

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignors' Names previously recorded on Reel 009178 Frame 0887. Assignor(s) hereby confirms the The Spectranetics Corporation and Polymicro Technologies Inc.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>The Spectranetics Corporation</td><td>12/24/1997</td></tr><tr><td>Polymicro Technologies, Inc.</td><td>12/24/1997</td></tr></tbody></table>		Name	Execution Date	The Spectranetics Corporation	12/24/1997	Polymicro Technologies, Inc.	12/24/1997				
Name	Execution Date										
The Spectranetics Corporation	12/24/1997										
Polymicro Technologies, Inc.	12/24/1997										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Silicon Valley Bank</td></tr><tr><td>Street Address:</td><td>3003 Tasman Drive</td></tr><tr><td>City:</td><td>Santa Clara</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95054</td></tr></table>		Name:	Silicon Valley Bank	Street Address:	3003 Tasman Drive	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054
Name:	Silicon Valley Bank										
Street Address:	3003 Tasman Drive										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95054										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>5514128</td></tr></tbody></table>		Property Type	Number	Patent Number:	5514128						
Property Type	Number										
Patent Number:	5514128										
CORRESPONDENCE DATA											
Fax Number: (719)448-5922 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 719-448-5947											
Email: Patentcoloradospring@hoganlovells.com											
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Address Line 2: 1200 17th Street, Suite 1500											
Address Line 4: Denver, COLORADO 80202											
ATTORNEY DOCKET NUMBER:	026484-004210US										
NAME OF SUBMITTER:	Scott J. Hawranek										
Total Attachments: 13											

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PATENT
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

MAY 5-11-98

THE SPECTRANETICS CORPORATION
AND POLYMICRO TECHNOLOGIESAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

☐ Assignment☐ Merger☒ Security Agreement☐ Change of Name☐ Other

Execution Date: Dec. 24, 1997

2. Name and address of receiving party(ies)

Name: SILICON VALLEY BANK

Internal Address: LOAN DOC. GROUP

NC 816

Street Address: 3003 TASMAN DRIVE

City: SANTA CLARA State: CA ZIP: 95054

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

SEE SCHEDULE ATTACHED TO

B. Patent No.(s)

EXHIBIT "B" ATTACHED HERETO.

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: SILICON VALLEY BANK

Internal Address: LOAN DOC. GROUP

NC#816

Street Address: 3003 TASMAN DRIVE

City: SANTA CLARA State: CA ZIP: 95054

6. Total number of applications and patents involved:

41

760.00 - PAID
7. Total fee (37 CFR 3.41).....\$880.00 - BALANCE
1,640.00 - TOTAL☒ Enclosed - CHECK NO. 71624 For the Balance☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.

Michelle Giannini

Name of Person Signing

Signature

4-30-98

Date

Total number of pages including cover sheet, attachments and documents

REEL: 9178 FRAME: 0887

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02-26-1998

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks

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See original documents or copy thereof.

1. Name of conveying party(ies):

THE SPECTRANETICS CORPORATION
POLYMICRO TECHNOLOGIES

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

3. Nature of conveyance:

☐ Assignment

☐ Merger

☒ Security Agreement

☐ Change of Name

☐ Other

Execution Date: December 24, 1997

2. Name and address of receiving party(ies)

Name: SILICON VALLEY BANK

Internal Address: LDG / NC816

Street Address: 3003 TASMAN DRIVE

City: SANTA CLARA State: CA ZIP: 95054

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

SEE EXHIBIT B ATTACHED HERETO.

B. Patent No.(s)

SEE EXHIBIT B ATTACHED HERETO.

Additional numbers attached? ☐ Yes ☐ No

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

Name: SILICON VALLEY BANK

Internal Address: LDG / NC816

Street Address: 3003 TASMAN DRIVE

City: SANTA CLARA State: CA ZIP: 95054

6. Total number of applications and patents involved: 18

7. Total fee (37 CFR 3.41).....\$ 760

☐ Enclosed CHECK NO. 7150

☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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.

MICHELLE GIANNINI

Name of Person Signing

Signature

PATENT

Jan 14, 1998

Date

Total number of pages including cover sheet, attachments, and document: 1

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PATENT

REEL: 026085 FRAME: 0835

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of December 24, 1997, by and among SILICON VALLEY BANK, a California-chartered bank ("Bank"), with its principal place of business at 3003 Tasman Drive, Santa Clara, CA 95054 and with a loan production office located at 4430 Arapahoe Avenue, Suite 225, Boulder, Colorado 80303, The Spectranetics Corporation, a Delaware corporation with its principal place of business at 96 Talamine Court, Colorado Springs, Colorado 80907 ("Spectranetics"), and Polymicro Technologies, Inc., a California corporation with its principal place of business at 18019 North 25 Avenue, Phoenix, Arizona 85023-1200 ("Polymicro"). Spectranetics and Polymicro shall be referred to collectively in this Agreement as "Grantors."

