

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5107992

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SEOK CHANG RYU	06/25/2014
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		
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<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>		
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Correspondent Name:	JAY A. CHESAVAGE	
Address Line 1:	3833 MIDDLEFIELD RD.	
Address Line 4:	PALO ALTO, CALIFORNIA 94303	
ATTORNEY DOCKET NUMBER:	IFOS BIOPSY NEEDLE	
NAME OF SUBMITTER:	JAY A. CHESAVAGE	
SIGNATURE:	/Jay A. Chesavage/	
DATE SIGNED:	08/24/2018	
Total Attachments: 2		
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ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

1) Seok Chang RYU

(hereinafter termed "Inventor"), resident of

1) Stanford, 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.

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

25 day of June, 2014

(1) [Signature]

(Inventor Signature)

State of MASSACHUSETTS

County of SUFFOLK

On June 25th, 2014 before me, A-FETTAH HOUNAINE

personally appeared SEOLK Chang Ryu
(1) Printed Inventor Name

who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(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.
WITNESS my hand and official seal.

[Signature]
(Notary Public)

