

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	SECURITY INTEREST
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CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
LUMEND, INC.		06/14/2004	CORPORATION: DELAWARE

RECEIVING PARTY DATA	
Name:	COMERICA BANK
Street Address:	2321 ROSECRANS AVE
Internal Address:	Suite 5000
City:	EL SEGUNDO
State/Country:	CALIFORNIA
Postal Code:	90245
Entity Type:	Michigan banking corporation:

PROPERTY NUMBERS Total: 7		
Property Type	Number	Word Mark
Serial Number:	78327100	SOLUTIONS FOR TOTAL OCCLUSIONS
Registration Number:	2394287	INNOVATIVE SOLUTIONS FOR TOTAL OCCLUSIONS
Registration Number:	2635732	SWITCHBACK
Registration Number:	2378118	FRONTRUNNER
Registration Number:	2360767	SUPERCROSS
Registration Number:	2358527	OUTBACK
Registration Number:	2392061	LUMEND

CORRESPONDENCE DATA	
Fax Number:	(858)677-1401
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-638-6717
Email:	eobrien@graycary.com
Correspondent Name:	Erin O'Brien
Address Line 1:	4365 Executive Drive
Address Line 2:	Suite 1100

CH \$190.00 78327100

Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:

12130,1090371-919800

NAME OF SUBMITTER:

Erin O'Brien

Total Attachments: 10

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (the "Agreement") is made as of June 14, 2004, by and between LUMEND, INC., a Delaware corporation ("Grantor"), and COMERICA BANK ("Secured Party").

RECITALS

A. Secured Party has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement dated as of May 1, 2002, as amended from time to time including, without limitation, by the First Amendment to Loan and Security Agreement dated as of June 14, 2004 (collectively, the "Loan Agreement"). All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B. Secured Party is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Secured Party a security interest in all of Grantor's right title, and interest in, to and under all of the Collateral whether presently existing or hereafter acquired

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future indebtedness, obligations and liabilities to Secured Party, Grantor hereby grants a security interest and mortgage to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under all of its intellectual property, including without limitation the following (all of which shall collectively be called the "Collateral"):

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(g) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(h) All amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(i) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Collateral, except for licenses granted by Grantor to its customers in the ordinary course of business;

(b) Except as set forth in the Schedule, Grantor's rights as a licensee of intellectual property do not give rise to more than five percent (5%) of its gross revenue in any given month, including without limitation revenue derived from the sale, licensing, rendering or disposition of any product or service;

(c) Performance of this Agreement does not conflict with or result in a breach of any agreement to which Grantor is party or by which Grantor is bound;

(d) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except to the extent permitted in the Loan Agreement;

(e) To its knowledge, each of the Patents is valid and enforceable, and no part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Collateral violates the rights of any third party;

(f) Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing any applications or registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks and the status of any outstanding applications or registrations. Grantor shall promptly advise Secured Party of any material change in the composition of the Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent or Copyright not specified in this Agreement;

(g) Other than any Trademarks, Patents and Copyrights which the Grantor reasonably determines to be obsolete or immaterial to its business and the Bank's Collateral, Grantor shall (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights (ii) use its best efforts to detect infringements of the Trademarks, Patents and Copyrights and promptly advise Secured Party in writing of material infringements detected and (iii) not allow any Trademarks, Patents or Copyrights to be abandoned, forfeited or dedicated to the public without the written consent of Secured Party, which shall not be unreasonably withheld;

(h) Grantor shall register or cause to be registered (to the extent not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as the case may be, those-registerable intellectual property rights now owned or hereafter developed or acquired by Grantor to the extent that Grantor, in its reasonable business judgment, deems it appropriate to so protect such-intellectual property rights.

(i) Grantor shall promptly give Secured Party written notice of any applications or registrations of intellectual property rights filed with the United States Patent and Trademark Office, including the date of such filing and the registration or application numbers, if any. Grantor shall (i) give Secured Party not less than 30 days prior written notice of the filing of any applications or registrations with the United States Copyright Office, including the title of such intellectual property rights to be registered, as such title will appear on such applications or registrations, and the date such applications or registrations will be filed, and (ii) prior to the filing of any such applications or registrations, shall execute such documents as Secured Party may reasonably request for Secured Party to maintain its perfection in such intellectual property rights to be registered by Grantor, and upon the request of Secured Party, shall file such documents simultaneously with the filing of any such applications or registrations. Upon filing any such applications or registrations with the United States Copyright Office, Grantor shall promptly provide Secured Party with (i) a copy of such applications or registrations, without the exhibits, if any, thereto, (ii) evidence of the filing of any documents requested by Secured Party to be filed for Secured Party to maintain the perfection and priority of its security interest in such intellectual property rights, and (iii) the date of such filing.