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantors (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and among Bank and Grantors 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). Bank is willing to make the Loans to Grantors, but only upon the condition, among others, that Grantors shall grant to Bank a security interest in certain Copyrights, Trademarks, and Patents to secure the obligations of Grantors under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantors have granted to Bank a security interest in all of Grantors' 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, each Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement, each 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 occurrence of an Event of Default under the Loan Agreement shall be an Event of Default hereunder. Upon the occurrence of an Event of Default hereunder, Bank shall have the right to exercise the rights and remedies of Bank contained herein, 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.

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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.

Address of Grantor:

96 Talamine Court
Colorado Springs, Colorado 80907

Attn: James P. McCluskey

GRANTOR:

The Spectranetics Corporation

By: 

Title: Chief Financial Officer

Address of Grantor:

18019 North 25 Avenue
Phoenix, Arizona 85023-1200

Attn: Gary W. Nelson

GRANTOR:

Polymicro Technologies, Inc.

By: 

Title: Vice President, General Manager

Address of Bank:

4430 Arapahoe Avenue, Suite 225
Boulder, Colorado 80303

Attn: Mr. Andrew Enroth

BANK:

SILICON VALLEY BANK

By: 

Title: AVP

SCHEDULE ATTACHED TO EXHIBIT "B"

SPECTRANETICS PATENTS APPLICATIONS

TITLE/DESCRIPTION	FILING DATE	SERIAL NO.	PATENT NO.
Catheter for Delivery of Electric Energy	6/12/97	08/873,753	
Variable Stiffnes Catheter	2/3/97	08/794,341	
Catheter for Delivery of Electrical Energy	6/12/96	08/662,799	
Fiber Optic Guide Wire & Support Catheter thereof	10/4/95	08/539,079	5,643,251
Fiber Optic Catheter w/ Twistable Tip	11/3/94	08/335,955	5,429,604
Fiber Optic Guide Wire & Support Catheter thereof	4/8/94	08/225,061	5,514,128
Preionizer for Laser Assembly	3/31/94	08/221,357	5,438,587
Halogen Compatible Laser Head	3/3/94	08/220,969	5,412,682
Linear Scan Method & System for Energizing an Optical Fiber Bundle	3/2/94	08/205,143	5,400,428
Tissue Ablating Device having Deflectable Ablation Area	12/30/93	08/177,095	5,484,433
Radiopaque Tip Marker for Alignment of Catheter w/in	12/13/93	08/165,300	5,429,617
Optical Catheter w/ Stranded Fibers	9/20/93	08/124,383	5,415,653
Fiberoptic Catheter w/ Shortened Guidewire Lumen	9/14/93	08/120,385	5,456,680
Catheter Guiding & Positioning Method	10/2/91	07/769/969	5,179,961
Catheter Building & Positioning Method	4/13/89	07/337,475	5,054,500
Dilation Catheter and Method	2/3/86	06/825,157	4,834,093
Apparatus & Method for Soft Focusing Energy	5/3/93	08/055,348	5,315,614
Turn Limiter for Catheter w/ Twistable Tip	3/12/93	08/031,338	5,352,197
Fiber Optic Catheter w/ Twistable Tip	3/12/93	08/031,391	
Excimer Laser Angioplasty System	12/15/92	07/990,514	
Fiber Optic Guidewire	8/18/92	07/930,934	
Polarizing Device w/ Optically Contacted Thin Film	7/2/92	07/907,893	5,339,441
Aparatus & Method for Optically controlling the output	7/2/92	07/909,054	5,383,199
Fiberoptic Catheter	6/18/92	07/900,499	5,267,993
Mount for Optical Fibers	6/16/92	07/899,470	5,321,783
Linear Scan Method & System for Energizing an Optical Fiber Bundle	5/13/92	07/882,597	
Two-Piece Tip for Fiber Optic Catheter	3/25/92	07/857,458	5,263,952

CONTINUED SCHEDULE ATTACHED TO SCHEDULE "B"

TITLE/DESCRIPTION	FILING DATE	SERIAL NO.	PATENT NO.
A Laser Catheter w/ Spaced Optical Fibers	6/11/91	07/713,457	5,250,045
Guidance & Delivery System for High-Energy Pulsed Laser Light	2/19/91	07/657,157	5,470,330
Guidance & Delivery System for High-Energy Pulsed Laser Light	10/3/90	07/595,485	5,188,632
Fiberoptic Coupler	1/12/90	01/468,837	5,157,750
Meniscus Lens for Coupling and Excimer Beam into and Optical Fiber	10/27/89	07/427,476	4,998,794
Unlubricated Bearing for Gas Lasers	11/1/89	07/429,978	4,975,925
Fiberoptic Coupler	8/4/88	07/228,278	4,919,508
Laser Synchronizer	7/20/88	07/222,082	
Gas Bearings for Gas Lasers	5/26/88	07/301,870	4,899,363
Rotating Fiberoptic Catheter Assembly	10/23/87	07/111,645	4,844,062
Gas Bearings for Gas Lasers	7/23/87	07/076,906	
Guidance System	5/19/87	07/051,382	4,830,460
Delivery System for High-Energy Pulsed UV Light	5/6/86	06/860,241	4,799,754
Delivery System for High-Energy Pulsed UV Light	9/25/85	06/779,844	4,732,488

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PATENT
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PATENT
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