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02-08-2000



FORM PTO-1594 (Rev 5-93)

101261068

ER SHEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): ASPECT MEDICAL SYSTEMS, INC.</p> <p>Individual(s) citizenship: Association: General Partnership: Limited Partnership: Corporation - State: DELAWARE Other:</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of Conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input checked="" type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: December 10, 1999</p>	<p>2. Name and address of receiving party(ies): Name: IMPERIAL BANK Address: 226 AIRPORT PARKWAY City: SAN JOSE State: CA Zip: 95110</p> <p>Individual(s) citizenship: Association: General Partnership: Limited Partnership: Corporation - State: Other: a California chartered bank</p> <p>If assignee is not domiciled in the United States, a domestic representative designation is attached: <input type="checkbox"/> Yes <input type="checkbox"/> No (Designations must be a separate document from assignment) Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or trademark number(s):	
A. Trademark Application No.(s) 75/712,953	B. Trademark Registration No.(s) 2,229,390 2,226,559 2,226,557 2,229,392 2,226,558 2,229,389 2,032,419
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Erin O'Brien Internal Address: GRAY CARY WARE & FREIDENRICH 401 B Street, Suite 1700 San Diego, California 92101-4297</p>	<p>6 Total number of applications and registrations involved: 8</p> <hr/> <p>7. Total fee (37 CFR 3.41) \$215.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <hr/> <p>8. Deposit account number: 07-1907</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Erin O'Brien		January 10, 2000
Name of Person Signing	Signature	Date

Total number of pages comprising cover sheet: 27

Mail Documents to be recorded with required cover sheet information to:
U.S. Patent and Trademark Office, Office of Public Records
1213 Jefferson Davis Highway, 3rd Floor
Arlington, VA 22202

02/07/2000 TTM11 00000230 071907 2229390

01 FC:481 40.00 CH
02 FC:482 175.00 CH

SD\1332477.1
1090371-921300

TRADEMARK
REEL: 002018 FRAME: 0078

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of December 10, 1999 by and between IMPERIAL BANK ("Bank") and ASPECT MEDICAL SYSTEMS, INC., a Delaware corporation ("Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Bank and Grantor, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Schedules A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

2 Vision Drive
Natick, MA 01760-2059

Attn: Neal Armstrong

ASPECT MEDICAL SYSTEMS, INC.

By: Neal Armstrong

Title: V.P. + C.F.O.

BANK:

IMPERIAL BANK

Address of Bank:

226 Airport Parkway
San Jose, CA 95110-1024

Attn: Corporate Banking Center

By: Karen Duman

Title: Vice President

EXHIBIT A

Copyrights

Description

Registration
Number

Registration
Date

<u>Title</u>	<u>Registration Number</u>	<u>Registration Date</u>
BIS MONTAGE		submitted on 05/36/99
BIS RANGE GUIDELINES	TX 4-900-007	12/04/98
BIS RANGE GUIDELINES AND USING BIS booklet		submitted on 09/08/99

EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
Electrode connector system	5,813,404	09/29/98
Method and system for the extraction of cardiac artifacts from eeg signals	5,792,069	08/11/98
Cerebral biopotential analysis system and method	5,458,117	10/17/95
Monitor and method for acquiring and processing electrical signals relating to bodily functions	5,381,804	01/17/95
Monitor and method for acquiring and processing electrical signals relating to bodily functions	5,368,041	11/29/94
Cerebral biopotential analysis system and method	5,320,109	06/14/94
Disposable, pre-gelled, self-prepping electrode	5,305,746	04/26/94
	08/320,191	10/07/94
	08/730,638	10/11/96
	09/016,104	01/30/98