(j) Secured Party may audit the Collateral to confirm compliance with this Section, provided such audit may not occur more often than twice per year, unless an Event of Default has occurred and is continuing.

(k) This Agreement creates, and in the case of after acquired Collateral, this Agreement will create at the time Grantor first has rights in such after acquired Collateral, in favor of Secured Party a valid and perfected first priority security interest in the Collateral in the United States securing the payment and performance of the obligations evidenced by the Loan Documents;

(l) All information heretofore, herein or hereafter supplied to Secured Party by or on behalf of Grantor with respect to the Collateral is accurate and complete in all material respects;

(m) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Collateral acquired under such contracts; and

(n) Upon any executive officer of Grantor obtaining actual knowledge thereof, Grantor will promptly notify Secured Party in writing of any event that materially adversely affects the value of any Collateral, the ability of Grantor to dispose of any Collateral or the rights and remedies of Secured Party in relation thereto, including the levy of any legal process against any of the Collateral.

3. Secured Party's Rights. Secured Party shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this Agreement to take but which Grantor fails to take, after fifteen (15) days' notice to Grantor. Grantor shall reimburse and indemnify Secured Party for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this section 3.

4. Inspection Rights. Grantor hereby grants to Secured Party and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Grantor, any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior six-month period) that are sold utilizing any of the Collateral, and to inspect the products and quality control records relating thereto upon reasonable written notice to Grantor and as often as may be reasonably requested, provided such visits may not occur more often than twice per year, unless an Event of Default has occurred and is continuing.

5. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibit A, Exhibit B and Exhibit C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law and (iii) after the occurrence and during the continuance of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.

6. Events of Default. The occurrence of any of the following shall constitute an Event of Default under the Agreement:

(a) An Event of Default occurs under the Loan Documents; or

(b) Grantor fails to perform any obligation under the second sentence of Section 2(i) of this Agreement and, as to any such breach that is capable of cure, Grantor fails to cure such default five (5) days of the occurrence of such default, or Grantor breaches any other warranty or agreement made by Grantor in this Agreement and, as to any breach that is capable of cure, Grantor fails to cure such default within ten (10) days after Grantor receives notice thereof or any officer of Grantor becomes aware thereof; provided, however, that if the default cannot by its nature be cured within the ten (10) day period or cannot after diligent attempts by Grantor be cured within such ten (10) day period, and such default is likely to be cured within a reasonable time, then Grantor shall have an additional reasonable period (which shall not in any case exceed thirty (30) days) to attempt to cure such default, and within such reasonable time period the failure to have cured such default shall not be deemed an Event of Default (provided that no Credit Extensions will be required to be made during any such cure periods).

7. Remedies. Upon the occurrence and continuance of an Event of Default, Secured Party shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Collateral and any tangible property in which Secured Party has a security interest and to make it available to Secured Party at a place designated by Secured Party. Secured Party shall have a nonexclusive, royalty free license to use the Copyrights, Patents and Trademarks to the extent reasonably necessary to permit Secured Party to exercise its rights and remedies upon the occurrence and during the continuance of an Event of Default. Grantor will pay any expenses (including reasonable attorneys' fees) incurred by Secured Party in connection with the exercise of any of Secured Party's rights hereunder, including without limitation any expense incurred in disposing of the Collateral. All of Secured Party's rights and remedies with respect to the Collateral shall be cumulative.

8. Indemnity. Grantor agrees to defend, indemnify and hold harmless Secured Party and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Secured Party as a result of or in any way arising out of, following or consequential to transactions between Secured Party and Grantor, whether under this Agreement or otherwise (including without limitation reasonable attorneys' fees and reasonable expenses), except for losses arising from or out of Secured Party's gross negligence or willful misconduct.

9. Course of Dealing. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

10. Attorneys' Fees. If any action relating to this Agreement is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys' fees, costs and disbursements.

