	2/28/02	740786
Granted	CA	SYSTEM AND METHOD FOR SETTING AND DISPLAYING VENTILATOR ALARMS	2/24/98	2283831	1/6/09	2283831
Granted	DE	SYSTEM FOR DISPLAYING VENTILATOR ALARMS	2/24/98	98910065.6	11/9/05	0969893
Published	EP	SYSTEM FOR DISPLAYING VENTILATOR ALARMS	5/27/04	04076570.3		
Granted	FR	SYSTEM FOR DISPLAYING VENTILATOR ALARMS	2/24/98	98910065.6	11/9/05	0969893
Granted	GB	SYSTEM FOR DISPLAYING VENTILATOR ALARMS	2/24/98	98910065.6	11/9/05	0969893
Granted	IT	SYSTEM FOR DISPLAYING VENTILATOR ALARMS	2/24/98	98910065.6	11/9/05	0969893
Granted	US	SYSTEM AND METHOD FOR SETTING AND DISPLAYING VENTILATOR ALARMS	3/14/97	08/818567	2/15/00	6024089
Granted	US	SYSTEM AND METHOD FOR SETTING AND DISPLAYING VENTILATOR ALARMS	1/4/00	09/477751	10/23/01	6305373
Granted	AU	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	66696/98	11/23/00	726792
Granted	CA	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	2281742	1/20/09	2281742
Published	CA	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	2648258		
Granted	DE	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	98908745.7	4/8/04	69814830
Granted	ES	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	98908745.7	1/16/04	2198047
Granted	FR	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	98908745.7	5/21/03	0968021
Granted	GB	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	98908745.7	5/21/03	0968021
Granted	IT	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	98908745.7	5/21/03	0968021
Granted	JP	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/24/98	1998-540525	1/9/09	4240418
Granted	US	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	3/14/97	08/818807	3/16/99	5881723
Granted	US	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	2/19/99	09/253387	8/7/01	6269812
Granted	US	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	6/15/01	09/882200	1/13/04	6675801
Granted	US	VENTILATOR BREATH DISPLAY AND GRAPHIC USER INTERFACE	12/10/03	10/733794	5/2/06	7036504
Granted	US	Ventilator Breath Display and Graphic User Interface	3/2/06	11/366259	9/18/07	727012682
Granted	US	Ventilator Breath Display and Graphic User Interface	9/17/07	11/856632	8/23/11	8001967
Published	US	VENTILATOR BREATH DISPLAY AND GRAPHIC INTERFACE	6/17/11	13/163531		
Pending	US	Ventilator Breath Display and Graphic User Interface	7/16/12	13/549941		
Granted	AU	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	63397/98	9/13/01	00734027
Granted	CA	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	2281834	12/2/08	2281834

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Granted	DE	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	98907642.7	12/3/03	69820237.6
Granted	FR	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	98907642.7	12/3/03	0969892
Granted	GB	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	98907642.7	12/3/03	0969892
Granted	IT	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	98907642.7	12/3/03	0969892
Granted	JP	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	2/24/98	540523/98	5/16/08	4123527
Granted	US	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	4/9/99	09/289016	3/26/02	6360745
Granted	US	SYSTEM AND METHOD FOR CONTROLLING THE START UP OF A PATIENT VENTILATOR	3/14/97	08/818808	6/29/99	5915380
Granted	AU	BREATHING AID DEVICE	9/17/93	48231/93	2/12/97	672032
Granted	CA	BREATHING AID DEVICE	9/17/93	2144983	11/20/07	2144983
Granted	DE	BREATHING AID DEVICE	9/17/93	93920898.9	6/3/98	0662009
Granted	FR	BREATHING AID DEVICE	9/18/92	2695830	12/30/94	9211131
Granted	GB	BREATHING AID DEVICE	9/17/93	93920898.9	6/3/98	0662009
Granted	JP	BREATHING AID DEVICE	9/17/93	6-507863	4/2/04	3540814
Granted	US	BREATHING AID DEVICE	3/13/95	08/403684	9/9/97	5664562
Granted	AU	PRESSURE-CONTROLLED BREATHING AID	9/11/95	40128/99	3/21/02	741538
Granted	AU	PRESSURE-CONTROLLED BREATHING AID	9/11/95	33904/95	4/15/99	704202
Granted	CA	PRESSURE-CONTROLLED BREATHING AID	11/9/95	2199620	11/18/08	2199620
Granted	US	PRESSURE-CONTROLLED BREATHING AID	3/12/97	08/793956	7/13/99	5921238
Granted	US	PRESSURE-CONTROLLED BREATHING AID	5/7/99	09/307511	3/15/05	6866040
Published	US	PRESSURE-CONTROLLED BREATHING AID	6/16/08	12/140095		
Granted	US	OXIMETER SENSOR WITH USER-MODIFIABLE COLOR SURFACE	7/30/97	08/903500	7/20/99	5924982
GRANTEDLIC3	US	CPAP Pressure and Flow Transducer	8/22/97	08/916879	10/24/00	6135106
Granted	CA	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	2305195	11/20/07	2305195
Granted	DE	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	98943449.3	11/7/01	1018934
Granted	FR	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	98943449.3	11/7/01	1018934
Granted	GB	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	98943449.3	11/7/01	1018934
Granted	JP	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	2009-29814	7/23/10	4553406
Granted	JP	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	2000-513495	7/23/10	4553337

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	LI	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	8/28/98	98943449.3	11/7/01	1018934
Granted	US	METHOD AND APPARATUS FOR NUISANCE ALARM REDUCTIONS	9/30/97	08/940438	2/2/99	5865736
Granted	US	METHODS AND APPARATUS FOR ESTIMATING A PHYSIOLOGICAL PARAMETER USING TRANSFORMS	5/26/98	09/085475	7/25/00	6094592
Granted	US	SENSOR MASK AND METHOD OF MAKING SAME	7/21/97	08/897844	2/29/00	6032065
Granted	US	METHOD OF CURVING A FETAL SENSOR	10/1/97	08/941947	10/5/99	5960610
Granted	US	GAS SENSOR	11/2/93	08/147326	10/4/94	5351522
Granted	US	SWITCH OVERLAY IN A PISTON VENTILATOR	10/1/97	08/941961	9/26/00	6123073
Granted	US	SPIROMETER HAVING INDIVIDUALLY CHARACTERIZED, SINGLE-USE DISPOSABLE SENSOR	9/24/97	08/936457	7/20/99	5924994
Granted	US	SPIROMETER HAVING INDIVIDUALLY CHARACTERIZED, SINGLE-USE DISPOSABLE SENSOR	5/19/99	09/314826	3/28/00	6042551
Granted	US	SPIROMETER HAVING INDIVIDUALLY CHARACTERIZED, SINGLE-USE DISPOSABLE SENSOR	5/19/99	09/314821	2/1/00	6019731
Granted	US	SINGLE-USE DISPOSABLE SPIROMETRY SENSOR	9/24/97	29/076922	6/15/99	D411010
Granted	DE	OXYGEN BLENDING IN A PISTON VENTILATOR	12/16/98	98964788.8	3/31/04	69822886.3
Granted	FR	OXYGEN BLENDING IN A PISTON VENTILATOR	12/16/98	98964788.8	3/31/04	1064043
Granted	GB	OXYGEN BLENDING IN A PISTON VENTILATOR	12/16/98	98964788.8	3/31/04	1064043
Granted	JP	OXYGEN BLENDING IN A PISTON VENTILATOR	12/16/98	539887/00	5/29/09	4316138
Granted	US	PEEP CONTROL IN A PISTON VENTILATOR	1/15/98	09/007426	7/6/99	5918597
Granted	US	OXYGEN BLENDING IN A PISTON VENTILATOR	1/15/98	09/007853	6/20/00	6076523
Granted	US	OXYGEN BLENDING IN A PISTON VENTILATOR	5/16/00	09/573453	7/2/02	6412483
Granted	US	METHOD OF ENHANCING PERFORMANCE IN PULSE OXIMETRY VIA ELECTRICAL STIMULATION	4/22/98	09/064639	6/29/99	5916154
Granted	CA	Determining the State of an Oximetry Sensor	10/29/98	2310000	1/29/08	2310000
Published	EP	Determining the State of an Oximetry Sensor	10/29/98	98959372.8		
Granted	JP	Determining the State of an Oximetry Sensor	10/29/98	2000-520684	5/27/11	4748854
Granted	US	METHOD AND APPARATUS FOR DETERMINING THE STATE OF AN OXIMETRY SENSOR	11/19/97	08/974274	3/7/00	6035223
Granted	US	NON-IMAGING OPTICAL CORNER TURNER	12/10/97	08/988479	11/16/04	6819687
Granted	US	NON-IMAGING OPTICAL CORNER TURNER	10/20/04	10/970606	10/24/06	7127141

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Granted	US	NON-IMAGING OPTICAL CORNER TURNER	7/28/06	11/495871	5/6/08	7369742
Granted	JP	FIBER OPTIC OXIMETER CONNECTOR WITH ELEMENT INDICATING WAVELENGTH SHIFT	3/4/99	2000-544246	5/15/09	4306963
Granted	US	FIBER OPTIC PULSE OXIMETER SENSOR WITH ENCODING MEANS FOR WAVELENGTH SHIFT	4/23/98	09/065663	5/16/00	6064899
Granted	US	CLOSED LOOP CONTROL IN A PISTON VENTILATOR	3/10/98	09/037385	11/27/01	6321748
Granted	JP	OXIMETER SENSOR WITH ENCODED TEMPERATURE CHARACTERISTIC	9/28/99	2000-571813	2/5/10	4450512
Granted	JP	MULTIPLE-CODE OXIMETER CALIBRATION ELEMENT	9/28/99	2000-571814	9/3/10	4578683
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE DURABILITY OF A SENSOR	12/23/93	08/172477	4/16/96	5507286
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE DURABILITY OF A SENSOR	7/24/95	08/505975	10/7/97	5673693
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE DURABILITY OF A SENSOR	8/19/97	08/914457	6/8/99	5910108
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE DURABILITY OF A SENSOR	2/1/99	09/241328	9/12/00	6119027
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE DURABILITY OF A SENSOR	12/3/02	10/310130	1/20/04	6681126
Granted	US	COMPLIANCE COMPENSATION IN A VOLUME CONTROL VENTILATOR	3/24/98	09/047082	11/7/00	6142150
Granted	US	APPARATUS FOR COUPLING WHEELCHAIRS TO VENTILATOR CARTS	3/31/99	09/281835	8/14/01	6273444
Granted	US	VENTILATOR COMPRESSOR SYSTEM HAVING IMPROVED DEHUMIDIFICATION APPARATUS	2/3/99	09/243724	4/24/01	6220245
Granted	AU	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	2001251654	6/17/05	2001251654
Granted	CA	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	2405825	11/9/10	2405825
Granted	DE	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	01925056.2	8/15/12	1274343
Published	EP	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	10011573.2		
Pending	EP	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	12180447.0		
Granted	ES	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	01925056.2	8/15/12	1274343
Granted	FR	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	01925056.2	8/15/12	1274343
Granted	GB	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	01925056.2	8/15/12	1274343
Granted	IT	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	01925056.2	8/15/12	1274343
Granted	US	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	4/16/01	09/836050	10/5/04	6801797
Granted	US	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	3/10/04	10/798596	3/30/10	7689259

