## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7301726

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN B. SIMPSON	06/08/2012
HIMANSHU N. PATEL	06/04/2012
MICHAEL ZUNG	04/30/2012
CHARLES W. MCNALL	04/30/2012
PRIYANSHU GUPTA	04/30/2012
MAEGAN K. SPENCER	04/30/2012
CHRISTOPHER B. WHITE	05/02/2012
DENNIS W. JACKSON	05/01/2012
JOHN F. BLACK	05/28/2012

### **RECEIVING PARTY DATA**

Name:	AVINGER, INC.	
Street Address:	400 CHESAPEAKE DRIVE	
City:	REDWOOD CITY	
State/Country:	CALIFORNIA	
Postal Code:	94063	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17449867

#### **CORRESPONDENCE DATA**

**Fax Number:** (650)212-7562

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 6502121700

**Email:** info@shayglenn.com,lisa@shayglenn.com

Correspondent Name: SHAY GLENN LLP
Address Line 1: 2929 CAMPUS DRIVE

Address Line 2: SUITE 225

Address Line 4: SAN MATEO, CALIFORNIA 94403

ATTORNEY DOCKET NUMBER:	11041-713.302
NAME OF SUBMITTER:	LISA RODRIQUEZ

507254805 PATENT REEL: 059743 FRAME: 0119

SIGNATURE:	/Richard D. Shoop/	
DATE SIGNED:	04/27/2022	
Total Attachments: 11		
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PATENT REEL: 059743 FRAME: 0120

## **SG DOCKET NO. 11041-713.302**

U.S. DEPARTMENT OF COMMERCE

# RECORDATION FORM COVER SHEET **PATENTS ONLY**

PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT ORIGINAL DOCUMENTS OR COPY THEREOF.	AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED
Name of conveying party(ies):	Name and address of receiving party(ies):
(1) John B. SIMPSON       (06/08/2012)         (2) Himanshu N. PATEL       (06/04/2012)         (3) Michael ZUNG       (04/30/2012)         (4) Charles W. MCNALL       (04/30/2012)         (5) Priyanshu GUPTA       (04/30/2012)         (6) Maegan K. SPENCER       (04/30/2012)         (7) Christopher B. WHITE       (05/02/2012)         (8) Dennis W. JACKSON       (05/01/2012)         (9) John F. BLACK       (05/28/2012)	Name: Avinger, Inc. 400 Chesapeake Drive Redwood City, CA 94063
Additional name(s) of conveying party(ies) attached?  Yes	No
3. Nature of Conveyance:	Name and address of receiving party(ies):
Assignment Merger	Name:
Security Agreement Change of Name	Street Address:
Other	City: State: Zip:
	Country: 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	e execution date of the application is:
A. Patent Application No.(s) – 17/449,867	B. Patent No.(s)
Title: OCCLUSION-CROSSING DEVICES, IMAGING, AND ATHERECTOMY DEVICES	
Additional number	bers attached? Yes No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:
Richard D. Shoop	
Shay Glenn LLP 2929 Campus Drive, Suite 225	
San Mateo, CA 94403	7. Total fee (37 CFR 1.21(h)(1)): \$0.00
	A check is enclosed that includes the total fee.  None required
DO NOT USE T	HIS SPACE
8. Statement and signature.	
To the best of my knowledge and belief, the foregoing information original document.	on is true and correct and any attached copy is a true copy of the
Richard D. Shoop, Reg. No. 45,763  Name of Person Signing	/Richard D. Shoop/ April 27, 2022 Signature Date
Total number of pages including cover sheet, attachments, and document	PATENT

REEL: 059743 FRAME: 0121

**Docket Number:** 

11041-713.200

This Assignment of Patent Application is between: John B. Simpson of Woodside, CA; Himanshu N. Patel of San Jose, CA; Michael Zung of San Carlos, CA; Charles W. McNall of Belmont, CA; Priyanshu Gupta of Palo Alto, CA; Maegan K. Spencer of Menlo Park, CA; Christopher B. White of San Jose, CA; Dennis W. Jackson of San Francisco, CA; and John F. Black of San Mateo, CA, (hereinafter referred to as "Inventor") and Avinger, Inc., a corporation of the State of Delaware, having a place of business at 400 Chesapeake Drive, Redwood City, CA, 94063, (hereinafter termed "Assignee").