ASPECT MEDICAL SYSTEMS, INC. PATENTS

PATENT NUMBER	ISSUE DATE	COUNTRY	TITLE
653318	03/13/90	AUSTRALIA	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
638708	03/13/90	AUSTRALIA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
678176	09/23/93	AUSTRALIA	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
0468999	03/13/90	AUSTRIA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0489010	03/13/90	AUSTRIA	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0610365	10/23/92	AUSTRIA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	AUSTRIA	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
0468999	03/13/90	BELGIUM	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0489010	3/13/90	BELGIUM	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0610365	10/23/92	BELGIUM	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	BELGIUM	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
2064791	03/13/90	CANADA	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0468999	03/13/90	FRANCE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0489010	03/13/90	FRANCE	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0610365	10/23/92	FRANCE	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	FRANCE	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
DE 69031118			CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM

PATENT NUMBER	ISSUE DATE	COUNTRY	TITLE
(0468999)	03/13/90	GERMANY	AND METHOD
DE 69032771 (0489010)	03/13/90	GERMANY	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
DE _____ (0610365)	10/23/92	GERMANY	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	GERMANY	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
0468999	03/13/90	GREAT BRITAIN	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0489010	03/13/90	GREAT BRITAIN	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0610365	10/23/92	GREAT BRITAIN	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	GREAT BRITAIN	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
0468999	03/13/90	SWITZERLAND	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0489010	3/13/90	SWITZERLAND	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0610365	10/23/92	SWITZERLAND	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
0898234	09/24/98	SWITZERLAND	METHOD AND SYSTEM FOR GENERATING A DIAGNOSTIC INDEX
4907597+	03/13/90	UNITED STATES	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
4924875+	05/15/90	UNITED STATES	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
5010891+	04/30/91	UNITED STATES	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
5020540+	06/04/91	UNITED STATES	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
5320109	06/14/94	UNITED STATES	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
5381804	01/17/95	UNITED STATES	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS

PATENT NUMBER	ISSUE DATE	COUNTRY	TITLE
5305746	04/26/94	UNITED STATES	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
5368041*	11/29/94	UNITED STATES	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS
5458117	10/17/95	UNITED STATES	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
5792069	08/11/98	UNITED STATES	METHOD AND SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
5813404	09/29/98	UNITED STATES	ELECTRODE CONNECTOR SYSTEM

+ Vikas Saini has alleged that he should be listed as an inventor on one or more of these patents. The Company is currently investigating these allegations.

* Licensed to Aspect Medical Systems, Inc. from Siemens Medical Systems, Inc.

ASPECT MEDICAL SYSTEMS, INC. PATENT APPLICATIONS

SERIAL NUMBER	FILING DATE	COUNTRY	TITLE
75171/96	10/18/96	AUSTRALIA	ELECTRODE CONNECTOR SYSTEM
49082/97	10/10/97	AUSTRALIA	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
56150/98	12/19/97	AUSTRALIA	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
_____	01/25/99	AUSTRALIA	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
2123807	09/23/93	CANADA	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
2122032	10/23/92	CANADA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
2146979	10/13/93	CANADA	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS
2051683	03/13/90	CANADA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
2191594	06/08/95	CANADA	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
2235317	10/18/96	CANADA	ELECTRODE CONNECTOR SYSTEM
2268483	10/10/97	CANADA	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
2275901	12/19/97	CANADA	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
2285354	01/25/99	CANADA	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
92922952.4	10/23/92	EPO	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
93921721.2	09/23/93	EPO	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
93923860.6	10/13/93	EPO	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS

SERIAL NUMBER	FILING DATE	COUNTRY	TITLE
95922265.4	06/08/95	EPO	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
96110142.5	10/13/93	EPO	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS
96937692.0	10/18/96	EPO	ELECTRODE CONNECTOR SYSTEM
97911789.2	10/10/97	EPO	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
97952570.6	12/19/97	EPO	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
99903375.6	01/25/99	EPO	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
06-509165	09/23/93	JAPAN	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
8-501313	06/08/95	JAPAN	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
02-504848	03/13/90	JAPAN	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
05-507930	10/23/92	JAPAN	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
02-505692	03/13/90	JAPAN	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
09-515970	10/18/96	JAPAN	ELECTRODE CONNECTOR SYSTEM
10-518626	10/10/97	JAPAN	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
10-529004	12/19/97	JAPAN	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
_____	01/25/99	JAPAN	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
US92/09074	10/23/92	PCT	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
US90/01378	03/13/90	PCT	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
US90/01385	03/13/90	PCT	CARDIAC BIOPOTENTIAL ANALYSIS SYSTEM