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Granted	US	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	9/30/05	11/241063	12/13/11	8078246
Granted	US	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	1/12/10	12/686277	7/17/12	8224412
Published	US	PULSE OXIMETER SENSOR WITH PIECE-WISE FUNCTION	11/9/11	13/292956		
Granted	US	CUSTOMIZED RESPIRATORY MASK AND METHOD OF MANUFACTURING SAME	10/20/00	09/692173	4/27/04	6728589
Granted	US	DISPOSABLE RESPIRATORY MASK WITH ADHESIVE SKIN INTERFACE	5/19/99	09/314291	1/29/02	6341606
Granted	US	HAT-HELD RESPIRATORY MASK	6/4/99	09/325770	1/14/03	6505623
Granted	US	DESIGN OF CAP WITH BREATHING MASK ASSEMBLY	6/9/99	29/106062	4/10/01	D440303
Granted	CA	PLIABLE RESPIRATORY MASK	5/25/00	2376783	10/13/09	2376783
Granted	DE	PLIABLE RESPIRATORY MASK	5/25/00	00937732.6	12/29/04	1191967
Granted	FR	PLIABLE RESPIRATORY MASK	5/25/00	00937732.6	12/29/04	1191967
Granted	GB	PLIABLE RESPIRATORY MASK	5/25/00	00937732.6	12/29/04	1191967
Granted	JP	PLIABLE RESPIRATORY MASK	5/25/00	502899/2001	4/2/10	4486290
Granted	US	PLIABLE RESPIRATORY MASK	6/16/99	09/333682	3/19/02	6357440
GRANTEDLIC3	US	CPAP HUMIDIFIER HAVING SLIDING ACCESS DRAWER	10/6/00	09/680864	4/13/04	6718974
Granted	JP	CANTILEVER DEVICE & METHOD FOR BREATHING DEVICES & THE LIKE	3/7/00	2001-505973	10/7/11	4834867
Granted	US	CANTILEVER DEVICE & METHOD FOR BREATHING DEVICES & THE LIKE	11/9/99	09/436406	2/19/02	6347631
Granted	DE	REMOTE VENTING FOR RESPIRATORY MASK	7/24/01	01959138.7	10/4/06	1303328
Granted	FR	REMOTE VENTING FOR RESPIRATORY MASK	7/24/01	01959138.7	10/4/06	1303328
Pending	US	REMOTE VENTING FOR RESPIRATORY MASK	7/24/00	09/624047		
Granted	JP	VARIABLE APERTURE VENTING FOR RESPIRATORY MASK	10/10/00	2001-529783	10/1/10	4598339
Granted	US	VARIABLE APERTURE VENTING FOR RESPIRATORY MASK	10/12/99	09/416648	11/11/03	6644316
Granted	US	LOW NOISE EXHALATION PORT FOR A RESPIRATORY MASK	11/19/99	09/443504	12/30/03	6668830
Published	CA	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	7/17/02	2454057		
Granted	DE	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	7/17/02	02750146.9	4/5/07	60210619.2
Granted	FR	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	7/17/02	02750146.9	4/12/06	1406538

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Granted	GB	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	7/17/02	02750146.9	4/12/06	1406538
Granted	US	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	7/19/01	09/910700	6/22/04	6754516
Granted	US	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	5/19/04	10/850513	10/17/06	7123950
Published	US	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	10/16/06	11/581503		
Published	US	NUISANCE ALARM REDUCTIONS IN A PHYSIOLOGICAL MONITOR	3/31/08	12/080139		
Granted	CA	ADAPTIVE INVERSE CONTROL OF PRESSURE BASED VENTILATION	8/29/01	2421561	12/23/08	2421561
Published	EP	ADAPTIVE INVERSE CONTROL OF PRESSURE BASED VENTILATION	8/29/01	01966330.1		
Granted	JP	ADAPTIVE INVERSE CONTROL OF PRESSURE BASED VENTILATION	8/29/01	2002-524558	2/3/12	4917241
Granted	US	ADAPTIVE INVERSE CONTROL OF PRESSURE BASED VENTILATION	9/5/00	09/655969	5/6/03	6557553
Granted	US	SIGNAL QUALITY METRICS DESIGN FOR QUALIFYING DATA FOR A PHYSIOLOGICAL MONITOR	1/10/03	10/341318	2/28/06	7006856
Granted	US	SIGNAL QUALITY METRICS DESIGN FOR QUALIFYING DATA FOR A PHYSIOLOGICAL MONITOR	12/2/05	11/293714	1/10/12	8095192
Granted	US	TEMPERATURE INDICATING OXIMETRY SENSOR	12/17/04	11/017104	6/5/07	7228161
Granted	US	TEMPERATURE INDICATING OXIMETRY SENSOR	11/2/01	10/053500	1/4/05	6839579
Granted	US	BLIND SOURCE SEPARATION OF PULSE OXIMETRY SIGNALS	11/2/01	10/033703	3/2/04	6701170
Granted	US	BLIND SOURCE SEPARATION OF PULSE OXIMETRY SIGNALS	9/29/03	10/674709	7/18/06	7079880
Granted	US	BLIND SOURCE SEPARATION OF PULSE OXIMETRY SIGNALS	12/27/05	11/318796	3/11/08	7343187
Granted	CA	Respirator Mask	8/3/01	2418148	10/20/09	2418148
Granted	DE	Respirator Mask	8/3/01	01959483.7	5/25/05	1305069
Granted	GB	Respirator Mask	8/3/01	01959483.7	5/25/05	1305069
Granted	US	Respirator Mask	8/4/00	09/632625	3/11/03	6530373
Granted	CA	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	2441017	7/12/11	2441017
Granted	DE	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	60223787.4	11/28/07	1368638
Granted	ES	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	02709832.6	11/28/07	2299558
Granted	FR	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	02709832.6	11/28/07	1368638
Granted	GB	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	02709832.6	11/28/07	1368638

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Granted	HK	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	04104183.5	4/11/08	HK1063072
Granted	IE	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	02709832.6	11/28/07	1368638
Granted	IT	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/13/02	02709832.6	11/28/07	1368638
Granted	US	METHOD AND APPARATUS FOR IMPROVING THE ACCURACY OF NONINVASIVE HEMATOCRIT MEASUREMENTS	3/16/01	09/811328	8/12/03	6606509
Published	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	9/29/05	11/239815		
Published	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	1/26/07	11/698968		
Granted	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	3/16/01	09/810918	7/8/03	6591122
Granted	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	5/20/03	10/441943	6/26/07	7236811
Granted	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	10/30/03	10/699610	7/3/07	7239902
Granted	US	DEVICE AND METHOD FOR MONITORING BODY FLUID AND ELECTROLYTE DISORDERS	9/30/05	11/240927	7/24/12	8229529
Granted	US	MULTI-SEAL RESPIRATORMASK	9/25/00	09/668176	7/16/02	6418928
Granted	DE	VENTILATOR WITH DUAL GAS SUPPLY	10/18/01	01981709.7	2/4/09	1326671
Granted	GB	VENTILATOR WITH DUAL GAS SUPPLY	10/18/01	01981709.7	2/4/09	1326671
Granted	US	VENTILATOR WITH DUAL GAS SUPPLY	9/19/02	10/246421	7/18/06	7077131
Granted	US	VENTILATOR WITH DUAL GAS SUPPLY	6/1/06	11/421665	11/2/10	7823588
Granted	US	NASAL CANNULA WITH INFLATABLE PLENUM CHAMBER	10/20/00	09/692172	8/13/02	6431172
Granted	US	IMPLANTABLE SENSOR FOR PROPORTIONAL ASSIST VENTILATION	10/19/00	09/691171	3/19/02	6357438
GRANTEDLIC3	CA	Bi-Level Flow Generator	9/28/01	2423244	11/15/11	2423244
GRANTEDLIC3	DE	BI-LEVEL FLOW GENERATOR	9/28/01	60131553.7-08	11/21/07	1322369
GRANTEDLIC3	FR	BI-LEVEL FLOW GENERATOR	9/28/01	01981336.9	11/21/07	1322369
GRANTEDLIC3	GB	BI-LEVEL FLOW GENERATOR	9/28/01	01981336.9	11/21/07	1322369
GRANTEDLIC3	US	APPARATUS & METHOD FOR PROVIDING A BREATHING GAS EMPLOYING A BI-LEVEL FLOW GENERATOR WITH AN AC SYNCHRONOUS MOTOR	9/29/00	09/672710	11/11/03	6644310
GRANTEDLIC3	CA	BI-LEVEL FLOW GENERATOR WITH MANUAL STANDARD LEAK ADJUSTMENT	9/28/01	2423184	11/15/11	2423184
GRANTEDLIC3	FR	BI-LEVEL FLOW GENERATOR	9/28/01	01979321.5	9/5/07	1322368
GRANTEDLIC3	GB	BI-LEVEL FLOW GENERATOR	9/28/01	01979321.5	9/5/07	1322368

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GRANTEDLIC3	US	BI-LEVEL FLOW GENERATOR WITH MANUAL STANDARD LEAK ADJUSTMENT	9/29/00	09/672955	4/15/03	6546930
Granted	US	CUSTOMIZABLE FACE OR NOSE MASK FOR THE NON-INVASIVE VENTILATION OF PATIENTS IN GENERAL	11/3/00	09/674963	12/17/02	6494206
Granted	US	CUSTOMIZABLE FACE OR NOSE MASK FOR THE NON-INVASIVE VENTILATION OF PATIENTS IN GENERAL	12/2/02	10/308604	1/18/05	6843249
Granted	US	FACE OR NOSE MASK FOR NON-INVASIVE VENTILATION OF PATIENTS IN GENERAL	3/9/00	10/018899	12/28/04	6834650
Granted	US	FACE OR NOSE MASK FOR NON-INVASIVE VENTILATION OF PATIENTS IN GENERAL	11/29/04	10/998437	10/9/07	7278428
Granted	US	CONNECTOR DESIGN FOR WARMED EAR OXIMETER PROBE	6/21/01	29/143979	6/4/02	D458226
Granted	US	SATSECONDS INDICATOR FOR A PULSE OXIMETER DISPLAY PANEL	4/10/01	29/140075	8/27/02	D462122
Granted	US	MANUAL/AUTO-PRIME AIR ELIMINATOR	8/25/03	10/646842	12/6/05	6972000
Granted	US	MANUAL / AUTO-PRIME AIR ELIMINATOR	11/7/05	11/268687	11/9/10	7828769
Published	CA	STACKED ADHESIVE OPTICAL SENSOR	10/10/02	2463060		
Published	EP	STACKED ADHESIVE OPTICAL SENSOR	10/10/02	02801052.8		
Published	EP	STACKED ADHESIVE OPTICAL SENSOR	10/10/02	10010532.9		
Published	JP	STACKED ADHESIVE OPTICAL SENSOR	10/10/02	2010-93511		
Granted	US	STACKED ADHESIVE OPTICAL SENSOR	9/25/02	10/256245	6/8/04	6748254
Granted	US	STACKED ADHESIVE OPTICAL SENSOR	4/23/04	10/831706	9/26/06	7113815
Published	US	Stacked Adhesive Optical Sensor	7/7/06	11/482258		
Published	CN	Photoplethysmography With a Spatially Homogenous Multi-Color Source	4/6/05	200580015941.1		
Published	CA	PULSE OXIMETRY MOTION ARTIFACT REJECTION USING NEAR INFRARED ABSORPTION BY WATER	3/8/05	2558643		
Published	EP	PULSE OXIMETRY MOTION ARTIFACT REJECTION USING NEAR INFRARED ABSORPTION BY WATER	3/8/05	05728326.9		
Published	HK	PULSE OXIMETRY MOTION ARTIFACT REJECTION USING NEAR INFRARED ABSORPTION BY WATER	3/8/05	07106399.7		
Granted	US	PULSE OXIMETRY MOTION ARTIFACT REJECTION USING NEAR INFRARED ABSORPTION BY WATER	3/9/04	10/797475	10/2/07	7277741
Granted	US	PULSE OXIMETRY MOTION ARTIFACT REJECTION USING NEAR INFRARED ABSORPTION BY WATER	9/18/07	11/901643	6/5/12	8195263
Granted	CA	Infrared Touchframe System	3/20/03	2480182	2/5/08	2480182
Granted	US	INFRARED TOUCHFRAME SYSTEM	12/6/04	10/508916	12/21/10	7855716