WHEREAS Inventor has invented certain new and useful improvements in:

## "OCCLUSION-CROSSING DEVICES, IMAGING, AND ATHERECTOMY DEVICES"

for which an application for the United States Patent was filed on March 28, 2012, Application No. 13/433,049.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

- 1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention: (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Docket Number:

11041-713.200

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

Date	John B. Simpson
Date	Himanshu N. Patel
Date	Michael Zung
Date	Charles W. McNall
Date	Priyanshu Gupta
Date	Maegan K. Spencer
Date	Christopher B. White
Date	Dennis W. Jackson
Date	John F. Black

Docket Number:

11041-713.200

This Assignment of Patent Application is between: John B. Simpson of Woodside, CA; Himanshu N. Patel of San Jose, CA; Michael Zung of San Carlos, CA; Charles W. McNall of Belmont, CA; Priyanshu Gupta of Palo Alto, CA; Maegan K. Spencer of Menlo Park, CA; Christopher B. White of San Jose, CA; Dennis W. Jackson of San Francisco, CA; and John F. Black of San Mateo, CA, (hereinafter referred to as "Inventor") and Avinger, Inc., a corporation of the State of Delaware, having a place of business at 400 Chesapeake Drive, Redwood City, CA, 94063, (hereinafter termed "Assignee").

WHEREAS Inventor has invented certain new and useful improvements in:

## "OCCLUSION-CROSSING DEVICES, IMAGING, AND ATHERECTOMY DEVICES"

for which an application for the United States Patent was filed on March 28, 2012, Application No. 13/433,049.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

- 1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention: (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Docket Number:

11041-713.200

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

Date	John B. Simpson
6/4/2012 Date	Himanshu N. Patel
Date	Michael Zung
Date	Charles W. McNall
Date	Priyanshu Gupta
Date	Maegan K. Spencer
Date	Christopher B. White
Date	Dennis W. Jackson
Date	John F. Black

**Docket Number:** 

11041-713.200

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NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

- 1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention: (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
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**Docket Number:** 

11041-713.200

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

Date	John B. Simpson
Date	Himanshu N. Patel
30APL 2012 Date	Michael Zung
30 APR 2012 Date	Chelles W. McNall
4/30/2012_ Date	frigus Cing Priyanshu Gupta
4/30/2012 Date	Maegan K. Spencer
Date	Christopher B. White
C May 2012 Date	Dennis W. Jackson
Date	John F. Black

**Docket Number:** 

11041-713.200

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- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

ASSIGNMENT OF PATENT APPLICATION	Docket Number: 11041-713.200
IN WITNESS WHEREOF, said Inventor has ex	xecuted and delivered this instrument to said Assignee
ate	John B. Simpson
rate	Himanshu N. Patel
Pate	Michael Zung
Date	Charles W. McNail
Date	Priyanshu Gupta
Pate 2/2012 Pate	Maegan K. Spencer Christopher B. White
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Date	John F. Black

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- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

\$ 5/28/12

ASSIGNMENT OF PATENT APPLICATION	Docket Number: 11041-713.200
IN WITNESS WHEREOF, said Inventor has ex-	ecuted and delivered this instrument to said Assignee:
Date	John B. Simpson
Date	Himanshu N. Patel
Date	Michael Zung
Date	Charles W. McNall
Date	Priyanshu Gupta
Date .	Maegan K. Spencer
Date	Christopher B. White
Date	Dennis W. Jackson
5/28/12 Date	John F. Black