SERIAL NUMBER	FILING DATE	COUNTRY	TITLE
			AND METHOD
US93/09029	09/23/93	PCT	DISPOSABLE, PRE-GELLED, SELF-PREPPING ELECTRODE
US93/09763	10/13/93	PCT	MONITOR AND METHOD FOR ACQUIRING AND PROCESSING ELECTRICAL SIGNALS RELATING TO BODILY FUNCTIONS
US95/07310	06/08/95	PCT	CEREBRAL BIOPOTENTIAL ANALYSIS SYSTEM AND METHOD
US96/16596	10/18/96	PCT	ELECTRODE CONNECTOR SYSTEM
US97/18833	10/10/97	PCT	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
US97/23624	12/19/97	PCT	SYSTEM FOR THE EXTRACTION OF CARDIAC ARTIFACTS FROM EEG SIGNALS
US99/01544	01/25/99	PCT	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
US99/13849	06/18/99	PCT	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION
US99/17688	08/04/99	PCT	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING
08/730638	10/11/96	UNITED STATES	ELECTRODE ARRAY SYSTEM FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS
09/100290	06/19/98	UNITED STATES	ELECTRODE FOR MEASURING ELECTROPHYSIOLOGICAL SIGNALS USING LIQUID ELECTROLYTIC GEL WITH A HIGH SALT CONCENTRATION
09/016104	01/30/98	UNITED STATES	SYSTEM AND METHOD FOR ENHANCING AND SEPARATING BIOPOTENTIAL SIGNALS
09/135931	08/18/98	UNITED STATES	SYSTEM AND METHOD FOR FACILITATING CLINICAL DECISION MAKING
09/162025	09/28/98	UNITED STATES	ELECTRODE CONNECTOR SYSTEM
09/328945	06/09/99	UNITED STATES	A SMART ELECTROPHYSIOLOGICAL SENSOR SYSTEM WITH AUTOMATIC AUTHENTICATION AND VALIDATION

C:\TEMP\PATENTS LIST.DOC/12/6/99

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/Application Number</u>	<u>Registration/Application Date</u>
BIS	2,229,390	03/02/99
BIS	2,226,559	02/23/99
BIS	2,226,557	02/23/99
BIS	2,229,392	03/02/99
Bispectral Index	2,226,558	02/23/99
Bispectral Index	2,229,389	03/02/99
Aspect	1,932,423	11/07/95
Zipprep	2,032,419	01/21/97
Bis Plus (and Design)	75,712,953	05/24/99

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

<u>MARK</u>	<u>SERIAL NO.</u>	<u>FILING DATE</u>	<u>COUNTRY</u>
BIS	841586	04/08/97	Canada
BIS	970077905	07/28/97	China
BIS	754929	04/10/97	India
BIS	754928	04/10/97	India
BIS	9-104830	04/08/97	Japan
BIS	291654	04/08/97	Mexico
BIS and design	841588	04/08/97	Canada
BIS and design	970077907	07/28/97	China
BIS and design	504332	04/08/97	European Community
BIS and design	754931	04/10/97	India
BIS and design	754930	04/10/97	India
BIS and design	9-104831	04/08/97	Japan
BIS PLUS logo		10/22/99	European Community
BIS PLUS logo		11/02/99	Japan
BIS PLUS logo	75/712953	05/24/99	United States
BISPECTRAL INDEX	791834	04/21/99	Australia
BISPECTRAL INDEX	841587	04/08/97	Canada
BISPECTRAL INDEX	754932	04/10/97	India
BISPECTRAL INDEX	754933	04/10/97	India
ZIPPREP	633985	07/15/94	India