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	CA	SELECTION OF PRESET FILTER PARAMETERS BASED ON SIGNAL QUALITY	12/29/03	2512579		
Published	EP	SELECTION OF PRESET FILTER PARAMETERS BASED ON SIGNAL QUALITY	12/29/03	03800274.7		
Published	JP	SELECTION OF PRESET FILTER PARAMETERS BASED ON SIGNAL QUALITY	12/29/03	2010-136550		
Granted	US	SELECTION OF PRESET FILTER PARAMETERS BASED ON SIGNAL QUALITY	1/13/03	10/341722	3/21/06	7016715
Published	US	SELECTION OF PRESET FILTER PARAMETERS BASED ON SIGNAL QUALITY	10/11/05	11/247427		
Granted	CA	HEADBAND WITH TENSION INDICATOR	10/1/03	2500651	7/12/11	2500651
Published	CA	Headband With Tension Indicator	2/11/05	2555079		
Published	CN	Headband With Tension Indicator	2/11/05	200580004720.4		
Granted	DE	Headband With Tension Indicator	2/11/05	05713482.7	12/29/10	1718195
Granted	DE	HEADBAND WITH TENSION INDICATOR	10/1/03	03773086.8	9/1/10	1549165
Granted	ES	Headband With Tension Indicator	2/11/05	05713482.7	12/29/10	1718195
Granted	ES	HEADBAND WITH TENSION INDICATOR	10/1/03	03773086.8	9/1/10	1549165
Granted	FR	Headband With Tension Indicator	2/11/05	05713482.7	12/29/10	1718195
Granted	FR	HEADBAND WITH TENSION INDICATOR	10/1/03	03773086.8	9/1/10	1549165
Granted	GB	Headband With Tension Indicator	2/11/05	05713482.7	12/29/10	1718195
Granted	GB	HEADBAND WITH TENSION INDICATOR	10/1/03	03773086.8	9/1/10	1549165
Published	HK	Headband With Tension Indicator	2/11/05	07104931.7		
Pending	IN	Headband With Tension Indicator	2/11/05	4588/DLNP/2006		
Granted	IT	Headband With Tension Indicator	2/11/05	05713482.7	12/29/10	1718195
Granted	IT	HEADBAND WITH TENSION INDICATOR	10/1/03	03773086.8	9/1/10	1549165
Granted	JP	HEADBAND WITH TENSION INDICATOR	10/1/03	2004-542040	10/8/10	4603887
Granted	NZ	Headband With Tension Indicator	2/11/05	549021	5/9/11	549021
Granted	US	HEADBAND WITH TENSION INDICATOR	10/1/03	10/677742	10/12/10	7810359
Granted	US	Headband With Tension Indicator	2/13/04	10/779331	4/20/10	7698909
Granted	US	FOREHEAD SENSOR PLACEMENT	10/1/03	10/678040	10/30/07	7289837
Granted	US	Forehead Sensor Placement	7/28/06	11/495195	10/26/10	7822453
Published	US	Forehead Sensor Placement	7/28/06	11/495413		
Granted	US	Forehead Sensor Placement	7/28/06	11/495792	3/1/11	7899509
Published	US	FOREHEAD SENSOR PLACEMENT	7/26/10	12/843651		
Granted	US	NON-ADHESIVE OXIMETER SENSOR FOR SENSITIVE SKIN	10/18/02	10/274845	3/13/07	7190986
Published	US	NON-ADHESIVE OXIMETER SENSOR FOR SENSITIVE SKIN	3/7/07	11/715257		
Published	CA	METHOD AND APPARATUS FOR OPTICAL DETECTION OF MIXED VENOUS AND ARTERIAL BLOOD PULSATION IN TISSUE	3/7/05	2557306		
Published	EP	METHOD AND APPARATUS FOR OPTICAL DETECTION OF MIXED VENOUS AND ARTERIAL BLOOD PULSATION IN TISSUE	3/7/05	05724862.7		

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	HK	METHOD AND APPARATUS FOR OPTICAL DETECTION OF MIXED VENOUS AND ARTERIAL BLOOD PULSATION IN TISSUE	3/7/05	07107386.0		
Published	US	METHOD AND APPARATUS FOR OPTICAL DETECTION OF MIXED VENOUS AND ARTERIAL BLOOD PULSATION IN TISSUE	3/8/04	10/796584		
Published	CA	HAT-BASED OXIMETER SENSOR	6/24/04	2530414		
Published	EP	HAT-BASED OXIMETER SENSOR	6/24/04	04756238.4		
Granted	US	HAT-BASED OXIMETER SENSOR	6/25/03	10/606668	5/16/06	7047056
Granted	US	HAT-BASED OXIMETER SENSOR	2/21/06	11/358868	7/12/11	7979102
Granted	US	HAT-BASED OXIMETER SENSOR	7/26/06	11/494435	1/25/11	7877127
Granted	US	HAT-BASED OXIMETER SENSOR	7/26/06	11/494357	10/5/10	7809420
Granted	US	HAT-BASED OXIMETER SENSOR	7/26/06	11/494436	10/12/10	7813779
Granted	US	HAT-BASED OXIMETER SENSOR	7/26/06	11/494365	1/25/11	7877126
Published	CA	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	2556754		
Published	CN	MULTI-BIT ADC WITH SIGMA DELTA MODULATION	2/24/05	200580005860.3		
Granted	DE	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	05723680.4	5/27/09	602005014618
Granted	FR	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	05723680.4	5/27/09	1722671
Granted	GB	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	05723680.4	5/27/09	1722671
Granted	IT	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	05723680.4	5/27/09	1722671
Granted	JP	MULTI-BIT DC WITH SIGMA DELTA MODULATION	2/24/05	2007-500973	4/8/11	4717059
Granted	US	MULTI-BIT ADC WITH SIGMA DELTA MODULATION	2/25/04	10/787542	11/28/06	7142142
Granted	US	MULTI-BIT ADC WITH SIGMA-DELTA MODULATION	11/27/06	11/604589	4/8/08	7355539
Published	CA	OXIMETER AMBIENT LIGHT CANCELLATION	2/24/05	2556748		
Granted	DE	OXIMETER AMBIENT LIGHT CANCELLATION	2/24/05	05723983.2	8/6/08	1722675
Granted	FR	OXIMETER AMBIENT LIGHT CANCELLATION	2/24/05	05723983.2	8/6/08	1722675
Granted	GB	OXIMETER AMBIENT LIGHT CANCELLATION	2/24/05	05723983.2	8/6/08	1722675
Granted	IT	OXIMETER AMBIENT LIGHT CANCELLATION	2/24/05	05723983.2	8/6/08	1722675
Granted	US	OXIMETER AMBIENT LIGHT CANCELLATION	2/25/04	10/787854	3/13/07	7190985
Granted	US	OXIMETER AMBIENT LIGHT CANCELLATION	7/28/06	11/495415	7/15/08	7400919
Published	US	OXIMETER AMBIENT LIGHT CANCELLATION	7/14/08	12/172981		
Published	CA	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	2556755		
Published	CN	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	200580005856.7		
Granted	DE	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	05714036.0	5/26/10	1729630
Granted	FR	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	05714036.0	5/26/10	1729630
Granted	GB	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	05714036.0	5/26/10	1729630

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	IT	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	05714036.0	5/26/10	1729630
Granted	JP	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/24/05	2007-500978	3/18/11	4705626
Granted	US	DELTA-SIGMA MODULATOR FOR OUTPUTTING ANALOG REPRESENTATION OF PHYSIOLOGICAL SIGNAL	2/25/04	10/787853	5/1/07	7212847
Published	CA	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	2556720		
Published	CN	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDICATOR	2/25/05	200580005861.8		
Granted	DE	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	602005014091.3	4/22/09	1722673
Granted	FR	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	05723886.7	4/22/09	1722673
Granted	GB	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	05723886.7	4/22/09	1722673
Published	HK	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	07105438.2		
Granted	IT	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	05723886.7	4/22/09	1722673
Granted	JP	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/05	2007-501031	2/4/11	4676979
Granted	US	SWITCH-MODE OXIMETER LED DRIVE WITH A SINGLE INDUCTOR	2/25/04	10/787852	10/10/06	7120479
Granted	US	Switch-Mode Oximeter LED Drive with a Single Inductor	7/26/06	11/494394	6/5/12	8195262
Pending	IN	OXIMETER CROSS-TALK REDUCTION	2/24/05	5228/DELNP/2006		
Granted	JP	OXIMETER CROSS-TALK REDUCTION	2/24/05	2007-500780	3/11/11	4701235
Granted	US	OXIMETER CROSS-TALK REDUCTION	2/25/04	10/787541	5/8/07	7215985
Published	CA	LED FORWARD VOLTAGE ESTIMATION IN PULSE OXIMETER	2/25/05	2556716		
Granted	US	LED FORWARD VOLTAGE ESTIMATION IN PULSE OXIMETER	2/25/04	10/788243	10/10/06	7120480
Granted	US	OXIMETER RED AND IR ZERO CALIBRATION CONTROL	2/25/04	10/788239	5/13/08	7373192
Published	CA	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/7/05	2557240		
Published	CN	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/7/05	200580007287.2		
Published	EP	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/7/05	05724861.9		
Published	EP	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/7/05	10012712.5		
Published	HK	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/7/05	05724861.9		
Granted	US	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	3/8/04	10/796559	3/20/07	7194293

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Granted	US	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	2/1/07	11/701173	1/6/09	7474907
Granted	US	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	12/3/08	12/315449	2/15/11	7890154
Published	US	SELECTION OF ENSEMBLE AVERAGING WEIGHTS FOR A PULSE OXIMETER BASED ON SIGNAL QUALITY METRICS	12/28/10	12/979828		
Published	CA	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/05	2556724		
Granted	DE	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/05	602005005964.4	4/9/08	1722674
Granted	FR	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/05	05723887.5	4/9/08	1722674
Granted	GB	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/05	05723887.5	4/9/08	1722674
Granted	IT	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	7/7/08	26467BE/2008	4/9/08	1722674
Granted	JP	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/05	20057501032	6/3/11	4756027
Granted	US	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	2/25/04	10/787851	1/9/07	7162288
Granted	US	TECHNIQUES FOR DETECTING HEART PULSES AND REDUCING POWER CONSUMPTION IN SENSORS	1/8/07	11/650861	3/3/09	7499740
Pending	IN	PULSE OXIMETER WITH ALTERNATE HEART-RATE DETERMINATION	3/7/05	5442/DELNP/2006		
Granted	US	PULSE OXIMETER WITH ALTERNATE HEART-RATE DETERMINATION	3/8/04	10/796566	5/19/09	7534212
Granted	US	PULSE OXIMETER WITH ALTERNATE HEART-RATE DETERMINATION	5/7/09	12/437335	8/30/11	8007441
Published	CA	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	2557950		
Published	CN	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	200580007373.0		
Granted	DE	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	05724845.2	5/5/10	1737337
Granted	FR	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	05724845.2	5/5/10	1737337
Granted	GB	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	05724845.2	5/5/10	1737337
Granted	IT	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	05724845.2	5/5/10	1737337
Granted	JP	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/7/05	2007-502899	3/11/11	4700682
Granted	US	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	3/8/04	10/796578	5/2/06	7039538
Granted	US	PULSE OXIMETER WITH SEPARATE ENSEMBLE AVERAGING FOR OXYGEN SATURATION AND HEART RATE	4/27/06	11/412483	4/24/07	7209774
Granted	AU	LARYNGEAL AIRWAY DEVICE	3/8/05	2005221660	1/6/11	2005221660

Status	Ctry	Title	Filed	App. #	Issued	Pat. #
Published	CA	LARYNGEAL AIRWAY DEVICE	3/8/05	2558646		
Granted	CN	LARYNGEAL AIRWAY DEVICE	3/8/05	200580012985.9	5/5/10	ZL200580012985.9
Published	EP	LARYNGEAL AIRWAY DEVICE	3/8/05	05728354.1		
Published	HK	LARYNGEAL AIRWAY DEVICE	3/8/05	07107385.1		
Granted	JP	LARYNGEAL AIRWAY DEVICE	3/8/05	2007-502919	2/4/11	4677440
Granted	US	LARYNGEAL AIRWAY DEVICE	3/9/04	10/797479	8/29/06	7096868
Granted	US	Adjustable Patient Interface for a Breathing Assistance System	8/31/06	11/469216	4/3/12	8146595

SCHEDULE II

Trademark Registrations and Applications

Trademark	Status	Application No.	Registration No.	Country	Goods
ASPECT	Registered	2009706596	406706	Russian Federation	Electroencephalograph monitors and sensors
ASPECT	Registered	m200911957	131622	Ukraine	Electroencephalograph monitors and sensors
ASPECT	Registered	957902	957902	Australia	Electroencephalograph analysis instrument, including, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph
ASPECT	Registered	986630	986630	Australia	Depth of anaesthesia monitors and sensors.
ASPECT	Registered	825028256	825028256	Brazil	Electroencephalograph analysis instrument; namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph; depth of anesthesia monitors and sensors.
ASPECT	Registered	1156063	TMA606067	Canada	Electroencephalograph analysis instrument; namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph; depth of anesthesia monitors and sensors. Electroencephalograph analysis instrument; namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph.
ASPECT	Registered	2002-090290	4723820	Japan	Electroencephalograph analysis instruments such as cerebral diagnostic devices; electrodes for electroencephalograph; depth of anesthesia monitors and sensors; other medical machines and apparatus
BIS	Registered	754929	754929	India	Electroencephalograph monitors and sensors
BIS	Registered	38439	42851	Saudi Arabia	Computer programs for use in monitoring and processing electroencephalograph signals.
BIS	Registered	38440	42852	Saudi Arabia	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth orthopedic articles; suture materials
BIS	Registered	m200911956	135015	Ukraine	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS	Registered	731547	731547	Australia	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS	Registered	0841586	TMA533303	Canada	Computer programs for use in monitoring and processing electroencephalograph signals; electroencephalograph monitors and sensors. Computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors
BIS	Registered	1237474	1237474	China (People's Republic)	Electroencephalograph monitors and sensors
BIS	Registered	754928	754928	India	Computer programs for use in monitoring and processing electroencephalograph signals.
BIS and design	Registered	2021584	2021584	China (People's Republic)	Computer programs for use in monitoring and processing electroencephalograph signals
BIS and design	Registered	754930	754930	India	Computer programs for use in monitoring and processing electro-encephalograph signals
BIS and design	Registered	754931	754931	India	Electro-encephalograph monitors and sensors
BIS and design	Registered	H09-104831	4403201	Japan	Electronic circuits, magnetic disks, magnetic tapes and other memory media having computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS and design	Registered	38441	42853	Saudi Arabia	Electroencephalograph monitors and sensors
BIS and design	Registered	38442	42854	Saudi Arabia	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth orthopedic articles; suture materials