11. Amendments. This Agreement may be amended only by a written instrument signed by both parties hereto.

12. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

13. California Law and Jurisdiction; Jury Waiver. This Agreement shall be governed by the laws of the State of California, without regard for choice of law provisions. Grantor and Secured Party consent to the exclusive jurisdiction of any state or federal court located in Santa Clara County, California. GRANTOR AND SECURED PARTY EACH WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THE LOAN DOCUMENTS, THIS AGREEMENT, OR ANY OF THE TRANSACTIONS CONTEMPLATED HEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS.

14. Reference Provision.

If and only if the jury trial waiver set forth in Section 13 of this Agreement is invalidated for any reason by a court of law, statute or otherwise, the reference provisions set forth below shall be substituted in place of the jury trial waiver. So long as the jury trial waiver remains valid, the reference provisions set forth in this Section shall be inapplicable.

(a) Each controversy, dispute or claim (each, a "Claim") between the parties arising out of or relating to this Agreement, any security agreement executed by Borrower in favor of Bank, any note executed by Borrower in favor of Bank or any other document, instrument or agreement executed by Borrower with or in favor of Bank (collectively in this Section, the "Loan Documents"), other than (i) all matters in connection with nonjudicial foreclosure of security interests in real or personal property; or (ii) the appointment of a receiver or the exercise of other provisional remedies (any of which may be initiated pursuant to applicable law) that are not settled in writing within fifteen (15) days after the date on which a party subject to the Loan Documents gives written notice to all other parties that a Claim exists (the "Claim Date") shall be resolved by a reference proceeding in California in accordance with the provisions of Section 638 et seq. of the California Code of Civil Procedure, or their successor sections ("CCP"), which shall constitute the exclusive remedy for the resolution of any Claim concerning the Loan Documents, including whether such Claim is subject to the reference proceeding. Except as set forth in this section, the parties waive the right to initiate legal proceedings against each other concerning each such Claim. Venue for these proceedings shall be in the Superior Court in the County where the real property, if any, is located or in a County where venue is otherwise appropriate under state law (the "Court"). By mutual agreement, the parties shall select a retired Judge of the Court to serve as referee, and if they cannot so agree within fifteen (15) days after the Claim Date, the Presiding Judge of the Court (or his or her representative) shall promptly select the referee. A request for appointment of a referee may be heard on an ex parte or expedited basis. The referee shall be appointed to sit as a temporary judge, with all the powers for a temporary judge, as authorized by law, and upon selection should take and subscribe to the oath of office as provided for in Rule 244 of the California Rules of Court (or any subsequently enacted Rule). Each party shall have one peremptory challenge pursuant to CCP §170.6. Upon being selected, the referee shall (a) be requested to set the matter for a status and trial-setting conference within fifteen (15) days after the date of selection and (b) if practicable, try any and all issues of law or fact and report a statement of decision upon them within ninety (90) days of the date of selection. The referee will have power to expand or limit the amount of discovery a party may employ. Any decision rendered by the referee will be final, binding and conclusive, and judgment shall be entered pursuant to CCP §644 in any court in the State of California having jurisdiction. The parties shall complete all discovery no later than fifteen (15) days before the first trial date established by the referee. The referee may extend such period in the event of a party's refusal to provide requested discovery for any reason whatsoever, including, without limitation, legal objections raised to such discovery or unavailability of a witness due to absence or illness. No party shall be entitled to "priority" in conducting discovery. Either party may take depositions upon seven (7) days written notice, and shall respond to requests for production or inspection of documents within ten (10) days after service. All disputes relating to discovery which cannot be resolved by the parties shall be submitted to the referee whose decision shall be final and binding upon the parties. Pending appointment of the referee as provided herein, the Superior Court is empowered to issue temporary and/or provisional remedies, as appropriate.

(b) Except as expressly set forth herein, the referee shall determine the manner in which the reference proceeding is conducted including the time and place of all hearings, the order of presentation of evidence, and all other questions that arise with respect to the course of the reference proceeding. Except for trial, all proceedings and hearings conducted before the referee shall be conducted without a court reporter unless a party requests a court reporter. The party making such a request shall have the obligation to arrange for and pay for the court reporter. Subject to the referee's power to award costs to the prevailing party, the parties shall equally bear the costs of the court reporter at the trial and the referee's expenses.