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>
ASPECT*	1932423	11/07/95	United States
BIS	731547	04/08/97	Australia
BIS	1237474	01/07/99	China
BIS	504340	10/29/98	European Community
BIS	559963	09/30/97	Mexico
BIS	428/51	03/08/98	Saudi Arabia
BIS	428/52	03/08/98	Saudi Arabia
BIS	2229390	03/02/99	United States
BIS	2226559	02/23/99	United States
BIS and design	731546	10/08/96	Australia
BIS and design	1237475	01/07/99	China
BIS and design	556233	08/27/97	Mexico
BIS and design	558374	09/22/97	Mexico
BIS and design	428/53	04/09/97	Saudi Arabia
BIS and design	428/54	04/09/97	Saudi Arabia
BIS and design	2229392	03/02/99	United States
BIS and design	2226557	02/23/99	United States
BISPECTRAL INDEX	1229054	12/7/98	China
BISPECTRAL INDEX	1219345	10/28/98	China
BISPECTRAL	504233	04/08/97	European

* Trademark owned by Aspect Electronics, Inc. and licensed to Aspect Medical Systems.

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>
INDEX			Community
BISPECTRAL INDEX	4181898	04/28/98	Japan
BISPECTRAL INDEX	599964	09/30/97	Mexico
BISPECTRAL INDEX	599965	09/30/97	Mexico
BISPECTRAL INDEX	428/50	03/08/98	Saudi Arabia
BISPECTRAL INDEX	2226558	02/23/99	United States
BISPECTRAL INDEX	2229389	03/02/99	United States
ZIPPREP	A633957	07/04/94	Australia
ZIPPREP	555286	06/22/94	Benelux
ZIPPREP	818036346	09/10/96	Brazil
ZIPPREP	505106	12/4/98	Canada
ZIPPREP	872161	09/21/96	China
ZIPPREP	297853	12/3/98	European Community
ZIPPREP	94525823	06/22/94	France
ZIPPREP	2095913	05/09/95	Germany
ZIPPREP	3310703	05/23/97	Japan
ZIPPREP	501063	06/29/94	Mexico
ZIPPREP	332/43	02/20/95	Saudi Arabia
ZIPPREP	1912152	07/05/95	Spain
ZIPPREP	265621	03/31/95	Sweden
ZIPPREP	1575989	06/21/94	United

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>
			Kingdom
ZIPREP	2032419	01/21/97	United States

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

MARK	SERIAL NO.	FILING DATE	COUNTRY	GOODS	STATUS
BIS	841586	04/08/97	Canada	Corresponds to United States registrations 2229390 and 2226559	Response to Office Action due 12/29/99
BIS	970077905	07/28/97	China	Corresponds to United States registration 2229390	Pending
BIS	754929	04/10/97	India	Corresponds to United States registration 2226559	First official report from Indian Trademark Office expected 04/2002
BIS	754928	04/10/97	India	Corresponds to United States registration 2229390	First official report from Indian Trademark Office expected 04/2002
BIS	9-104830	04/08/97	Japan	Corresponds to United States registrations 2229390 and 2226559	Pending
BIS	291654	04/08/97	Mexico	Corresponds to United States registration 2229390	Pending
BIS and design	841588	04/08/97	Canada	Corresponds to United States registrations 2226557 and 2229392	Response to Office Action due 12/29/99
BIS and design	970077907	07/28/97	China	Corresponds to United States registration 2226557	Pending
BIS and design	504332	04/08/97	European Community	Corresponds to United States registrations 2226557 and 2229392	Approved for Registration
BIS and design	754931	04/10/97	India	Corresponds to United States registration 2226557	First official report from Indian Trademark Office expected 04/2002