Trademark	Status	Application No.	Registration No.	Country	Goods
BIS and design	Registered	731546	731546	Australia	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS and design	Registered	0841588	TMA533044	Canada	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS and design	Registered	1237475	1237475	China (People's Republic)	Electroencephalograph monitors and sensors
BIS READY	Registered	1229849	TMA645716	Canada	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BIS READY	Registered	851593	851593	Int'l Registration - Madrid Protocol Only	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BIS READY	Registered	851593	851593	China (People's Republic)	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BIS READY	Registered	851593	851593	Japan	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BIS READY	Registered	851593	851593	Singapore	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing

Trademark	Status	Application No.	Registration No.	Country	Goods
					neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BISPECTRAL INDEX	Registered	H09-104832	4181898	Japan	Electronic circuits, magnetic discs, magnetic tapes and other memory mediums having computer programs for use in monitoring and processing electronic apparatus and their parts; Electroencephalograph monitors and sensors and other medical apparatus and instruments
BISPECTRAL INDEX	Registered	38444	42850	Saudi Arabia	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth orthopedic articles; suture materials
BISPECTRAL INDEX	Registered	38443	42774	Saudi Arabia	Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	M200911954	133448	Ukraine	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	0841587	TMA533778	Canada	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	1229054	1229054	China (People's Republic)	Computer programs for use in monitoring and processing electroencephalograph signals
BISPECTRAL INDEX	Registered	1219345	1219345	China (People's Republic)	Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	754932	754932	India	Computer programs for use in monitoring and processing electroencephalograph signals
BISPECTRAL INDEX	Registered	754933	754933	India	Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	2009706682	409737	Russian Federation	Electroencephalograph monitors and sensors
BISX	Registered	851596	851596	Japan	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX	Registered	851596	851596	Singapore	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX	Registered	1229848	TMA645717	Canada	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in

Trademark	Status	Application No.	Registration No.	Country	Goods
					monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX	Registered	851596	851596	Int'l Registration - Madrid Protocol Only	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX	Registered	851596	851596	China (People's Republic)	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX and design	Registered	852624	852624	Singapore	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BISX and design	Registered	1229853	TMA646648	Canada	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX and design	Registered	852624	852624	Int'l Registration - Madrid Protocol Only	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels

Trademark	Status	Application No.	Registration No.	Country	Goods
					and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for perofmrng neurodiagnostics and for assessing hypnotic levels and patient awareness.
BISX and design	Registered	852624	852624	China (People's Republic)	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for perofmrng neurodiagnostics and for assessing hypnotic levels and patient awareness.
BISX and design	Registered	852624	852624	Japan	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for perofmrng neurodiagnostics and for assessing hypnotic levels and patient awareness.
ZIPPREP	Registered	A57317	2095913	Germany	Medical and veterinary instruments and apparatus; electroencephalographs and electrocardiographs as well as electrodes and sensors for electroencephalographs and electrocardiographs
ZIPPREP	Registered	633985	633985	India	EEG and ECG electrodes and sensors
ZIPPREP	Registered	3310703	3310703	Japan	EEG and ECG electrodes and sensors
ZIPPREP	Registered	25647	33243	Saudi Arabia	EEG and ECG electrodes and sensors
ZIPPREP	Registered	1912152	1912152	Spain	EEG and ECG electrodes and sensors
ZIPPREP	Registered	1994/06582	265621	Sweden	EEG and ECG electrodes and sensors
ZIPPREP	Registered	0829341	555286	Benelux	EEG and ECG electrodes and sensors
ZIPPREP	Registered	818036346	818036346	Brazil	EEG and ECG electrodes and sensors
ZIPPREP	Registered	0758163	TMA505106	Canada	EEG and ECG electrodes and sensors
ZIPPREP	Registered	872161	872161	China (People's Republic)	EEG and ECG electrodes and sensors
ZIPPREP	Registered	94525823	94525823	France	Electrodes and sensors for electroencephalograms and electrocardiograms
DURA-Y	Registered	13614/93	4019007	Japan	Apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion; other medical instruments
NELLCOR	Registered	118827/90	2722245	Japan	
NELLCOR	Registered	213020	213020	New Zealand	Surgical, medical, dental and veterinary apparatus and instruments; physiological monitoring and measurement apparatus; and parts and fittings for all the aforesaid goods
BECAUSE NELLCOR CARES	Regist-TBA	74/656392	1955084	United States of America	Recycled sensor cables
DURASENSOR	Registered	837641	559482	Benelux	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion

Trademark	Status	Application No.	Registration No.	Country	Goods
DURASENSOR	Registered	94/545697	94/545697	France	
DURASENSOR	Registered	94/14704	3398/1996	Hong Kong	Medical and surgical apparatus and instruments; parts and fittings for all the aforesaid goods
DURASENSOR	Registered	2003092	2003092	United Kingdom	Apparatus for measurement of pulse rate, of pulse rhythm, and of oxygen saturation and perfusion; parts and fittings for all the aforesaid goods
DURASENSOR	Registered	227574	490405	Mexico	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion
DURA-Y	Registered	770243	456005	Canada	
DURA-Y	Registered	93451949	93451949	France	Medical instruments; namely, apparatus for measurement of pulse rate and rhythm, and of blood oxygen saturation and perfusion
DURA-Y	Registered	39402867.8	39402867	Germany	Medical instruments and apparatus, especially apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
DURA-Y	Registered	14705/94	2088/1997	Hong Kong	Medical and surgical apparatus and instruments; parts and fittings for all the aforesaid goods
DURA-Y	Registered	837640	559481	Benelux	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopaedic articles; suture materials
DURA-Y	Registered	227584	490409	Mexico	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion
EASY CAP	Registered	0771852	TMA550749	Canada	MEDICAL APPARATUS AND INSTRUMENTS FOR MEASURING CARBON DIOXIDE IN EXHALED BREATH, AND ATTACHMENTS THEREFOR.
EASY CAP	Registered	39408402.0	39408402	Germany	Medical devices for measuring carbon dioxide in exhaled breath and attachments therefor
EASY CAP	Registered	6-130660	3312555	Japan	Medical apparatus and instrument
EASY CAP	Registered	2006511	2006511	United Kingdom	Devices for measuring carbon dioxide in exhaled breath
EASY CAP	Registered	649205	649205	Australia	Medical devices including medical devices for measuring carbon dioxide in exhaled breath, parts, fittings and attachments therefor, but excluding dental caps and surgical caps
EASY CAP	Registered	94/550309	94/550309	France	
KNOB DESIGN	Regist-TBA	8019/91	2656775	Japan	Medical apparatus and instruments
KNOB DESIGN	Regist-TBA	8020/91	2696260	Japan	Electrical machines and apparatus (excluding household electrical appliances), applied electronic machines and apparatus (excluding electron tubes, semiconductor elements and electronic circuits), electrical materials
NELLCOR	Registered	95/4235	95/4235	South Africa	Surgical, medical, dental and veterinary apparatus and instruments; electronic instruments for measuring pulse interval, pulse flow and blood oxygen saturation levels, blood pressure levels, carbon dioxide respiration levels, breathing quality and related measurements; instruments for calibrating the aforementioned goods; parts, accessories and fittings for the aforementioned goods
NELLCOR	Registered	94654	94654	Egypt	Electronic, surgical, medical, dental and veterinary apparatus and instruments for measuring pulse waveforms and determining pulse rate and other pulse parameters; for measuring and monitoring perfusion, blood oxygen saturation, etc.
NELLCOR	Registered	Z-144598	R-99023	Poland	Surgical, medical, dental and veterinary apparatus, artificial limbs, eyes and teeth; orthopedic articles; suture materials; especially including medical diagnostic apparatus and patient monitoring and measurement instruments for measuring pulse interval, pulse flow, pulse rate and rhythm, blood pressure and blood oxygen saturation and for controlling respiration; accessories for all the aforesaid goods and instruments for calibrating same
NELLCOR	Registered	10019/95	P193183	Venezuela	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials
NELLCOR	Registered	129039	129039	Pakistan	Medical devices for monitoring patient oxygen saturation

Trademark	Status	Application No.	Registration No.	Country	Goods
					levels, blood pressure levels, carbon dioxide respiration levels, breathing quality, all being goods included in Class 10
NELLCOR	Registered	35156	23847	Romania	Surgical, medical and dental apparatus and instruments; measuring and monitoring instruments for treating patients; apparatus for medical diagnosis and electronic instruments for measuring the pulse intervals, pulse intensity, oxygen saturation of the blood and perfusion and instruments for their callipering; parts and accessories for all the above-mentioned goods.
NELLCOR	Registered	28573	356/69	Saudi Arabia	Medical devices for monitoring patient oxygen saturation levels, blood pressure levels, carbon dioxide respiration levels, quality of breathing
NELLCOR	Registered	8993/94	T94/08993E	Singapore	Electronic instruments for measuring pulse interval, pulse flow and blood oxygen saturation and instruments for calibrating all aforementioned electronic apparatus; electronic, surgical and medical instruments for measuring pulse waveforms and determining pulse rate and other pulse parameters; for measuring and monitoring perfusion, blood oxygen saturation, and other blood gases; for measuring blood pressure, carbon dioxide, respiration levels; electronic monitoring apparatus, apparatus for diagnostic purposes; and parts and fittings for all the aforementioned electronic apparatus and instrument for calibrating all aforementioned electronic apparatus; apparatus for diagnostic purposes for measurement of pulse rate, rhythm, and of oxygen saturation and perfusion; patient monitoring and measurement instruments and parts and fittings therefor; all being goods included in Class 10
NELLCOR	Registered	1578/95	183707	Slovakia	Surgical, medical, dental apparatus and instruments; patient monitoring and measuring instruments, medical diagnostic apparatus and electronic instruments for measuring pulse interval, pulse flow, blood oxygen saturation and perfusion and for the instruments for calibrating same and parts, fittings and accessories for all the aforesaid goods
NELLCOR	Registered	83057959	684178	Taiwan	Medical instruments for monitoring oxygen absorption, carbon dioxide respiration and blood pressure of patients.
NELLCOR	Registered	08337/1986	VR198900877	Denmark	
NELLCOR	Registered	M95 01059	146585	Hungary	Electronic instruments for measuring pulse interval , pulse flow and blood oxygen saturation and for the instruments for calibrating same, medical diagnostic apparatus for measurement of pulse rate, rhythm, and of oxygen saturation and perfusion, patient monitoring and measurement instruments and accessories therefor
NELLCOR	Registered	94/5062	161784	Ireland	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials; medical devices for monitoring patients oxygen saturation levels, blood pressure levels, carbon dioxide respiration levels, breathing quality, etc.
NELLCOR	Registered	118826	2708554	Japan	Medical apparatus and instruments
NELLCOR	Registered	31625	28216	Kuwait	Medical devices for monitoring patient oxygen saturation levels, blood pressure levels, carbon dioxide respiration levels, breathing quality
NELLCOR	Registered	271435	19144	Peru	
NELLCOR	Registered	685182	421003	Benelux	
NELLCOR	Registered	309063	462950	Chile	Full line of pulse oximetry devices, namely monitors, sensors and accessories for use therewith to monitor patient blood oxygenation levels, pulse rate, end-tidal carbon dioxide, respiration rate, non-invasive blood pressure and temperature; full line of airway management devices, namely endotracheal tubes, endobronchial tubes, laryngeal masks and specialty airways, tracheotomy tubes