(c) The referee shall determine all issues in accordance with existing California case and statutory law. California rules of evidence applicable to proceedings at law will apply to the reference proceeding. The referee shall be empowered to enter equitable as well as legal relief, to provide all temporary and/or provisional remedies and to enter equitable orders that shall be binding upon the parties. At the close of the reference proceeding, the referee shall issue a single judgment at disposing of all the claims of the parties that are the subject of the reference. The parties reserve the right (i) to contest or appeal from the final judgment or any appealable order or appealable judgment entered by the referee and (ii) to obtain findings of fact, conclusions of laws, a written statement of decision, and (iii) to move for a new trial or a different judgment, which new trial, if granted, shall be a reference proceeding under this provision.

(d) If the enabling legislation which provides for appointment of a referee is repealed (and no successor statute is enacted), any dispute between the parties that would otherwise be determined by the reference procedure herein described will be resolved and determined by arbitration conducted by a retired judge of the Court, in accordance with the California Arbitration Act §1280 through §1294.2 of the CCP as amended from time to time. The limitations with respect to discovery as set forth in this Section shall apply to any such arbitration proceeding.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

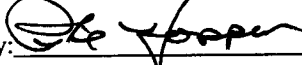
GRANTOR:

Address of Grantor:

400 Chesapeake Drive
Redwood City, CA 94063

Attn: Chief Financial Officer

LUMEND, INC.

By: 
Its: PRESIDENT, CFO

SECURED PARTY

Address of Secured Party:

2321 Rosecrans Ave., Suite 5000
El Segundo, CA 90245

Attn: Manager

COMERICA BANK


By: 
Its: V.P.

EXHIBIT A

Copyrights

<u>Description</u>	<u>Registration Number</u>	<u>Registration Date</u>
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EXHIBIT B

Patents

<u>Description</u>	<u>Patent/Application Number</u>	<u>Issue/Application Date</u>
Re-entry catheter	6,719,725	04/13/04
Method and apparatus for treating vascular occlusions	6,638,247	10/28/03
Methods and apparatus for treating vascular occlusions	6,599,304	07/29/03
Methods and apparatus for treating vascular occlusions	6,514,217	02/04/03
Vascular re-entry catheter	6,511,458	01/28/03
Apparatus for treating vascular occlusions	6,508,825	01/21/03
Method and apparatus for crossing intravascular occlusions	6,428,552	08/06/02
Catheter system for treating a vascular occlusion	6,398,798	01/04/02
Catheter apparatus for treating arterial occlusions	6,266,550	07/24/01
Guidewire and catheter with rotating and reciprocating symmetrical or asymmetrical distal tip	6,258,052	07/10/01
Catheter apparatus for guided transvascular treatment of arterial occlusions	6,241,667	06/05/01
Apparatus for crossing total occlusion in blood vessels	6,235,000	05/22/01
Methods and apparatus for crossing total occlusions in blood vessels	6,231,546	05/15/01
Methods and apparatus for crossing vascular occlusions	6,221,049	04/24/01
Methods and apparatus for treating vascular occlusions	6,217,549	04/17/01
Methods and apparatus for crossing vascular occlusions	6,217,527	04/17/01
Guidewire and catheter with rotating and reciprocating symmetrical or asymmetrical distal tip	6,183,432	02/06/01
Catheter apparatus for treating arterial occlusions	6,157,852	12/05/00
Method for treating vascular occlusion	6,120,516	09/19/00
Method and apparatus for the guided bypass of coronary occlusions	6,081,738	06/27/00
Intravascular catheter system for treating a vascular occlusion	6,010,449	01/04/00
Catheter system for treating a vascular occlusion	5,968,064	10/19/99
Manual actuator for a catheter system for treating a vascular occlusion	5,741,270	04/21/98

<u>Description</u>	<u>Patent/Application Number</u>	<u>Issue/Application Date</u>
Recanalization apparatus and devices for use therein and method	5,935,108	08/10/99
	10/647,904	
	09/728,780	
	10/823,416	
	10/074,546	
	09/981,526	
	10/010,410	
	60/477,628	
	60/478,404	

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
Solutions for Total Occlusions	78/327,100	11/12/03
Innovative Solutions for Total Occlusions	2,394,287	10/00/00
Switchback	2,635,732	10/15/02
Frontrunner	2,378,118	08/15/00
Supercross	2,360,767	06/20/00
Outback	2,358,527	06/13/00
Lumend	2,392,061	10/03/00