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

MARK	SERIAL NO.	FILING DATE	COUNTRY	GOODS	STATUS
BIS and design	754930	04/10/97	India	Corresponds to United States registration 2229392	First official report from Indian Trademark Office expected 04/2002
BIS and design	9-104831	04/08/97	Japan	Corresponds to United States registrations 2226557 and 2229392	Pending
BIS PLUS logo		10/22/99	European Community	Corresponds to United States application 75/712953	Pending
BIS PLUS logo		11/02/99	Japan	Corresponds to United States application 75/712953	Pending
BIS PLUS logo	75/712953	05/24/99	United States	Print material in the field of anesthesia technology	Newly filed application
BISPECTRAL INDEX	791834	04/21/99	Australia	computer programs for use in monitoring and processing electroencephalograph signals	Pending
BISPECTRAL INDEX	841587	04/08/97	Canada	Corresponds to United States registrations 2226558 and 2229389	Response to Office Action due 01/10/2000
BISPECTRAL INDEX	754932	04/10/97	India	Corresponds to United States registration 2226558	First official report from Indian Trademark Office expected 04/2002
BISPECTRAL INDEX	754933	04/10/97	India	Corresponds to United States registration 2229389	First official report from Indian Trademark Office expected 04/2002
ZIPPER	633985	07/15/94	India	Corresponds to United States registration 2032419	First official report from Indian Trademark Office expected 01/2000

TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

MARK	REGIS. NO	REGIS. DATE	COUNTRY	GOODS	STATUS
ASPECT	1932423	11/07/95	United States	Electroencephalograph analysis instrument; namely a cerebral phenomena detector and diagnostic index generator used for a quantifying cerebral phenomena; electrodes for electroencephalograph	Section 8 Affidavit due 11/07/2001
BIS	731547	04/08/97	Australia	Corresponds to United States registrations 2229390 and 2226559	Renewal due 04/08/2007
BIS	1237474	01/07/99	China	Corresponds to United States registration 2226559	Renewal due 01/06/2009
BIS	506340	10/29/98	European Community	Corresponds to United States registrations 2229390 and 2226559	Renewal due 04/08/2007
BIS	559963	09/30/97	Mexico	Corresponds to United States registration 2226559	Renewal due 09/30/2007
BIS	428/51	03/08/98	Saudi Arabia	Corresponds to United States registration 2226559	Renewal due 11/18/2007
BIS	428/52	03/08/98	Saudi Arabia	Corresponds to United States registration 2229390	Renewal due 11/18/2007
BIS	2229390	03/02/99	United States	Computer programs for use in monitoring and processing electroencephalograph signals	Section 8 Affidavit due

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TRADEMARKS OWNED BY ASPECT MEDICAL SYSTEMS, INC.

as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>	<u>GOODS</u>	<u>STATUS</u>
					03/02/2005
BIS	2226559	02/23/99	United States	Electroencephalograph monitors and sensors	Section 8 Affidavit due 02/23/2005
BIS and design	731546	10/08/96	Australia	Corresponds to United States registrations 2226557 and 2229392	Renewal due 04/08/2007
BIS and design	1237475	01/07/99	China	Corresponds to United States registration 2229392	Renewal due 01/06/2009
BIS and design	556233	08/27/97	Mexico	Corresponds to United States registration 2226557	Renewal due 08/27/2007
BIS and design	558374	09/22/97	Mexico	Corresponds to United States registration 2229392	Renewal due 09/22/2007
BIS and design	428/53	04/09/97	Saudi Arabia	Corresponds to United States registration 2226557	Renewal due 11/18/2008
BIS and design	428/54	04/09/97	Saudi Arabia	Corresponds to United States registration 2226557	Renewal due 11/18/2007
BIS and design	2229392	03/02/99	United States	Electroencephalograph monitors and sensors	Section 8 Affidavit due 03/02/2005
BIS and design	2226557	02/23/99	United States	Computer programs for use in monitoring and processing	Section 8 Affidavit due