Trademark	Status	Application No.	Registration No.	Country	Goods
					and accessories, nebulizers, filters and accessories, CO2 detectors, resuscitation bags.
NELLCOR	Registered	94093921	864392	China (People's Republic)	Electronic instruments for measuring pulse interval, pulse flow and blood oxygen saturation and for the instruments for calibrating same; medical diagnostic apparatus for measurement of pulse rate, rhythm, and of oxygen saturation and perfusion; patient monitoring and measurement instruments and accessories therefor
NELLCOR	Registered	94/035592	173635	Colombia	
NELLCOR	Registered	2107-95	95200	Costa Rica	
NELLCOR	Registered	100809	193875	Czech Republic	
NELLCOR	Registered	563799	A563799	Australia	Physiological monitorin and measurement apparatus and accessories and attachments therefor
NELLCOR	Registered	Z-95-0244	40853	Serbia (Old Code)	Electronic instruments for measuring pulse interval, pulse flow and blood oxygen saturation and for the instruments for calibrating same; medical diagnostic apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion; patient monitoring and measurement instruments and accessories therefor.
NELLCOR	Registered	210238	477595	Mexico	See file for list
NELLCOR IN KATAKANA	Registered	08-739382	1917356	Japan	
NELLCOR PURITAN BENNETT	Regist-TBA	700871	700871	Australia	See registration certificate
NELLCOR PURITAN BENNETT	Regist-TBA	39612241.8	39612241	Germany	See Registration Certificate
NELLCOR PURITAN BENNETT	Regist-TBA	96/615598	96615598	France	
NELLCOR PURITAN BENNETT	Regist-TBA	2058864	2058864	United Kingdom	See Certificate of Registration
OXICHIP	Registered	N26979/9Wz	2906589	Germany	Printed circuit boards for use in oxygen saturation and monitoring equipment
OXICHIP	Registered	6-97321	3282407	Japan	Physical and chemical apparatus and instruments, measuring apparatus and instruments, electrical distribution or control machines and apparatus, electrical and magnetic measuring instruments, applied electronic machines and instruments
OXICLIQ	Registered	94/14702	11462/1997	Hong Kong	Medical instruments for measurement of pulse rate and rhythm and of blood saturation and profusion
OXICLIQ	Registered	310957/92	3116895	Japan	
OXICLIQ	Registered	588553	A588553	Australia	Medical instruments, namely apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation profusion
OXICLIQ	Registered	74439	521126	Benelux	
OXICLIQ	Registered	92440703	92440703	France	Medical instruments, namely apparatus for measurement of pulse rate and rhythm, and of blood osygen saturation and profusion
OXICLIQ	Registered	N25255/10Wz	2050578	Germany	
OXICLIQ	Registered	227583	490408	Mexico	Medical instruments, namely, apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and profusion
OXISENSOR	Registered	769298	506013	Benelux	
OXISENSOR	Registered	308956	1694421	France	
OXISENSOR	Registered	N24300/10Wz	2022608	Germany	
OXISENSOR	Registered	94/14703	B11262/1998	Hong Kong	Physiological monitoring and measurement apparatus
OXISENSOR	Registered	227582	490407	Mexico	Medical transducer; namely, an apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
OXISMART	Regist-TBA	764507	506320	Canada	Medical instruments; namely, apparatus for processing signals and managing alarms when measuring pulse rate and rhythm or blood oxygen saturation
OXISMART	Regist-TBA	834405	558076	Benelux	Medical instruments; namely, apparatus for processing signals and managing alarms when measuring pulse rate and rhythm or blood oxygen saturation

Trademark	Status	Application No.	Registration No.	Country	Goods
OXISMART	Regist-TBA	94/537662	94/537662	France	Medical instruments, namely, apparatus for processing signals and managing alarms when measuring pulse rate and rhythm or blood oxygen saturation
OXISMART	Regist-TBA	2910025	2910025	Germany	Medical instruments, namely, apparatus for processing signals and managing when measuring pulse rate and rhythm or blood oxygen saturation
OXISMART	Regist-TBA	6-95060	3259687	Japan	Diagnostic instruments, therapeutic instruments
OXISMART	Regist-TBA	74/505762	2034100	United States of America	Medical instruments; namely, apparatus for processing signals and managing alarms when measuring pulse rate and rhythm or blood oxygen saturation
OXISMART	Regist-TBA	640798	640798	Australia	All goods in Class10; medical instruments; apparatus for processing signals and managing alarms when measuring pulse rate and rhythm or blood oxygen saturation
PB PURITAN BENNETT & DESIGN	Registered	84899	396393	Mexico	Respiratory therapy apparatus and products
PB PURITAN BENNETT & DESIGN	Regist-TBA	525772	A525772	Australia	Life saving apparatus and instruments in this class including patient respiratory therapy products being ventilators, oxygen concentrators and other such respiratory therapy products; parts, fittings and accessories in this class for the foregoing
PEDI-CAP	Registered	94/539555	94/539555	France	Medical device for measuring carbon dioxide in exhaled breath and attachments therefor for use in connection with pediatric and neonatal care patients
PEDI-CAP	Registered	2909732	2909732	Germany	Medical device for measuring carbon dioxide in exhaled breath and attachments therefor for use in connection with pediatric and neonatal care patients
PEDI-CAP	Registered	1583403	1583403	United Kingdom	Medical apparatus and instruments; devices for measuring carbon dioxide in exhaled breath; parts and fittings for all the aforesaid goods
PEDI-CAP	Registered	764118	485348	Canada	
SOFTCARE	Registered	3870615	3870615	European Community	Medical oxygen transducer, namely, an apparatus for measurement of pulse rate and rhythm, and of blood oxygen saturation and perfusion.
SOFTCARE	Registered	50997/2004	4858949	Japan	Apparatus for measurement of pulse rate and rhythm, and of blood oxygen saturation and perfusion, and other medical apparatus and instruments.
THE 5TH VITAL SIGN & HEART DESIGN	Regist-TBA	74/459088	1908883	United States of America	Educational services, namely, conducting classes, conferences, seminars, workshops and individual tutorial instruction in the field of patient assessment and patient management by monitoring and evaluating any combination of patient measurements related to oxygenation, temperature, blood pressure, respiration and pulse rate
700 SERIES	Registered	75/283446	2286045	United States of America	Medical instruments; namely, ventilators
800 SERIES	Registered	75/283302	2286043	United States of America	Medical instruments; namely, ventilators
ACHIEVA	Registered	1125558	1125558	European Community	ventilators for medical purposes, parts and fitting therefor
ACHIEVA	Registered	2088226	2088226	Spain	Ventilators for medical treatment
ACHIEVA	Registered	9-107783	4363238	Japan	Ventilators for medical treatment
ACHIEVA	Registered	75/186710	2307700	United States of America	Ventilators for medical treatment
ACHIEVA	Registered	39716452.1	39716452	Germany	Ventilators for medical treatment
ACHIEVA	Registered	97/674925	97/674925	France	Ventilators for medical treatment
ACHIEVA	Registered	2130400	2130400	United Kingdom	Ventilators for medical treatment
ADAM	Registered	75/811730	2415536	United States of America	Therapeutic apparatus, namely a nasal mask for treating patients with sleep apnea
ASPECT	Registered	002893980	2893980	European Community	Electroencephalograph analysis instrument: namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph; depth of anesthesia monitors and sensors

Trademark	Status	Application No.	Registration No.	Country	Goods
ASPECT	Registered	574874	868049	Mexico	Electroencephalograph analysis instrument: namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena; electrodes for electroencephalograph depth of anesthesia monitors and sensors
ASPECT	Registered	74/212746	1932423	United States of America	Electroencephalograph analysis instrument; namely, a cerebral phenomena detector and diagnostic index generator used for quantifying cerebral phenomena, electrodes for electroencephalograph
ASPECT	Registered	75/615159	2323793	United States of America	Medical diagnostic equipment, namely, video display monitors, video hard-copy imagers
BI-LEVEL	Registered	74/408901	1876148	United States of America	Respiratory therapy apparatus for the treatment of obstructive sleep apnea
BIS	Registered	291655	559963	Mexico	Electroencephalograph monitors and sensors
BIS	Registered	75/178421	2229390	United States of America	Computer programs for use in monitoring and processing electroencephalograph signals
BIS	Registered	75/178362	2226559	United States of America	Electroencephalograph monitors and sensors
BIS	Registered	000504340	504340	European Community	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS	Registered	291654	622413	Mexico	Computer programs for use in monitoring and processing electroencephalograph signals
BIS and design	Registered	75/178359	2226557	United States of America	Computer programs for use in monitoring and processing electroencephalograph signals
BIS and design	Registered	75/178639	2229392	United States of America	Electroencephalograph monitors and sensors
BIS and design	Registered	000504332	504332	European Community	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BIS and design	Registered	291656	556233	Mexico	Computer programs for use in monitoring and processing electroencephalograph signals
BIS and design	Registered	291657	558374	Mexico	Electroencephalograph monitors and sensors
BIS PLUS and Design	Lapsed	1362540	1362540	European Community	
BIS READY	Registered	78/387066	3345038	United States of America	Electroencephalograph monitors; monitors for use in assessing neurological function and for assessing hypnotic levels and patient awareness
BIS READY	Registered	004019238	4019238	European Community	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISPECTRAL INDEX	Registered	291659	559965	Mexico	Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	75/178361	2226558	United States of America	Computer programs for use in monitoring and processing electroencephalograph signals
BISPECTRAL INDEX	Registered	75/178364	2229389	United States of America	Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	000504233	504233	European Community	Computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors
BISPECTRAL INDEX	Registered	291658	559964	Mexico	Computer programs for use in monitoring and processing electroencephalograph signals
BISX	Registered	004019411	4019411	European Community	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for

Trademark	Status	Application No.	Registration No.	Country	Goods
					assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness.
BISX	Registered	78/387077	3118022	United States of America	Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological function and dysfunction, and for assessing hypnotic levels and patient awareness.
BISX	Registered	78/387078	3469276	United States of America	Computer programs for use in monitoring and processing electroencephalograph signals
BISX and design	Registered	004019527	4019527	European Community	Computer programs for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for use in assessing hypnotic levels and patient awareness; computer programs for use in monitoring and processing electroencephalograph signals.; Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological and cognitive function and dysfunction, for predicting and measuring response to psychoactive medications, for assessing psychological state, for performing neurodiagnostics and for assessing hypnotic levels and patient awareness
BISX and design	Registered	78/387086	3136579	United States of America	Electroencephalograph monitors and sensors; monitors and sensors for use in assessing neurological function and for assessing hypnotic levels and patient awareness
BISX and design	Registered	78/387082	3473611	United States of America	Computer programs for use in monitoring and processing electroencephalograph signals
BREATHLAB	Registered	75/468562	2441293	United States of America	Medical equipment, namely, hardware and software for use in testing ventilatory and respiratory devices
BREEZE	Registered	75/697770	2443335	United States of America	THERAPEUTIC APPARATUS FOR TREATING PATIENTS WITH SLEEP DISORDERED BREATHING
CLINIVISION	Registered	630957	370750	Canada	(1) Computer programs for medical clinic management, particularly for respiratory care..
CLINIVISION	Registered	73/668430	1479428	United States of America	Computer programs for medical clinic management, particularly for respiratory care
D/FLEX	Registered	74/508703	1959287	United States of America	Bacterial filters for use in respiratory therapy equipment
DREAMFIT	Registered	78/524177	3113010	United States of America	Respiratory therapeutic apparatus, namely a mask for treating patients with sleep apnea.
DREAMSEAL	Registered	78/012189	2564667	United States of America	medical device, namely, a breathing apparatus used with positive airway pressure device
DURASENSOR	Registered	6-117687	4113663	Japan	Diagnostic instruments
DURASENSOR	Registered	73/536512	1366548	United States of America	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion
DURASENSOR	Registered	646481	646481	Australia	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion
DURASENSOR	Registered	818208910	818208910	Brazil	
DURASENSOR	Registered	689987	416960	Canada	
DURASENSOR	Registered	39402868.6	39402868	Germany	Medical instruments and apparatus, especially apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
DURASENSOR	Registered	MI95C000762	1140409	Italy	
DURASENSOR	Registered	1936243	1936243	Spain	Apparatus for measurement of pulse rate, rhythm and of oxygen saturation and perfusion
DURA-Y	Registered	818208937	818208937	Brazil	
DURA-Y	Registered	RM93C000400	1048517	Italy	Surgical, medical, dental and veterinary apparatus and

