

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5107981

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VAHID SOTOUDEH	10/14/2009
RECEIVING PARTY DATA		
Name:	INTELLIGENT FIBER OPTIC SYSTEMS CORPORATION	
Street Address:	2363 CALLE DEL MUNDO	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14147486
CORRESPONDENCE DATA		
Fax Number:	(650)494-3835	
<i>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.</i>		
Phone:	6506195270	
Email:	jay@file-ee-patents.com	
Correspondent Name:	JAY A. CHESAVAGE	
Address Line 1:	3833 MIDDLEFIELD RD.	
Address Line 4:	PALO ALTO, CALIFORNIA 94303	
ATTORNEY DOCKET NUMBER:	IFOS_STANFORD_NEEDLE_DIV	
NAME OF SUBMITTER:	JAY A. CHESAVAGE	
SIGNATURE:	/JAY A. CHESAVAGE/	
DATE SIGNED:	08/24/2018	
Total Attachments: 8		
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PATENT

REEL: 046689 FRAME: 0646

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Yong-Lae Park
- 2) Richard James Black
- 3) Behzad Moslehi
- 4) Mark Cutkosky
- 5) Santhi Elayaperumal
- 6) Bruce Daniel
- 7) Alan Yeung
- 8) Vahid Sotoudeh

(hereinafter termed "Inventor"), resident of

- 1) Stanford, CA
County of Santa Clara
State of California
- 2) Menlo Park, CA
County of San Mateo
State of California
- 3) Los Altos, CA
County of Santa Clara
State of California
- 4) Palo Alto, CA
County of Santa Clara
State of California
- 5) Stanford, CA
County of Santa Clara
State of California
- 6) Stanford, CA
County of Santa Clara
State of California
- 7) Stanford, CA
County of Santa Clara
State of California
- 8) Los Altos, CA
County of Santa Clara
State of California

Has invented certain new and useful improvements in

"Steerable Shape Sensing Biopsy Needle and Catheter" s/n 14/147,486 (div of 12/562,855)

and has executed concurrently herewith an application for a United States patent disclosing and identifying the invention; and

WHEREAS, "Intelligent Fiber Optic Systems Corporation", a corporation of the state of California, having a place of business at

2363 Calle Del Mundo
Santa Clara, Ca. 95054

(hereinafter termed "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 division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. Said Inventor hereby jointly and severally covenant and agree 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 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 of 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 opposition proceedings, cancellation proceedings, priority contests, 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 representative, and shall be binding upon said Inventor, their respective heirs, legal representatives and assigns.

4. Said Inventor hereby jointly and severally warrants and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

15th day of OCTOBER, 2009

(1) *Yong Lae Park*
(Inventor)

State of CALIFORNIA

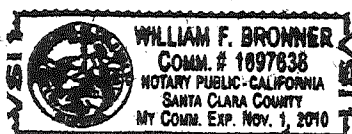
County of SANTA CLARA

On this 15 day of OCTOBER, in the year 2009 before me William F. Bronner
the undersigned Notary Public, personally appeared

(1) YONG LAE PARK

Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.



William F. Bronner
(Notary Public)

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

14th day of OCTOBER, 2009

(2) *RICHARD JAMES BLACK*
(Inventor)

State of CALIFORNIA

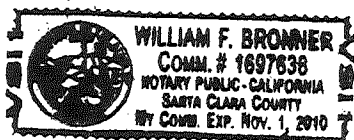
County of SANTA CLARA

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the undersigned Notary Public, personally appeared

(2) RICHARD JAMES BLACK

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William F. Bronner
(Notary Public)

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

14th day of October, 2009

(3) Behzad Moslehi

(Inventor)

State of CALIFORNIA Behzad Moslehi

County of SANTA CLARA

On this 14 day of OCTOBER, in the year 2009, before me William F. Bronner
the undersigned Notary Public, personally appeared

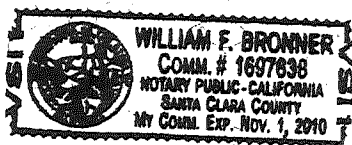
(3) BENZAD MOSLEHI

___ Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.

William F. Bronner

(Notary Public)



IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

15 day of October, 2009

(4)

Mark R. Cutkosky
(Inventor)
MARK R. CUTKOSKY

State of CALIFORNIA

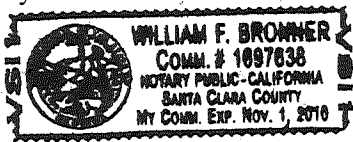
County of SANTA CLARA

On this 15 day of OCTOBER, in the year 2009, before me William F. Bronner
the undersigned Notary Public, personally appeared

(4) MARK CUTKOSKY

Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.



William F. Bronner
(Notary Public)

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

15th day of October, 2009

(5)

Santhi Elayaperumal
(Inventor)

State of CALIFORNIA Santhi Elayaperumal

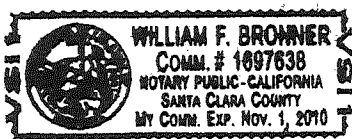
County of SANTA CLARA

On this 15 day of OCTOBER, in the year 2009, before me William F. Bronner
the undersigned Notary Public, personally appeared

(5) SANTHI ELAYAPERUMAL

Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.



William F. Bronner
(Notary Public)

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

14 day of October, 2009 

(6) BRUCE L. DANIEL
(Inventor)

State of CALIFORNIA

County of SANTA CLARA

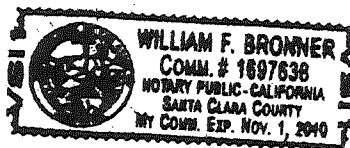
On this 14 day of OCTOBER, in the year 2009, before me the undersigned Notary Public, William F. Bronner
personally appeared

(6) BRUCE L. DANIEL

Proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.

William F. Bronner
(Notary Public)



IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

15 day of Oct, 2009

(7)

(Inventor)

State of CALIFORNIA

County of SANTA CLARA

ALAN YEUNG

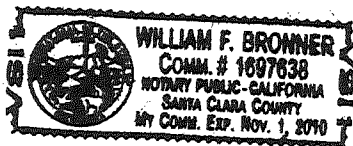
On this 15 day of OCTOBER, in the year 2009, before me William F. Bronner
the undersigned Notary Public, personally appeared

(7) ALAN YEUNG

Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of California that the foregoing paragraph is true and correct.
Witness my hand and official seal.

William F. Bronner
(Notary Public)



IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

th
14 day of OCT, 2009

(8) Vahid Sotoudeh
(Inventor)

State of California

County of Santa Clara

On this 14 day of OCTOBER, in the year 2009, before me William F. Bronner
the undersigned Notary Public, personally appeared

(8) VAHID SOTOUDEH

Proved to me on the basis of satisfactory evidence to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity and that by his signature on the instrument the person/s or the entity upon behalf of which the person acted, executed the instrument.

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William F. Bronner
(Notary Public)