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as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>	<u>GOODS</u>	<u>STATUS</u>
				electroencephalograph signals	02/23/2005
BISPECTRAL INDEX	1229054	12/7/98	China	Corresponds to United States registration 2226558	Renewal due 12/06/2008
BISPECTRAL INDEX	1219345	10/28/98	China	Corresponds to United States registration 2229389	Renewal due 10/27/2008
BISPECTRAL INDEX	504233	04/08/97	European Community	Corresponds to United States registrations 2226558 and 2229389	Renewal due 04/08/2007
BISPECTRAL INDEX	4181898	04/28/98	Japan	Corresponds to United States registrations 2226558 and 2229389	Renewal due 08/28/2008
BISPECTRAL INDEX	599964	09/30/97	Mexico	Corresponds to United States registration 2226558	Renewal due 09/30/2007
BISPECTRAL INDEX	599965	09/30/97	Mexico	Corresponds to United States registration 2229389	Renewal due 09/30/2007
BISPECTRAL INDEX	428/50	03/08/98	Saudi Arabia	Corresponds to United States registration 2226558	Renewal due 05/18/2007
BISPECTRAL INDEX	2226558	02/23/99	United States	Computer programs for use in monitoring and processing electroencephalograph signals	Section 8 Affidavit due 02/23/2005
BISPECTRAL INDEX	2229389	03/02/99	United States	Electroencephalograph monitors and sensors	Section 8 Affidavit due

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as of November 1999

<u>MARK</u>	<u>REGIS. NO</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>	<u>GOODS</u>	<u>STATUS</u>
					03/02/2005
ZIPPREP	A633957	07/04/94	Australia	EEG and ECG electrodes and sensors	Renewal due 07/04/2001
ZIPPREP	555286	06/22/94	Benelux	EEG and ECG electrodes and sensors	Renewal due 06/22/2004
ZIPPREP	818036346	09/10/96	Brazil	EEG and ECG electrodes and sensors and all other goods in Class 10	Renewal due 09/10/2006
ZIPPREP	505106	12/4/98	Canada	EEG electrodes	Renewal due 12/04/2013
ZIPPREP	872161	09/21/96	China	EEG and ECG electrodes and sensors	Renewal due 09/20/2006
ZIPPREP	297853	12/3/98	European Community	Corresponds to United States registration 2032419	Renewal due 6/27/2006
ZIPPREP	94525823	06/22/94	France	Corresponds to United States registration 2032419	Renewal due 06/21/2004
ZIPPREP	2095913	05/09/95	Germany	Medical and veterinary instruments and apparatus; electro encephalographs and electro cardiographs as well as electrodes and sensors for use therewith	Renewal due 07/31/2004
ZIPPREP	3310703	05/23/97	Japan	EEG and ECG electrodes and sensors	Renewal due 05/23/2007

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as of November 1999

<u>MARK</u>	<u>REGIS. NO.</u>	<u>REGIS. DATE</u>	<u>COUNTRY</u>	<u>GOODS</u>	<u>STATUS</u>
ZIPPREP	501063	06/29/94	Mexico	Corresponds to United States registration 2032419	Renewal due 06/29/2004
ZIPPREP	332/43	02/20/95	Saudi Arabia	EEG and ECG electrodes and sensors	Renewal due 03/15/2004
ZIPPREP	1912152	07/05/95	Spain	EEG and ECG electrodes and sensors	Renewal due 07/05/2004
ZIPPREP	265621	03/31/95	Sweden	EEG and ECG electrodes and sensors	Renewal due 03/31/2005
ZIPPREP	1575989	06/21/94	United Kingdom	Medical apparatus and instruments; electroencephalographs and electrocardiographs; electrodes and sensors for electroencephalographs and electrocardiographs; parts and fittings for all the aforesaid goods	Renewal due 06/21/2001
ZIPPREP	2032419	01/21/97	United States	EEG electrodes	Declaration of Use due 01/21/2003

<u>Title</u>	<u>Registration Number</u>	<u>Registration Date</u>
BIS MONTAGE		submitted on 05/36/99

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BIS RANGE GUIDELINES	TX 4-900-007	12/04/98
BIS RANGE GUIDELINES AND USING BIS booklet		submitted on 09/08/99

INACTIVE TRADEMARKS

BISPECTRAL INDEX	731545	04/08/97	Australia	Corresponds to United States registrations 2226558 and 2229389	Abandoned
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