Trademark	Status	Application No.	Registration No.	Country	Goods
					instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
DURA-Y	Registered	1523540	1523540	United Kingdom	Apparatus for measurement of pulse rate and rhythm; apparatus for measurement of blood oxygen saturation and perfusion
DURA-Y	Registered	74/304222	1809996	United States of America	Medical instruments; namely, apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
EASY CAP	Registered	74/214465	1795729	United States of America	Medical device for measuring carbon dioxide in exhaled breath and attachments therefor
EASYNEB	Registered	75/449743	2532404	United States of America	Medical devices; namely, an ultrasonic nebulizer
ENLIGHTENING MEDICINE	Registered	78970205	3359856	United States of America	Medical equipment, namely, a bioelectronic spectrophotometric instrument for measuring the electrical impedance of biological tissues
IESYNC	Published	77/881031		United States of America	Computer software for medical ventilators.; Medical ventilators
INCURO	Registered	77214727	3384855	United States of America	Medical data integration system comprised of computer hardware and software for management of medical and patient information, namely, computer hardware and software for collecting, recording, storing, integrating, analyzing, reportin and displaying medical and patient data and for transmitting medical and patient data to and from medical and patient records, medical and patient monitoring equipment, medical and patient care devices, electronic health information systems, electronic medical record systems, pharmacology systems, laboratory systems, and other electronic medical and patient related systems and repositories.
INDGO	Regist-TBA	78/225675	2872819	United States of America	Medical device, namely, disposable manual resuscitator
INVOS	Registered	73/587935	1441862	United States of America	SPECTROPHOTOMETRIC INSTRUMENTS FOR LABORATORY USE; SPECTROPHOTOMETRIC INSTRUMENTS ADAPTED FOR DIRECT APPLICATION TO THE HUMAN BODY
MISCELLANEOUS DESIGN (BLUE COLOR)	Registered	74/732563	2436055	United States of America	Medical transduces, namely an apparatus for a measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
N-560	Registered	78/736278	3399646	United States of America	Medical devices, namely pulse oximeters
N-600	Registered	78/732273	3308958	United States of America	Medical devices, namely pulse oximeters
N-65	Registered	78/736267	3410556	United States of America	Medical devices, namely pulse oximeters
N-85	Registered	78/736113	3396043	United States of America	Medical devices, namely pulse oximeters
NELL	Registered	78/732290	3432878	United States of America	Circuit boards used in medical devices
NELLCOR	Registered	86-9898	208056	Sweden	Medical apparatus and instruments
NELLCOR	Registered	86/096513	96513	Turkey	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
NELLCOR	Registered	385330	1276853	United States of America	
NELLCOR	Registered	429077	1301428	United States of America	Medical diagnostic apparatus for measurement of pulse rate, rhythm, and of oxygen saturation and perfusion
NELLCOR	Registered	75/094032	2129840	United States of America	Patient monitoring and measurement instruments for monitoring and measurement of pulse rate, rhythm, blood pressure and oxygenation; and circuit boards used in such instruments
NELLCOR	Registered	84693	84693	Greece	
NELLCOR	Registered		65199	Israel	Monitoring and measuring instruments for medical use and accessories included in Class 10 for these goods
NELLCOR	Registered	634351	634351	India	medical diagnostic apparatus for measurements of pulse

Trademark	Status	Application No.	Registration No.	Country	Goods
					rate, rhythm, blood oxygen saturation levels, carbon dioxide respiration levels, blood pressure levels, breathing quality and other good falling in class 10
NELLCOR	Registered		509157	Int'l Registration - Madrid Agreement / Protocol	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
NELLCOR	Registered	30907/94	333212	Korea, Republic of	Medical devices for monitoring patients oxygen saturation levels, blood pressure levels, carbon dioxide respiration levels, breathing quality, etc.
NELLCOR	Registered	865117	130051	Norway	
NELLCOR	Registered	689985	412333	Canada	
NELLCOR	Registered	1815747	1815747	Spain	
NELLCOR	Registered	1295855	1295855	United Kingdom	Medical apparatus and instruments; parts and fittings for all the aforesaid goods
NELLCOR OXIMAX WORKS HERE & Device	Registered	7598378	7598378	European Community	Patient monitoring and measurement instruments for measurement of pulse rate, rhythm, blood pressure and oxygenation; and circuit boards used in such instruments
NELLCOR OXIMAX WORKS HERE & Device	Registered	77/549214	3587008	United States of America	Patient monitoring and measurement instruments for measurement of pulse rate, rhythm, blood pressure and oxygenation; and circuit boards used in such instruments.
NELLCOR PURITAN BENNETT	Regist-TBA	1093709	590552	Canada	Medical device for measuring carbon dioxide in exhaled breath; medical instrumentation; namely patient monitors for monitoring blood pressure, oxygenation, ECG, respiration, pulse rate and/or temperature.
NELLCOR PURITAN BENNETT	Regist-TBA	341677	341677	European Community	
NELLCOR PURITAN BENNETT	Regist-TBA	8-124680	4175366	Japan	Medical apparatus and instruments
NELLCOR WORKS HERE & DESIGN	Registered	74/694627	2056128	United States of America	Patient monitoring and measurement instruments for measurement of pulse rate, rhythm, blood pressure and oxygenation; and circuit boards used in such instruments
NEOMAX	Registered	78/273054	3335838	United States of America	Pulse oximetry sensors
NEOMODE	Registered	75/867730	2646365	United States of America	MEDICAL DEVICE, NAMELY, A RESPIRATORY THERAPY APPARATUS, VENTILATOR CONTROLS FOR VENTILATOR OPERATION WITH PREMATURELY BORN PATIENTS
OMNIFILTER	Registered	779880	1563215	United States of America	Filters for use in inhalation therapy equipment
OXICLIQ	Registered	74/276256	1795742	United States of America	Medical instruments; namely, apparatus for measurement of pulse rate and rhythm and of blood oxygen saturation and profusion
OXICLIQ	Registered	818209607	818209607	Brazil	
OXICLIQ	Registered	715523	450478	Canada	
OXICLIQ	Registered	MI95C000763	1140410	Italy	Medical apparatus and instruments; medical transducers; apparatus for measuring heart rate and rhythm; apparatus for measuring saturation and perfusion levels of oxygen in blood
OXICLIQ	Registered	1936245	1936245	Spain	
OXICLIQ	Registered	1516163	1516163	United Kingdom	Medical instruments for measurement of pulse rate and rhythm, and of blood saturation and profusion
OXIMAX	Registered	77/640795	3654217	United States of America	Patient monitoring and measurement instruments for measurement of pulse rate, rhythm, perfusion, and oxygenation; and circuit boards used in patient monitoring and measurement instruments; patient monitoring and measurement sensors for measurement of pulse rate, rhythm, perfusion, and oxygenation.
OXIMAX	Registered	3843406	3843406	European Community	Medical instrumentation; namely, monitors for monitoring patient monitors, oxygenation and/or pulse rate.
OXIMAX	Registered	75/641072	2643268	United States of America	MEDICAL INSTRUMENTATION; NAMELY, MONITORS FOR MONITORING PATIENT MONITORS, OXYGENATION AND/OR PULSE RATE
OXIMAX SPD	Registered	77/640800	3850846	United States of America	Computer software used with pulse oximeters to provide alerts

Trademark	Status	Application No.	Registration No.	Country	Goods
OXINET	Registered	76/198318	2573302	United States of America	Computer hardware, transmitting and receiving apparatus, and related computer software for the transmission and remote retrieval, display and processing of information from patient monitoring and measurement instruments at multiple sites
OXISENSOR	Registered	1477992	1477992	United Kingdom	Physiological monitoring and measurement apparatus
OXISENSOR	Registered	1936244	1936244	Spain	
OXISENSOR	Registered	74/256164	1771276	United States of America	Medical transducer; namely, an apparatus for a measurement of pulse rate and rhythm, and of blood oxygen saturation and perfusion
OXISENSOR	Registered	646480	646480	Australia	All goods in Class 10; medical transducers
OXISENSOR	Registered	818208929	818208929	Brazil	
OXISENSOR	Registered	689986	416959	Canada	
OXISENSOR	Registered	MI95C000764	1140411	Italy	
OXISENSOR	Registered	98702/1991	4223195	Japan	Diagnostic apparatus for medical purposes
OXISTREAM	Regist-TBA	78/486361	3088711	United States of America	Pulse oximetry data logging software program for patient data monitoring
OxyAlert NIRSensor	Registered	77424083	3549370	United States of America	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor
PB	Registered	RM2004C003641	1095767	Italy	Respiratory therapy products
PB	Registered	1903912	1903912	Spain	Apparatus and instruments for respiratory therapy products
PB PURITAN BENNETT & DESIGN	Registered	42613C/89	575837	Italy	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
PB PURITAN BENNETT & DESIGN	Registered	90-1689	211559	Korea, Republic of	Respiratory therapy ventilators.
PB PURITAN BENNETT & DESIGN	Registered	90.0281	146222	Norway	
PB PURITAN BENNETT & DESIGN	Registered	55606	55606	Panama	
PB PURITAN BENNETT & DESIGN	Registered	1542881	1542881	Spain	Apparatuses and instruments for respiratory therapy of patients, especially ventilators, oxygen concentrators, and accessories regarding.
PB PURITAN BENNETT & DESIGN	Registered	561/1990	378645	Switzerland	
PB PURITAN BENNETT & DESIGN	Registered	650357	392878	Canada	Respiratory therapy apparatus and products; namely, ventilators, oxygen supply systems and parts, components and accessories therefor, humidifiers, nebulizers, laryngoscopes, anesthesia and monitoring equipment, pulmonary function testing equipment, ambulatory electrocardiogram monitoring equipment, resuscitators, regulators, flowmeters, vibrator percussors and medical gases for respiratory use
PB PURITAN BENNETT & DESIGN	Registered		31053/75068	Costa Rica	
PB PURITAN BENNETT & DESIGN	Regist-TBA	P38957/10Wz	1166283	Germany	
PB PURITAN BENNETT & DESIGN	Registered	97159	97159	Greece	Patient respiratory therapy products; namely, ventilators, oxygen concentrators, and accessories therefor
PB PURITAN BENNETT & DESIGN	Registered	1879	64728	Guatemala	
PB PURITAN BENNETT & DESIGN	Registered	6107/88	802963	Hong Kong	Medical and respiratory apparatus and instruments; parts and fittings
PB PURITAN BENNETT & DESIGN	Registered	AM280/90	131180	Austria	
PB PURITAN BENNETT & DESIGN	Registered	738083	469877	Benelux	
PEDI-CAP	Registered	74/505755	1959274	United States of America	Medical device for measuring carbon dioxide in exhaled breath and attachments therefor for use in connection with pediatric and neonatal patients

Trademark	Status	Application No.	Registration No.	Country	Goods
PEDI-CAP	Registered	6-94757	3370160	Japan	Diagnostic instruments, therapeutic instruments
PEDICHECK	Registered	75/160962	2322053	United States of America	Medical instruments, namely, apparatus for measurement of blood constituents, pulse rate and rhythm and of blood oxygen saturation and perfusion and clips therefor
PMR	Registered	72/207524	794868	United States of America	Manually operated resuscitator
PTS2000	Registered	75/468563	2443030	United States of America	Medical equipment, namely, hardware and software for use in testing ventilatory and respiratory devices
PURITAN BENNETT	Pending	840205694		Brazil	
PURITAN BENNETT	Pending	10584647		Int'l Registration - Madrid Protocol Only	Computer hardware and software; downloadable instructional manuals; computer hardware and software and instructional manuals sold as a unit for medical clinic management, particularly for respiratory care and computer hardware and software used by physicians to take a patient's medical history, flag medical issues and recommend medical lab tests or medical procedures for patients; video monitors; printed circuit boards for use in oxygen saturation and monitoring equipment; recycled sensor cables; portable oxygen breathing apparatus particularly for employment in aircraft ; Surgical, medical, dental and veterinary apparatus and instruments; gas handling and administering equipment and components for respiration and resuscitation systems, namely, valves, masks, regulators, flow meters, humidifiers, and parts therefor; patient respiratory therapy products, namely, ventilators, oxygen supply systems, and accessories therefor, humidifiers, nebulizers, laryngoscopes, anesthesia and monitoring equipment, pulmonary function testers, and ambulatory electrocardiogram monitors, resuscitators, regulators, flowmeters, vibrator percussors and medical gases for respiratory use; oxygen masks; spirometers; filters for use in inhalation therapy equipment; ultrasound measuring device used to determine oxygen concentration of the air delivered to the patient by an oxygen concentrator; blood gas sensors and blood gas monitors; apnea monitors and accessories therefor; headgear for sleep apnea products; medical devices for measuring carbon dioxide in exhaled breath, and attachments therefor for use in connection with paediatric and neonatal patients; apparatus for processing signals and managing alarms when measuring pulse rate and rhythm, blood oxygen saturation and/or blood pressure, instruments for calibrating same, and sensors, cables, preamplifiers and accessories used with such apparatus; physiological data sensing, recording and monitoring apparatus for collecting cardio-respiratory and other physiological data; medical equipment for the acquisition, recording, processing and display of physiological data, namely, recorders, charters, and tape scanners; sensors used to measure respiration (breathing) for the diagnosis of sleep disorders, more particularly, airflow thermistors; veterinary instruments, namely, apparatus for measurement of blood constituents, pulse rate and rhythm, and of blood oxygen saturation and perfusion, and clips therefor; infant incubators and warmers; electronic patient monitoring and control equipment, namely, heart and respiration monitoring equipment and skin temperature monitoring and control equipment; electronic patient environment monitoring and control equipment, namely, temperature and oxygen monitoring and control equipment; all of which monitoring and control equipment for use with and without incubators and warmers; patient monitoring and measurement instruments and accessories therefor ; Medical services;

