504714456 01/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4761178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FEREYDOUN FARIDIAN	11/16/2017

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:	14034767

CORRESPONDENCE DATA

Fax Number: (650)494-3835

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: 650-619-5270

Email: PATENTS@CHESAVAGE.COM

Correspondent Name: JAY CHESAVAGE
Address Line 1: 3833 MIDDLEFIELD

Address Line 4: PALO ALTO, CALIFORNIA 94303

NAME OF SUBMITTER:	JAY A. CHESAVAGE
SIGNATURE:	/Jay A. Chesavage/
DATE SIGNED:	01/04/2018

Total Attachments: 6

source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page1.tif source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page2.tif source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page3.tif source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page4.tif source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page5.tif source=ifos_biopsy_needle_assn_ifos_inv_ferey_scan#page6.tif

PATENT 504714456 REEL: 044539 FRAME: 0580

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Richard J. BLACK
- 2) Joannes M. COSTA
- 3) Behzad MOSLEHI
- 4) Fereydoun FARIDIAN
- 5) Levy OBLEA
- 6) Vahid SOTOUDEH

(hereinafter termed "Inventor"), resident of

- 1) Menlo Park, CA County of San Mateo State of California
- Rancho La Costa, CA County of San Diego State of California
- 3) Los Altos, CA County of Santa Clara State of California
- 4) Atherton, CA County of San Mateo State of California
- 5) Union City, CA County of Alameda State of California
- 6) Los Altos, CA County of Santa Clara State of California

Has invented certain new and useful improvements in

"Steerable Biopsy Needle" filed 9/24/2013 s/n 14/034,767

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.

PATENT REEL: 044539 FRAME: 0581

1

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 WHERE	EOF, the said inventor has executed and delivered this instrument to said Assignee th
day of	
	(1)(Inventor Signature)
State of	(Inventor Signature)
County of	
On	before me,
personally appeared	(1) Printed Inventor Name
subscribed to the within his/her/their authorized	he basis of satisfactory evidence to be the person(s) whose name(s) is/are in instrument and acknowledged to me that he/she/they executed the same in a capacity(ies), and that by his/her/their signature(s) on the instrument the upon behalf of which the person(s) acted, executed the instrument.
I certify under PENAL paragraph is true and co WITNESS my hand an	
	(Notary Public)
day of	(2)(Inventor Signature)
State of	(Inventor Signature)
County of	
On	before me,
personally appeared	,
	(2) Printed Inventor Name
subscribed to the within his/her/their authorized	he basis of satisfactory evidence to be the person(s) whose name(s) is/are in instrument and acknowledged to me that he/she/they executed the same in a capacity(ies), and that by his/her/their signature(s) on the instrument the upon behalf of which the person(s) acted, executed the instrument.
I certify under PENAL paragraph is true and co WITNESS my hand an	
	(Notary Public)

		od this instrument to said Assignee this
day of	× × × × × × × × × × × × × × × × × × ×	
(3),		
nate of	(Inventor Signature)	
County of		
On	before nsc,	
ersonally appeared	(3) Printes Inventor Name	
	(3) Printed Inventor Name	
ubscribed to the within instru is/her/their authorized capaci	s of satisfactory evidence to be the person iment and acknowledged to me that he/sh ity(ics), and that by his/he/sheir signatur schalf of which the person(s) acted, exect	holibey executed the same in re(s) on the instrument the
centify under PENALTY OF bragingsh is true and correct. VITNESS my hand and offici	PERIORY under the laws of the State of isl seal.	f California that the foregoing
		(Notary Public)
Sate of	- (livestor Signature)	
	before me,	
xersonally appeared	(4) Printed Inventor Name	
who proved to me on the basic subscribed to the within instru his/her/their authorized capac	s of satisfactory evidence to be the perace ument and acknowledged to me that he/slity(ies), and that by ha/her/their signatur whalf of which the person(s) acted, exect	bethey executed the same in rels) on the instrument the
verson(s), or the entity upon t		
centify under PENALITY OF	FERJURY under the laws of the State of	of California that the foregoing
censify under PENALTY OF wragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	
cenify under PENALTY OF suragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	of California that the foregoing <u>OCAL SEL CA</u> (Notary Public) ACK (3+
cenify under PENALTY OF suragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	ealesele (Notary Public) Par 194
censify under PENALTY OF saragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	OCAL SICH CA (Motory Public) ACK : 134 11 16:17 ACC
censify under PENALTY OF wragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	ease see of (Notary Public) Part 191
censify under PENALTY OF saragraph is true and correct.	turi ja and juliu anne area. I i se diversa mateuri, a sull'un sull'anne a di diserca. Se Sull'union	ease see con (Notary Public) for 194 Notary Public) for 194 ALC
	ial scal.	ease see con (Notary Public) for 194 Notary Public) for 194 ALC

PATENT REEL: 044539 FRAME: 0584

	ertificate verifies only the identity of the individual who signed the finot the triathfulness, accuracy, or validity of that document.
State of California	
County of Los Angeles)
On <u>November 16, 2017</u> before me, _ <i>Chile</i>	Asha Lenelle Carrier Notary Public Here Insert Name and Title of the Officer
oersonally appeared	Fereydoun Faridian Name(s) of Signer(s)
subscribed to the within instrument and ac	ictory evidence to be the person(s) whose name(s) is/oft knowledged to me that he/ofie/they executed the same in I by his/he/r/their signature(s) on the instrument the persorys) n(s) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.)
ASHA LENELLE CANNER Commission # 2115006 Notary Public - Castornia Los Angeles County	WITNESS my hand and official seed. Signature Signature of Notary Public
Place Notary Seal Above	OPTOMAL
	g this information can deter alteration of the document or of this form to an unintended document.
Description of Attached Document	X Document Date: 11/16/2017
Title or Type of Document:	
Title or Type of Document: Number of Pages: X Signer(s) Othe Capacity(les) Claimed by Signer(s) Signer's Name <u>Fareydoun Faridiar</u> Corporate Officer — Title(s): CPartner — Clumited Cl General Circlividual Cl Attorney in Fact Circlividual Cl Guardian or Conserval Other: Signer is Representing:	Signer's Name: X Corporate Officer — Title(s): Destiner — D'Umited D'General D'Individual D'Attorney in Fact tor D'Trustee D'Guardian or Conservator

day of	
	(5)(Inventor Signature)
State of	
County of	_
On	before me,
personally appeared	(5) Printed Inventor Name
	(5) Printed Inventor Name
his/her/their authorized caperson(s), or the entity up	
WITNESS my hand and C	
	(Notary Public)
day of State of	(6)(Inventor Signature)
County of	
On	before me,
personally appeared	(6) Printed Inventor Name
	(6) Printed Inventor Name
subscribed to the within in his/her/their authorized ca	basis of satisfactory evidence to be the person(s) whose name(s) is/are astrument and acknowledged to me that he/she/they executed the same in apacity(ies), and that by his/her/their signature(s) on the instrument the on behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY paragraph is true and corre WITNESS my hand and c	
	(Notary Public)

5 **PATENT REEL: 044539 FRAME: 0586**

RECORDED: 01/04/2018