Trademark	Status	Application No.	Registration No.	Country	Goods
					veterinary services; rental of medical apparatus and instruments
					Computer hardware and software; downloadable instructional manuals; computer hardware and software and instructional manuals sold as a unit for medical clinic management, particularly for respiratory care and computer hardware and software used by physicians to take a patient's medical history, flag medical issues and recommend medical lab tests or medical procedures for patients; video monitors; printed circuit boards for use in oxygen saturation and monitoring equipment; recycled sensor cables; portable oxygen breathing apparatus particularly for employment in aircraft in Class 9.; Surgical, medical, dental and veterinary apparatus and instruments; gas handling and administering equipment and components for respiration and resuscitation systems, namely, valves, masks, regulators, flow meters, humidifiers, and parts therefor; patient respiratory therapy products, namely, ventilators, oxygen supply systems, and accessories therefor, humidifiers, nebulizers, laryngoscopes, anesthesia and monitoring equipment, pulmonary function testers, and ambulatory electrocardiogram monitors, resuscitators, regulators, flowmeters, vibrator percussors and medical gases for respiratory use; oxygen masks; spirometers; filters for use in inhalation therapy equipment; ultrasound measuring device used to determine oxygen concentration of the air delivered to the patient by an oxygen concentrator; blood gas sensors and blood gas monitors; apnea monitors and accessories therefor; headgear for sleep apnea products; medical devices for measuring carbon dioxide in exhaled breath, and attachments therefor for use in connection with paediatric and neonatal patients; apparatus for processing signals and managing alarms when measuring pulse rate and rhythm, blood oxygen saturation and/or blood pressure, instruments for calibrating same, and sensors, cables, preamplifiers and accessories used with such apparatus; physiological data sensing, recording and monitoring apparatus for collecting cardio-respiratory and other physiological data; medical equipment for the acquisition, recording, processing and display of physiological data, namely, recorders, charters, and tape scanners; sensors used to measure respiration (breathing) for the diagnosis of sleep disorders, more particularly, airflow thermistors; veterinary instruments, namely, apparatus for measurement of blood constituents, pulse rate and rhythm, and of blood oxygen saturation and perfusion, and clips therefor; infant incubators and warmers; electronic patient monitoring and control equipment, namely, heart and respiration monitoring equipment and skin temperature monitoring and control equipment; electronic patient environment monitoring and control equipment, namely, temperature and oxygen monitoring and control equipment; all of which monitoring and control equipment for use with and without incubators and warmers; patient monitoring and measurement instruments and accessories therefor in Class 10.; Medical services; veterinary services; rental of medical apparatus and instruments.
PURITAN BENNETT	Registered	010584647	10584647	European Community	
PURITAN BENNETT	Pending	1587064		Canada	Respiratory therapy apparatus and products, namely, ventilators, oxygen supply systems and parts, components and accessories therefor, humidifiers, nebulizers, laryngoscopes, anesthesia and monitoring equipment, pulmonary function testing equipment, ambulatory

Trademark	Status	Application No.	Registration No.	Country	Goods
					electrocardiogram monitoring equipment, resuscitators, regulators, flowmeters, vibrator percussors and medical gases for respiratory use.
PURITAN BENNETT	Pending	1294562		Mexico	SURGICAL, MEDICAL, DENTAL AND VETERINARY APPARATUS AND INSTRUMENTS, GAS HANDLING AND ADMINISTRATION EQUIPMENT AND COMPONENTS FOR RESPIRATION AND RESUSCITATION SYSTEMS, NAMELY, VALVES, MASKS, REGULATORS, FLOW METERS, HUMIDIFIERS, AND PARTS THEREFORE; PATIENT RESPIRATORY THERAPY PRODUCTS, NAMELY, VENTILATORS, OXYGEN SUPPLY SYSTEMS, AND ACCESSORIES THEREFORE, HUMIDIFIERS, NEBULIZERS, LARYNGOSCOPES, ANESTHESIA AND MONITORING EQUIPMENT, PULMONARY FUNCTION TESTERS, AND EMBULATORY ELECTROCARDIOGRAM MONITORS, RESUSCITATORS, REGULATORS, FLOWMETERS, VIBRATOR PERCUSSORS AND MEDICAL GASES FOR RESPIRATORY USE; OXYGEN MASKS; SPIROMETERS; FILTERS FOR USE IN INHALATION THERAPY EQUIPMENT; ULTRASOUND MEASURING DEVICE USED TO DETERMINE OXYGEN CONCENTRATION OF THE AIR DELIVERED TO THE PATIENT BY AN OXYGEN CONCENTRATOR; BLOOD GAS SENSORS AND BLOOD GAS MONITORS; APNEA MONITORS AND ACCESSORIES THEREFORE; HEADGEAR FOR SLEEP APNEA PRODUCTS; MEDICAL DEVICES FOR MEASURING CARBON DIOXIDE IN EXHALED BREATH, AND ATTACHMENTS THEREFORE FOR USE IN CONNECTION WITH PEDIATRIC AND NEONATAL PATIENTS; APPARATUS FOR PROCESSING SIGNALS AND MANAGING ALARMS WHEN MEASURING PULSE RATE AND RHYTHM, BLOOD OXYGEN SATURATION AND/OR BLOOD PRESSURE, INSTRUMENTS FOR CALIBRATING SAME, AND SENSORS, CABLES, PREAMPLIFIERS AND ACCESSORIES USED WITH SUCH APPARATUS; PHYSIOLOGICAL DATA SENSING, RECORDING AND MONITORING APPARATUS FOR COLLECTING CARDIO-RESPIRATORY AND OTHER PHYSIOLOGICAL DATA; MEDICAL EQUIPMENT FOR THE ACQUISITION, RECORDING, PROCESSING AND DISPLAY OF PHYSIOLOGICAL DATA, NAMELY, RECORDERS, CHARTERS, AND TAPE SCANNERS; SENSORS USED TO MEASURE RESPIRATION (BREATHING) FOR THE DIAGNOSIS OF SLEEP DISORDERS, MORE PARTICULARLY, AIRFLOW THERMISTORS; VETERINARY INSTRUMENTS, NAMELY, APPARATUS FOR MEASUREMENT OF BLOOD CONSTITUENTS, PULSE RATE AND RHYTHM, AND OF BLOOD OXYGEN SATURATION AND PERFUSION, AND CLIPS THEREFORE; INFANT INCUBATORS AND WARMERS; ELECTRONIC PATIENT MONITORING AND CONTROL EQUIPMENT, NAMELY, HEART AND RESPIRATION MONITORING EQUIPMENT AND SKIN TEMPERATURE MONITORING AND CONTROL EQUIPMENT; ELECTRONIC PATIENT ENVIRONMENT MONITORING AND CONTROL EQUIPMENT, NAMELY, TEMPERATURE AND OXYGEN MONITORING AND CONTROL EQUIPMENT; ALL OF WHICH MONITORING AND CONTROL EQUIPMENT FOR USE WITH AND WITHOUT INCUBATORS AND WARMERS; PATIENT MONITORING AND MEASUREMENT INSTRUMENTS AND ACCESSORIES THEREFORE IN CLASS 10.
PURITAN BENNETT	Registered	77/654545	4038907	United States of America	Rental of medical equipment
PURITAN BENNETT	Registered	75/786546	2387643	United States of America	Patient Respiratory therapy products - namely, ventilators, oxygen concentrators, and accessories thereof
RE/FLEX	Registered	74/508702	2125900	United States of America	Bacterial filters for use in respiratory therapy equipment
REFLECTING THE COLOR	Regist-TBA	78692359	3203591	United States of	Medical equipment, namely, a bioelectronic

Trademark	Status	Application No.	Registration No.	Country	Goods
OF LIFE				America	spectrophotometric instrument for measuring the electrical impedance of biological tissues
RENAISSANCE	Regist-TBA	74/176663	1779592	United States of America	Spirometers
SATSECONDS	Registered	78/843345	3239251	United States of America	Computer software used with pulse oximeters to process signals and manage alarms when measuring blood oxygen saturation.
SCR	Registered	77571325	3681250	United States of America	Downloadable electronic newsletters in the medical field; Printed newsletters in the medical field; Providing newsletters in the medical field via email
SCR & Design	Registered	77571226	3677696	United States of America	downloadable electronic newsletters in the medical field; printed newsletters in the medical field; providing newsletters in the medical field via email
SEALGUARD	Registered	77/680508	3679698	United States of America	Endotracheal tubes
SEALGUARD	Published	8312175		European Community	Endotracheal tubes
SEALGUARD EVAC	Registered	77/680510	3679699	United States of America	Endotracheal tubes
SNUG FIT	Regist-TBA	74/338534	1838489	United States of America	Headgear for sleep apnea products
SOFTCARE	Registered	78/054275	2832981	United States of America	Medical oxygen transducer, namely an apparatus for a measurement of pulse rate and rhythm and of blood oxygen saturation and perfusion
SOMANETICS	Registered	73421958	1315595	United States of America	Medical tissue examination apparatus utilizing light transmissibility characteristics
SOMASENSOR	Registered	74222998	1706519	United States of America	Bioelectronic apparatus; namely, spectrophotometric sensor units for use in conducting patient examinations
TAPERGUARD	Registered	009789603	009789603	European Community	Surgical and medical apparatus and instruments; tracheal tubes; endotracheal tubes; tracheostomy apparatus and instruments
TAPERGUARD	Registered	77/122010	3742753	United States of America	Endotracheal tubes
TAPERGUARD EVAC	Registered	77/122017	3742754	United States of America	Endotracheal tubes
VITAL SYNC	Registered	77692017	3936228	United States of America	Medical data integration system comprised of computer hardware and software for management of medical and patient information
VV+	Registered	78/132688	2887494	United States of America	Medical ventilators
WINDOW TO THE BRAIN	Registered	74310323	1853016	United States of America	Bioelectronic apparatus; namely, cerebral oximeters
ZIPPREP	Registered	1575989	1575989	United Kingdom	Medical apparatus and instruments; electroencephalographs and electrocardiographs; electrodes and sensors for electroencephalographs and electrocardiographs, parts and fittings for all the aforesaid goods
ZIPPREP	Registered	74/355162	2032419	United States of America	EEG electrodes
ZIPPREP	Registered	633957	633957	Australia	EEG and ECG electrodes and sensors; and all other goods in this class
ZIPPREP	Registered	000297853	297853	European Community	Electrodes and sensors for electroencephalographs and electrocardiographs; parts and fittings for all the aforesaid goods
ZIPPREP	Registered	203597	501063	Mexico	EEG and ECG electrodes and sensors
PB	Registered	829400	556062	Benelux	Respiratory therapy products
PB	Registered	94/025752	166848	Colombia	Respiratory therapy apparatus
PB	Registered	74575	74575	Dominican Republic	
PB	Registered	47507	2276	Ecuador	Respiratory therapy products
PB	Registered	3716/1994	421672	Switzerland	Respiratory therapy products
PB	Registered	212499	479827	Mexico	Respiratory therapy products
PB	Registered	301165	301165	Portugal	Respiratory therapy products
PB	Regist-TBA	269951	369534	Uruguay	Respiratory therapy products

Trademark	Status	Application No.	Registration No.	Country	Goods
PB	Registered	39514219.9	39514219	Germany	MEDICAL APPARATUS FOR INHALATORY AND RESPIRATORY THERAPY, NAMELY VENTILATORS, OXYGEN SUPPLY APPARATUS, HUMIDIFIERS, NEBULIZERS, LARYNGOSCOPES, ANAESTHESIA AND MONITORING APPARATUS, PULMONARY FUNCTION TESTER, AMBULATORY ELECTROCARDIOGRAM MONITORS, RESUSCITATORS, REGULATORS, FLOW METERS, VIBRATOR PRECUSSERS, MEDICAL GASES FOR USE IN INHALATORY AND RESPIRATORY THERAPY.
PB	Registered	817874089	817874089	Brazil	Respiratory therapy products
PB	Registered	119054	119054	Greece	Respiratory therapy products
PB	Registered	94/3129	175976	Norway	Medical apparatus and insruments for respiratory therapy products
PB	Registered	009282	009282	Peru	Respiratory therapy products
PB PURITAN BENNETT & DESIGN	Registered	90-00524	232605	Sweden	
PB PURITAN BENNETT & DESIGN	Registered	1358444	1358444	United Kingdom	Respiratory therapy products included in Class 10
PB PURITAN BENNETT & DESIGN	Registered	19499	5135	Ecuador	Respiratory therapy products
PB PURITAN BENNETT & DESIGN	Registered	6797/89	136858	Ireland	Respiratory therapy products
PB PURITAN BENNETT & DESIGN	Registered	150867/1989	2370742	Japan	
PB PURITAN BENNETT & DESIGN	Regist-TBA	1733523	1962410	Argentina	Respiratory therapy products
PB PURITAN BENNETT & DESIGN	Registered	815492537	815492537	Brazil	Patient respiratory therapy products - namely, ventilators, oxygen concentrators, and accessories therefor
PB PURITAN BENNETT & DESIGN	Registered	93066015	726013	China (People's Republic)	Respiratory therapy apparatus and products
PB PURITAN BENNETT & DESIGN	Registered	323595	142352	Colombia	Patient respiratory therapy products - namely, ventilators, oxygen concentrators, and accessories therefor
PB PURITAN BENNETT & DESIGN	Registered	9398/89	VR 1993 08739	Denmark	Patient respiratory therapy products - namely, ventilators, oxygen concentrators, and accessories therefor
BRAINSENSOR SOMASENSOR	Registered	2007-0056941	40-0763751	Korea, Republic of	Arterial blood pressure measuring apparatus
INVOS	Registered		006751952	European Community	Spectrophotometric instruments for laboratory use.; Spectrophotometric instruments adapted for direct application to the human body.
INVOS	Registered	40-2007-0050301	40-0770484	Korea, Republic of	Medical device
INVOS	Registered	812766	812766	New Zealand	Laboratory equipment in this class including spectrophotometric instruments for laboratory use; surgical, medical and dental apparatus and instruments; spectrophotometric instruments adapted for direct application to the human body
INVOS	Registered	2005-047118	4923825	Japan	Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life-saving and teaching apparatus and instruments; apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling electricity; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording discs; automatic vending machines and mechanisms for coin operated apparatus; cash registers, calculating machines, data processing equipment and computers; fire extinguishing apparatus.; Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
INVOS	Registered	1048477	1163099	Mexico	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and tetth, orthopedic articles; suture materials, namely spectrophotometric

Trademark	Status	Application No.	Registration No.	Country	Goods
					instruments adapted for the direct application to the human body.
INVOS	Registered	301305530	301305530	Hong Kong	Spectrophotometric instruments adapted for direct application to the human body; surgical, medical, dental and veterinary apparatus and instruments
INVOS	Registered	145127600	TMA774236	Canada	Spectrophotometric instruments for laboratory use, namely for measuring oxygen levels; spectrophotometric instruments adapted for direct application to the human body, namely medical devices for measuring blood oxygen levels. Spectrophotometric instruments for laboratory use; spectrophotometric instruments adapted for direct application to the human body.
INVOS	Registered	6956905	6956905	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipment)
INVOS	Registered	1320954	1320954	Australia	Scientific apparatus and instruments including spectrophotometric instruments for laboratory use; Medical apparatus and instruments including spectrophotometric instruments adapted for direct application to the human body
INVOS (transliteration)	Registered	301307060	301307060	Hong Kong	Spectrophotometric instruments adapted for direct application to the human body; surgical, medical, dental and veterinary apparatus and instruments
INVOS in Chinese characters	Registered	6956904	6956904	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipment)
OxyAlert	Pending	1753935		India	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor.
OxyAlert	Registered	77/358382	3549227	United States of America	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor
OxyAlert	Registered	1320955	1320955	Australia	Medical apparatus, instruments and devices including a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor
OxyAlert	Registered	812767	812767	New Zealand	Surgical, medical and dental apparatus and instruments; medical devices, including a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor; Surgical, medical and dental apparatus and instruments; medical devices, including a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor
OxyAlert	Registered	1048476	1163098	Mexico	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials, including a medical device, namely, a sensor using a near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor.
OxyAlert	Registered	301305549	301305549	Hong Kong	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor; surgical, medical, dental and veterinary apparatus and instruments
OxyAlert	Registered	6956903	6956903	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipment)
OxyAlert	Registered	140046200	TMA763691	Canada	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic

Trademark	Status	Application No.	Registration No.	Country	Goods
					articles; suture materials.
OXYALERT (Stylized)	Registered	006752059	006752059	European Community	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor
OXYALERT (transliteration)	Registered	301307079	301307079	Hong Kong	Medical device, namely, a sensor using near-infrared spectroscopy to monitor an individual's regional hemoglobin oxygen saturation in the blood of the brain or in a region of skeletal muscle tissue beneath the sensor; surgical, medical, dental and veterinary apparatus and instruments
OXYALERT in Chinese characters	Registered	6956902	6956902	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipment)
SCR	Registered	143102600	TMA775749	Canada	Downloadable electronic newsletters in the medical field; printed newsletters in the medical field. Providing newsletters in the medical field via email.
SCR	Registered	008159311	008159311	European Community	Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life-saving and teaching apparatus and instruments; apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling electricity; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording discs; automatic vending machines and mechanisms for coin operated apparatus; cash registers, calculating machines, data processing equipment and computers; fire extinguishing apparatus.; Paper, cardboard and goods made from these materials, not included in other classes; Printed matter; bookbinding material; photographs; stationery; adhesives for stationery or household purposes; artists' materials; paint brushes; typewriters and office requisites (except furniture); instructional and teaching material (except apparatus); plastic materials for packaging (not included in other classes); printers' type; printing blocks.; Education; providing of training; entertainment; sporting and cultural activities.
SCR & Design	Registered	143102500	TMA775752	Canada	Downloadable electronic newsletters in the medical field; printed newsletters in the medical field.; Eproviding newsletters in the medical field via email.
SCR & Design	Registered	008159411	008159411	European Community	Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life-saving and teaching apparatus and instruments; apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling electricity; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording discs; automatic vending machines and mechanisms for coin operated apparatus; cash registers, calculating machines, data processing equipment and computers; fire extinguishing apparatus.; Paper, cardboard and goods made from these materials, not included in other classes; Printed matter; bookbinding material; photographs; stationery; adhesives for stationery or household purposes; artists' materials; paint brushes; typewriters and office requisites (except furniture); instructional and teaching material (except apparatus); plastic materials for packaging (not included in other classes); printers' type; printing blocks.; Education; providing of training; entertainment; sporting and cultural activities.
SOMANETICS	Registered	40-2007-0050302	40-0770495	Korea, Republic of	Medical device
SOMANETICS	Registered	1753936	1753936	India	Medical tissue examination apparatus utilizing light transmissibility characteristics

Trademark	Status	Application No.	Registration No.	Country	Goods
SOMANETICS	Registered	1268064	1268064	United Kingdom	Surgical, medical and dental apparatus and instruments; diagnostic apparatus and instruments for in vivo use; parts and fittings included in class 10 for all the aforesaid goods
SOMANETICS	Registered	1320956	1320956	Australia	Medical and surgical apparatus including medical tissue examination apparatus utilizing light transmissibility characteristics.
SOMANETICS	Registered	812765	812765	New Zealand	Surgical, medical and dental apparatus and instruments; medical tissue examination apparatus utilizing light transmissibility characteristics
SOMANETICS	Registered	1986/05208	205384	Sweden	Medical diagnostic equipment, being apparatus for analysis of textiles
SOMANETICS	Registered	P-347802	347802	Switzerland	Medical diagnostic equipment
SOMANETICS	Registered	S61-073122	2148979	Japan	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth; orthopedic articles; suture materials.
SOMANETICS	Registered	1048478	1163100	Mexico	Surgical, medical, dental and veterinary apparatus and instruments, artificial limbs, eyes and teeth, orthopedic articles; suture materials, namely medical tissue examination apparatus utilizing light transmissibility characteristics
SOMANETICS	Registered	MI/2006/8662	1211520	Italy	Apparatus and surgical instruments; medical, dental veterinary, limbs, eyes and artificial teeth; orthopaedic articles; suture materials
SOMANETICS	Registered	VA0043711986	VR0003491988	Denmark	Medical textile investigations machine, that do use of woven varying candles transmission properties
SOMANETICS	Registered	96657056	96657056	France	Medical diagnostic equipment (medical apparatus examination of tissue using characteristics transmissibility of light)
SOMANETICS	Registered	S43529	1105247	Germany	Medical equipment and instruments for diagnostic, medical equipment and instruments for fabrics testing
SOMANETICS	Registered	301305521	301305521	Hong Kong	Medical tissue examination apparatus utilizing light transmissibility characteristics; surgical, medical, dental and veterinary apparatus and instruments
SOMANETICS	Registered	6956907	6956907	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipments)
SOMANETICS	Registered	2161/86	114455	Austria	Diagnostics equipment for medical use, medical apparatus for examination fabrics
SOMANETICS	Registered	685274	R420800	Benelux	Medical diagnostic apparatus (arrangement for medical fabric research under use of light transmission properties).
SOMANETICS	Registered	056635900	TMA334655	Canada	Medical tissue examination equipment utilizing light transmissibility characteristics
SOMANETICS	Registered	006751853	006751853	European Community	Instruments for laboratory use.; Medical tissue examination apparatus utilizing light transmissibility characteristics; Research and development, design, engineering and marketing of medical monitoring equipment
SOMANETICS (transliteration)	Registered	301307051	301307051	Hong Kong	Medical tissue examination apparatus utilizing light transmissibility characteristics; surgical, medical, dental and veterinary apparatus and instruments
SOMANETICS in Chinese characters	Registered	6956906	6956906	China (People's Republic)	Surgical and veterinary apparatus and instruments (not include electrical ones and medical x-ray equipment)
SOMASENSOR	Registered	40-2007-0050300	40-0770494	Korea, Republic of	Medical device
VITAL SYNC	Registered	812706	812706	New Zealand	Medical data integration system comprised of computer hardware and software for management of medical and patient information
VITAL SYNC	Registered	1048475	1170675	Mexico	Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life-saving and teaching apparatus and instruments; apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling electricity; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording discs; automatic

Trademark	Status	Application No.	Registration No.	Country	Goods
					vending machines and mechanisms for coin operated apparatus; cash registers, calculating machines, data processing equipment and computers; fire extinguishing apparatus.
VITAL SYNC	Registered	2009-070562	5329988	Japan	Computer hardware and software for management of medical and patient information
VITAL SYNC	Published	144038000		Canada	Medical data integration system comprised of computer hardware and software for management of medical and patient information
VITAL SYNC	Registered	008342305	008342305	European Community	Medical data integration system comprised of computer hardware and software for management of medical and patient information
VITAL SYNC	Registered		1320953	Australia	Computer hardware and software for management and storage of data; medical data integration system comprised of computer hardware and software for management of medical and patient information

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Nellcor Puritan Bennett LLC

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 29, 2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Covidien LP

Internal Address: _____

Street Address: 15 Hampshire Street

City: Mansfield

State: MA

Country: US Zip: 02048

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

Attached

Attached

Additional numbers attached? ☒ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Covidien LP

Internal Address: ATTN: IP Legal

Street Address: 6135 Gunbarrel Avenue

City: Boulder

State: CO Zip: 80301

Phone Number: 303-305-2400

Docket Number: N/A

Email Address: ip.legal@covidien.com

6. Total number of applications and patents involved: 45

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1800.00

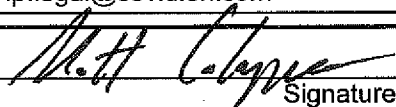
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